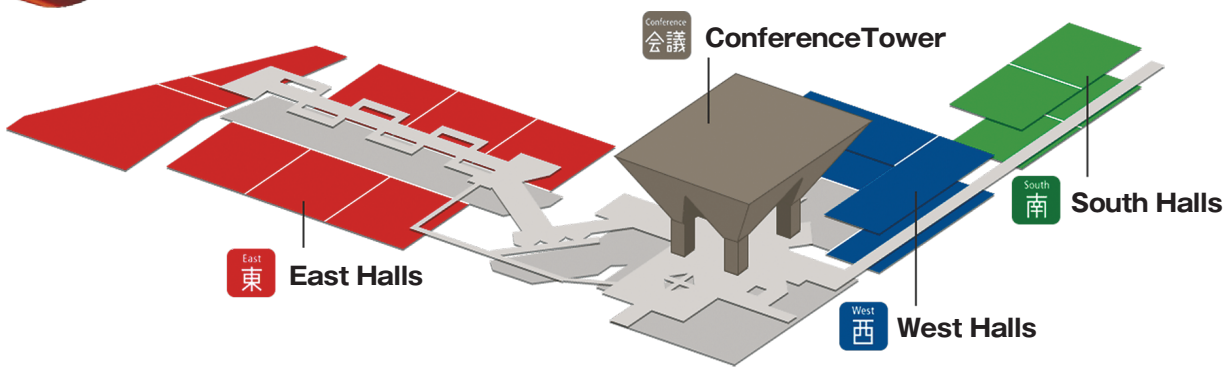
Official JIMTOF2024 The 32nd JAPAN INTERNATIONAL MACHINE TOOL FAIR

MAP & DAILY NEWS



11.9 SAT
DAY 5
JIMTOF2024 Official

TOPIC

Exhibitors in the East Hall, Remarkable Machine Tools Demonstrating New Value

At JIMTOF, you can see machine tool manufacturers taking on new challenges in developing innovative technologies and exploring undiscovered markets. Among them, we will pick out noteworthy exhibits, which are challenging to create and pursue "new value," displayed in the East Hall.Shibaura Machine' s BTH-150.R35, which is the industry's largest horizontal boring and milling machine, is eye-catching. "We developed this machine to meet demand from shipbuilding and wind power generators," the company said. The Y-axis travel has been increased to 3.5 meters, more than 1.5 times that of previous models, making it possible to machine large workpieces.

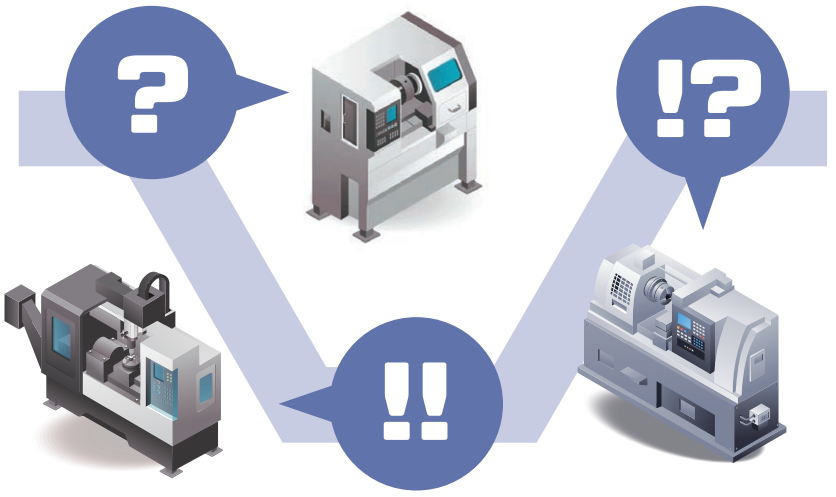


Continue to P32

ENGLISH ver.
We deliver the latest content daily

Enjoy Making Things! You Can Find Jobs of the Future Here

Look for it.



JIMTOF2024
November 5-10, 2024 (Tue-Sun)
Tokyo Big Sight ▸ East Hall 8 10:00-18:00*
▸ South Hall 1 9:00-17:00*
*Nov. 10th until 4:00 p.m.
Access our JIMTOF 2024 website here
MX MACHINING TRANSFORMATION
DMG MORI MX
MACHINING TRANSFORMATION
Also to be exhibited
TAIYO KOKI
TECHNIUM
Magnescale
DMG MORI PRECISION BORING
walc
T Project
株式会社 空間精度研究所
Tokyo Global Headquarters
Tokyo Technology Week
+ World premiere of NLX 2500 2nd Generation
+ Live machining demonstration with the latest 5-axis machines and mill-turn centers
● Registration required for admission. Please contact our sales representatives for details.
DMG MORI CO., LTD. www.dmgmori.com
Tokyo Global Headquarters: 2-3-23 Shiomi, Koto-ku, Tokyo, Japan Second Headquarters / Nara Product Development Center: 2-1 Sanjohonmachi, Nara City, Nara
DMG MORI

【Publishers】Japan Machine Tool Builders' Association (JMTBA) Tokyo Big Sight Inc. 【Editing】THE NIKKAN KOGYO SHIMBUN, LTD.

Floor Plan

- Restaurants
- JIMTOF Food Festival
- JIMTOF Café
- Rest Area
- Prayer Room
- Information
- Shuttle Bus
- Jumbo Taxi Touring the Venue

JIMTOF East

OPEN 10:00▸18:00
(Until 16:00 on the last day)

Precision measuring machines and instruments

Optical measuring instruments

Testing machinery

Controller and related software(CAD/CAM, etc.)

Other associated machinery and equipment

Metal cutting machine tools

Metal forming machine tools

Other associated machinery and equipment

Metal cutting machine tools

Other associated machinery and equipment

Controller and related software (CAD/CAM, etc.)

East Halls 1F

New East Halls

Galleria

Entrance Gate
Link Space
Entrance Gate
Registration
1F

JIMTOF West & South

OPEN 9:00▸17:00
(Until 16:00 on the last day)

South Halls 4F

Gear and Gear devices

Oil hydraulic, Water hydraulic and pneumatic machinery

Grinding wheels and abrasives

Diamond, CBN tools

Machine tool accessories

Tools for machines (Cutting tools & Wear-resistant tools)

Other associated machinery and equipment

West Halls 4F

ACADEMIC AREA

Special Exhibition
Machine Tool Infinity∞
Welcome to the World of Machine Tools, Carving Out Endless Possibilities

Career Matching Square

IMEC Poster Session

International Information Center

Machine tool accessories

Other associated machinery and equipment

Publication

South Halls 1F

Metal cutting machine tools

Entrance Gate
Registration
1F

Additive Manufacturing Area

2F

Tools for machines (Cutting tools & Wear-resistant tools)

Tools for machines (Cutting tools & Wear-resistant tools)

Machine tool accessories

Machine tool accessories

West Halls 1F

Atrium

Entrance Gate

2F

South Concourse

2F
Registration
Entrance Gate

Entrance Gate
Registration
2F

1F
Reception hall

Conference Tower

North Concourse

7F
International Conference Room

6F
Conference Room
605-608

Rinkai Line
Kokusai-Tenjijo Station

YURIKAMOME
Tokyo Big Sight Station

International Information Center

BoothNo.	Organizer Name
G0000	JMTBA
G0001	AMTIL
G0002	CMTBA
G0003	KOMMA/KOTORA
G0004	IMTMA
G0005	TMBA
G0006	TAMI
G0007	VDW
G0008	UCIMU
G0009	SST
G0010	SWISSMEM
G0011	MTA
G0012	FMMI
G0013	CECIMO
G0014	AMT

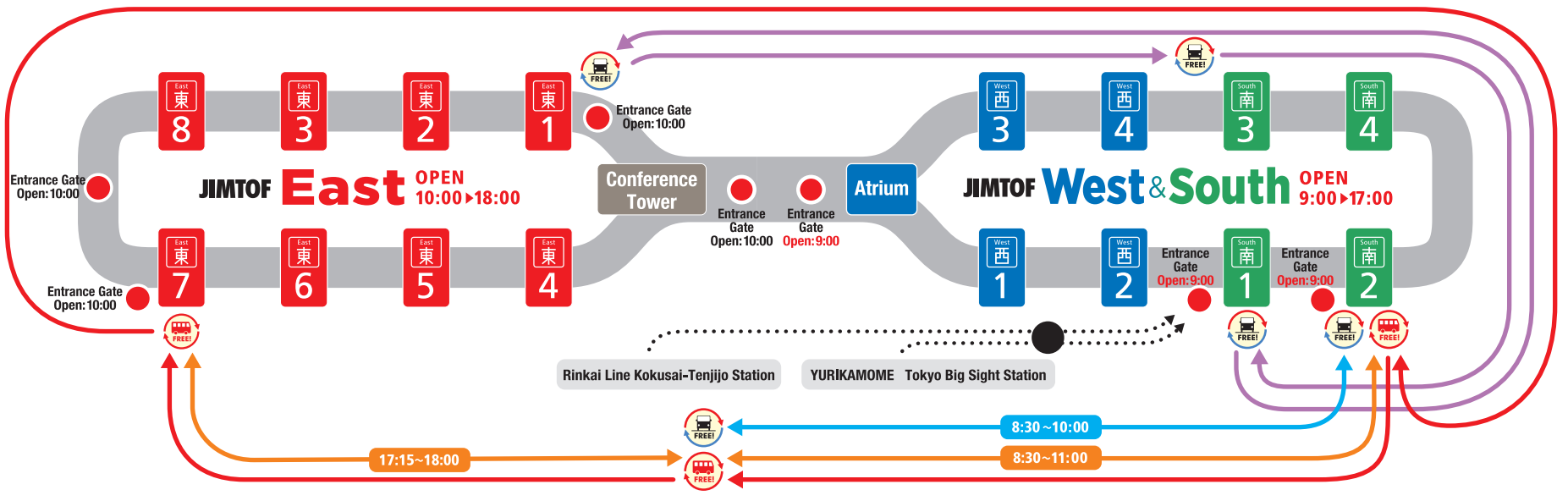
No Photography in halls

No Smoking on site
Please smoke in the predetermined smoking areas.

Route Map

Jumbo Taxi Touring the Venue 10:00~17:00

Shuttle Bus 11:00~17:15



Contents

Floor Plan ····· 2

Today's Program November 9(Sat.) ····· 3

Exhibitors List ····· 4–5

Exhibitors List／AM Area Exhibitors List ····· 6

East Hall 1・2・3 Map ····· 8–9

East Hall 4・5・6 Map ····· 10–11

East Hall 7・8 Map ····· 12

JIMTOF FOOD FESTIVAL & JIMTOF Café ····· 13

West Hall 1・2 Map ····· 14–15

West Hall 3・4 Map ····· 16

IMEC2024(The 20th International Machine Tool Engineers' Conference)Poster Session ····· 17

South Hall 1・2 Map ····· 18

South Hall 3・4 Map ····· 19

History of Career Change: The Path of Manufacturing Someone Who Has Chosen with a Different Background ····· 20

Students' Guide to JIMTOF2024 ····· 22

Students' Guide to JIMTOF2024 ／ Machine Tool Examination ····· 23

One Day of Me at Work in The Machine Tool and Manufacturing Industry ····· 24

Welcome to JIMTOF —Related Organizations News— ····· 25

Event Calendar ····· 26

Lectures ／ Seminars ····· 27

Lectures ／ Seminars in AM Area ····· 28–29

Exhibitor Workshops ····· 30

Exhibitor Workshops ／ AM Area Exhibitor Workshops ····· 31

Exhibitors in the East Hall, Remarkable Machine Tools Demonstrating New Value ····· 32

Today's Program
November 9 (Sat.)

South 南 Additive Manufacturing Area　Organizers Main Stage

10:00 – 11:00

Applications and challenges as repair techniques for metal AM

11:00 – 13:00

ShareLab

13:00 – 14:00

A Practical Guide to 3D Printing

14:00 – 15:00

Technology and Business Trends in Additive Manufacturing and 3D Printing from Global viewpoint





JIMTOF
MAP & DAILY NEWS
will be released daily during JIMTOF2024!
Back issues up to today are also available at Information.
Please note that numbers are limited.



South 南 / East 東 / West 西

Exhibitors List

How to find the Booth No.

East 1 (Hall No. 1 / Hall name) E 1000

West 1 ··· W 1000 | Atrium ··· WA 000

South 1 ··· S 1000 | AM Area ··· AM 000

A

W1042 A.L.M.T. Corp.
W4025 A.L.M.T. Corp.
E6023 ABICO R&D CO.,LTD.
E5052** ABSOLENT AB
W3079 ACCU-CUT INDUSTRIAL CO., LTD
E7090* ACO CO.,LTD.
E7090 ACO JAPAN.CO.,LTD.
E7062 ACS CO.,LTD.
W3065 Adachi Sogyo Co., Ltd.
E7133 Adcole LLC/Adcole Far East Co.,ltd
W1017 AFC Japan Corporation
E2008** Affolter Group SA
E1088* AGATHON AG
S3038 AHG PRECISION INDUSTRY LTD.
E4054 Ai solutions Co.,Ltd
E6028 Aichi Sangyo Co.,LTD
E1037* aichi welding
E2006* AirLoc Ltd.
E5040* Aitronix.Co.ltd
W2034 Akamatsu Electric Mfg.Co.,Ltd.
E7097 AKATSUKI MFG.CO.,LTD
E7089 AKIYAMA SEIKO CO.,LTD.
W1075** ALESA AG
E7080 ALFA MIRAGE Co.,LTD
E3003** Alfred H. Schütte GmbH & Co. KG
E1088* Alicona Imaging GmbH
E7111* Alicona Imaging GmbH
E1037 ALPHA LASER JAPAN CO., LTD.
E1080 ALPSTOOL CO., LTD.
W2009 ALPSTOOL CO., LTD.
E1072 AMADA CO.,LTD.
E7033 Amano Corporation
E7012 Ametek co.ltd
E4011 ANCA Machine Tools Japan
E7118 AnyDesign,INC
W1075** APPLITEC MOUTIER SA
E7092 AQUA CHEMICAL CO.,LTD
W4074 AQUA SYSTEM CO.,LTD
W4002 ARAI SHOKAI.CO.,LTD.
WA021 AREUSE Co.Ltd.
E1025* ARUM
W4061 ARYUNG MACHINERY IND. CO., LTD.
W2015 ASA Electronics Industry Co.,Ltd.
S3092 A-Safe K.K.
W4018 Asahi Diamond Industrial Co.,Ltd.
W3048 Asahi Shoko Co., Ltd.
W3003 ASAHI SHO-KO-SHA CO,LTD
E7149 ASANUMA GIKEN CO.,LTD
W4062 ASK CORPORATION
E1015 ASTEC Co., Ltd.
E7104 ATAGO CO.,LTD.
W4044 Atsuchi Tekko co.,LTD.
W3113* ATSUMI KOGYOU CORPORATION
E1055 Authentec Co., Ltd.
W3100 AUTOCAM TECHNOLOGY CO., LTD.
E5009 Autodesk Inc.
S3034 AUTOGRIP MACHINERY CO., LTD.
E7009 AWA SPINDLE CO.,LTD.
S3085 AXELENT JAPAN KK
WA019 Ayabo Corporation
W4078* Azbil Corporation
W4078 Azbil TA Co.,Ltd
S3077 AZUMANEJI CO.,LTD.

B

S3063 B AND K CO LTD
W2041 B.C TECH co.,LTD
S3007 BAOTN INTELLIGENT LUBRICATION TECHNOLOGY (DONGGUAN) CO.,LTD
E5019 Beckhoff Automation K.K.
W4038 Beijing Grish Hitech Co., Ltd.
E4001 Beiping Machine (Zhejiang) Co Ltd
S3090 BEISIT ELECTRIC TECH (HANGZHOU) CO., LTD
W3113* BELLBLUE
W3062 BICTOOL JAPAN CO., LTD.
W2049 BIG DAISHOWA SEIKI CO.,LTD.
E6027 Blaser Swisslube Japan Co., Ltd.
E1067 BLESS INC.
E1089* Blohm Jung GmbH
E5052** BLUE PHOTON Technology & Workholding Systems LLC
E1019 Blue Star R&D Co.,Ltd.
E7132 Blum-Novotest K.K
W1066** botek Präzisionsbohrtechnik GmbH
E6010 bp Japan K.K.
W4059 Brinkmann Pumps, K.H. Brinkmann GmbH & Co KG
E5045 Broadleaf Co., Ltd.
E6044 Brother Industries, Ltd.
E7111* Bruker Japan K.K.
W1051 BTT.co.,LTD
E2049** BUFFOLI TRANSFER S.p.A.
W3097 BUNRI Inc.
E1073 Bystronic Japan, Ltd.

C

E4048 C&G SYSTEMS INC.
E7047 CADDi inc.
W4055 Camel Precision Co., Ltd.
S3050 Campower International Precision Machinery Co., Ltd
E5031 CAMTUS INC.
E3004 Captain Industries, inc.
W3022 Carmex Precision Tools LTD
E2008* Cary SA
W1076 CemeCon K.K.
W3113 Central Japan Parts Processing Assoceiation
W1005 CERATIZIT Japan Corporation
E1065 cgkcorporation
E5042 CGTech
W4083-8 CHAIN HEADWAY CO., LTD.
E7115 Champ Casting Industry Co., Ltd.
W3076 CHAMPDIA Co., Ltd
E7137 Changchun Rongde Optics Co.,Ltd.
W3007 Changzhou North Carbide Tool Co.,Ltd
E6040 CHANGZHOU SHUANGYANG TOOLS CO LTD
E1016 Chemic Co., Ltd.
S3002 Chen Ying Oil Machine Co., Ltd.
W4083-6 CHENG FENG CASTING FACTORY CO., LTD.
W2065* Chengdu Kilowood and CLT Co.,Ltd.
W3068 Chengdu Metcera Advanced Materials Co., Ltd
E3007 CHIA LERN CO., LTD.
S3036 CHIAO FONG MACHINERY CO.,LTD.
E4003-3 CHIEN WEI PRECISE TECHNOLOGY CO., LTD.
E2047 CHIN HUNG MACHINERY CO.,LTD
E3038 China Chamber of Commerce for Import and Export of Machinery and Electronic Products
W3082 CHINA TAIZHOU SHAOSHI TOOLS CO.,LTD
E4032 CHING TAI COG MACHINE CO., LTD.
W3047 CHN-TOP SCI & TECH CO.,LTD
W1062 ChuangXin Japan Co.,Ltd.
W1050 CHUKYO CO.,LTD.
E4014 CHUNG PU LASER Co.,LTD.
E7077 CHUO PRECISION INDUSTRIAL CO.,LTD.
E5021** Cimple Technology Inc.
W1032 CIMSOURCE Japan Co., Ltd.
E5034 CITIZEN MACHINERY CO., LTD.
E2024 CKB Corporation
E7022 CKB Corporation
W4052 CKD CORPORATION
W3083 Clavis Japan Corporation
W1034** Co.,Ltd QMC
E4031 Cogentech International Ltd.
E7088 Cognex K.K
W1078 Cominix Co.,Ltd.
E4021 Comnet Co., Ltd.
E5022 Computer Engineering & Consulting Ltd.
S3005** Conprofe Technology Group Co., Ltd.
S3046 COOL TECH LTD.
E7075 CORETECH Co.,LTD.
W3086 CORTOOL MANUFACTURING GROUP
E3016 COSEN MECHATRONICS CO., LTD
W4005 Cosmotech Co., Ltd.
W2059 COYO CORPORATION
W4003 create engineering corporation
W3025 Cresstech Corporation
E2008* Crevoisier SA
S3087 CSA GROUP JAPAN LTD
S3012 CSC BEARING CO LTD
W1033 CY CARBIDE JAPAN CO.,LTD.
W3046 Cyber RC Co.,Ltd.

D

W3017 Da Shiang Automation Industrial Co., Ltd
W3050 daido kogyo kaisha
E7017 DAI-ICH SOKUHAN WORKS CO.
WA015 DAIICHISANGYO CO., LTD
W4058 DAIKIN INDUSTRIES, LTD.
E6043 DAINICHI KINZOKU KOGYO CO.,LTD
E6029* Daisei Co.,Ltd.
W4037 Daiwa Rabin Co., Ltd.
S3015 DAIYA SEIKI Co., Ltd.
E4056 Data Design Co., Ltd.
S3090* DENKA ELECTRON
W4083-14 Derstrong Enterprise Co., Ltd.
W4004 deta International
W3103 detron Machine Co., Ltd.
WA025 DEUBLIN JAPAN
W3027 DHF Precision Tool Co., Ltd.
S3049 DI CHUN IRON WORK CO., LTD.
W4083-5 DI KU DIAMOND ENTERPRISES CO., LTD.
E7003 DIATEST JAPAN LTD
W1072* DIAVAC LIMITED
W1043 DIJET INDUSTRIAL CO., LTD
WA006* DINE.INC
W1066** DIXI Polytool S.A.
W3060 DKSH Market Expansion Services Japan K.K.
E4009* DKSH Market Expansion Services Japan K.K.
E8004 DMG MORI Precision Boring Co.,LTD.
E8001 DMGMORI CO.,LTD.
W1072* DONG SUNG LASER CO.,LTD.
E6031 DONG YING HYSEN WATER PROCESSING TECHNOLOGY CO.,LTD
W3014 DONGGUAN MING ZE HARDWARE MACHINETY CO., LTD.
W3008 DONGGUAN ZHONGJI RONGYAO METAL CUTTING TOOLS CO.,LTD
E2003* Dontyne Systems Limited
E5029* DP Technology Japan
W3101 DTR CORPORATION
W2006 DURIMITEC Co. Ltd
E1033 DURMAZLAR MAKINA SAN VE TIC A.S
WA001 DYC Co., Ltd.
E5052 Dynamic Tools Corporation

E

E2006* e+a Elektromaschinen und Antriebe AG
E3009 EASTERN TECHNICS Corp.
E1084 EBA KOGYO CO.,LTD
W4083-11 ECHAINTOOL PRECISION CO., LTD.
E5041 Edgecross consortium
E6042 EGURO,LTD.
W3002 EIKO ELECTRIC INDUSTRIAL CO.,LTD.
W1003 EIKOSHA CO.,LTD.
E7106 EISEN CO., LTD.
E7038 Eishin International Co.,LTD.
S3019 Eishin Techno Co.,Ltd.
E3029 Elenix Corporation
E7075* ELGOJAPAN
W1068 EMUGE FRANKEN K.K.
E4007 ENEOS Corporation
E3040* ENSHU INDUSTRIAL Co.,Ltd
E3040 ENSHU Limited.
E2033* EPLAN
E1035 E-PLAN Co.,Ltd
E2024* Ernst GROB AG
E6005 EROWA NIPPON LTD.
E2006 Esco S.A.
E5038 Essor Precision Machinery Inc.
W3009 EST TOOLS CO.,LTD
E7060 EUCHNER Co.,Ltd.
E1025** Eureka Robotics, Co., Ltd.
E1088 EUROTECHNO Inc.
E7111 EUROTECHNO Inc.
W1049* Everloy Shoji Co., Ltd.
S3003 EVER-ON CORPORATION
E7074 EVIDENT Corporation
E1089* EWAG | Fritz Studer AG EWAG Zweigniederlassung
S3064 EXACT MACHINERY CO LTD
E4037 Exstream Corp.

F

W1010 F.P.TOOLS CO.,LTD
E1062 FABACE Co.,Ltd.
E7041 Fact Base
E5006 FACT Co., Ltd
E7008 Fagor Automation Japan K.K.
S2001 FANUC CORPORATION
E7119 FARO Japan, Inc.
E4010* FAST CORPORATION
E5052** FILTERMIST INTERNATIONAL LTD.
E6032 FIRST GIKEN CO.,LTD.
W2004 FIRSTEC CORPORATION
E1066 Fladder Danmark A/S
E6045 Flow Japan Corporation
E5047 FNS Co.,Ltd.
W3026 Fodbits (Weihai) Precision Technology Co., Ltd.
E4020 Foshan Huibaisheng Laser Technology Co Ltd
E5052** Franz KESSLER GmbH
E1061 FREEBEAR CORPORATION
E1089* Fritz Studer AG
W4030 FSK Inc.
E8002 FUCHS JAPAN LTD.
E7040 Fuji AI Precision Co., Ltd.
W1070 FUJI BC ENGINEERING CO., LTD.
E6021 FUJI CORPORATION
W1047 Fuji Die Co.,Ltd
E1002 Fuji Honing Industrial Co., Ltd.
W4010 Fuji Industries Co .,LTD.
E7142 Fuji Manufacturing Co.,Ltd.
E3031 FUJI SANGYO CO., LTD.
E1032 fuji shoji
E7020 FUJI TOOL Co., LTD.
E4012 FUJI-DENSHI
W3056 FUJIGEN KOGYO CO.,LTD.
E7141 FUJIKIHAN CO.,LTD.
E1071 FUJIKIKO Co.,Ltd.
E1007 FUJIMOTOYUKA
W1019 FUJISEIKO LIMITED
E6001 Fukuda Corporation
W3049 FUKUDA SEIKO CO.,LTD.
E1017 FUNASAW CO.,LTD
W4016 FUNIK ULTRAHARD MATERIAL CO.,LTD.
W4048 Fuqing Rihon Abrasives Co Ltd
W4028 Fuqing RongMa Grinding Wheel Co, Ltd
WA029 FURUKAWASEIKI CO.,LTD
W2043 futamura machines & tools co.,ltd.

G

W3058 Ganzhou Grandsea Cemented Carbide Co.,Ltd
E3042* GAZIRU, Inc.
E2024* Gehring Technologies GmbH + Co. KG
W3042 GEMtool Co., Ltd.
E5021 GENETEC CORPORATION
E4053 GENIO Solutions co.,ltd.
W3111** Georg Schlegel GmbH & Co. KG
W3115 German Tech Precision Manufacturing Co., Ltd
E2002 GF Machining Solutions
E2024* GFU Maschinenbau GmbH
S3054 GIFU ENTERPRISE CO.,LTD
W3113* GIFUPURO CORPORATION
S3001 GIZIN INTERNATIONAL CO., LTD.
E6008 Gleason Asia Co., LTD.
W4001 GLOBAL DIAMOND CO.,LTD.
S3033 GLOBAL PARTS CORP.
E1025* G-NET CORPORATION
E7055 GODO SOLUTION
W1009 GOLDEN EGRET CARBIDE JAPAN CO., LTD.
S3053 GONG YANG MACHINERY CO., LTD
E3003 GOSHO Co., Ltd.
E7046 GRAVOTECH K.K.
S3069 Green Plus Co., Ltd.
W1045 GREENTOOL CO.,LTD.
E6037 Grind Master Machines Pvt. Ltd.
E4003-2 GRINTIMATE PRECISION INDUSTRY CO., LTD.
E4006 GROB Japan K.K.
E5026 Grundfos Pumps K.K.
S3048 GSA TECHNOLOGY CO., LTD.
S3052 G-TEN Precision Co.,Ltd.
S3100 Guangdong Autofor Precision Intelligent Technology Corporation Co.,Ltd
W3072 GuangDong DaoFu Precision Technology Co Ltd
S3023 Guangdong Hippsc Technology Co Ltd
W3078 GUANGDONG HUASHENG NANOTECHNOLOGY CO LTD
E6015 Guangdong Ligong Technology International Co., Ltd.
E1064 Guangdong Longxin Laser Intelligent Equipment Co., Ltd
W1016 Guhring Japan Co.,Ltd.
E7135 Guilin Gemred Sensor Technology Co., Ltd
E2040 GUNKYO,INC.
W3020 Guohong Tools System (Wuxi) Co.,Ltd.
E1012 Gutenberg.co.ltd
E4024 GWEIKE TECH CO LTD

H

E2009** Haas Factory Outlet Japan
W3088 HABOR PRECISION INC.
E5027 HAIMER JAPAN K.K.
E2035 HAINBUCH Japan K.K.
E4038 HAKUSANKIKO Co.,Ltd.
E3026 HAMAI CO.,LTD
E4003-5 HAN JIE MACHINERY CO., LTD.
E7101 Hangzhou Deepvision Technology Co, Ltd.
E1011 Hann Kuen Machinery & Hardware Co., Ltd.
W2003 HANSUNG GT Co.,Ltd
E5052** Hantop Intelligence Tech.
E7096 Hanyang Filters and Engineering Corp.
E7150 Harbin Pioneer M&E Technical Development Co., Ltd
E2008** Hardinge Kellenberger AG
E4037** Hardinge Kellenberger AG
E7069 HARTING K.K.
E5014* HARU Technique Laboratory Inc.
E1044 HASEGAWA MACHINE WORKS LTD
S3042 HATSUTA SEISAKUSHO CO., LTD.
E5025 HAWE Japan Ltd.
S3079 HAYAMI MACHINE TOOL CO.,LTD.
E4008 heian corporation
E1069 HEICO
E7123 HEIDENHAIN K.K.
E1006 Heiwa Technica Co., Ltd.
W4017 HENAN BELLO NEW MATERIAL CO., LTD
W3010 Henan CA-Diamond Material CO.,LTD.
W3077 Henan E-Grind Abrasives Co Ltd
W3052 Henan Lerui Powerise Tools Co., Ltd.
W4028* HENAN XINYUAN SUPERHARD MATERIAL CO LTD
S3094 Henan Yuxing Carbon Material Co.,Ltd.
W4083-16 HER BERT ENTERPRISE CO., LTD.
E7116 Hexagon Metrology K.K.
W3023 HeYe Special Steel Co.,Ltd
W3033 HG TECHNOLOGY CO., LTD.
W3055 HICUT CO .,LTD.
E2006* Hikari Trading Co.,LTD.
E4034** HiPA Photoics Japan
E7067 HIRAOKA HYPER TOOLS, INC.
E1030 HIROCHIKU CO.,LTD.
E7138 Hirox Co.,Ltd.
W2014 Hishiko Corporation
E2009** HI-TAK CO.,LTD
W2051 HIWIN CORPORATION
E7126 HME Co., ltd.
W1075** Hommel+Keller Prazisionswerkzeuge GmbH
W1002 Honda Plus Co., Ltd.
E1026 Honma Precision Metalworking Co.,Ltd.
W3036 HONSBERG METALLSAEGEN GMBH
W2025* HORIKOSHI
E1036 Horitec Co.,Ltd.
E4049 HORKOS CORP
W1065 HORN, Paul Horn GmbH
W3090 HOSEA PRECISION CO., LTD.
E5032* HOUGHTON JAPAN CO., LTD.
E4043 HOWA MACHINERY,LTD.
E1068 HSG LASER CO.,LTD.
E5048 HTT Tiefbohrtechnik GmbH
W3030 HUNAN BOYUN-DONGFANG POWDER METALLURGY CO.,LTD
W4083-2 HWE DER MACHINERY AND HARDWARE PTY LTD.
W4067 HYDAC CO.,LTD.

I

W1066** IBAG Switzerland AG
E2023 ibaraki grinding wheel
W4036 ICHIGUCHI corporation
W3111** icotek GmbH &Co.KG
W4008 IDEC CORPORATION
W4063 idemitsu kosan company ltd
E7058 ifm efector co., ltd.
E3005 igus k.k.
WA002* IHI Bernex AG
WA002 IHI Corporation
WA002* IHI Hauzer Techno Coating B.V.
WA002* IHI Machinery and Furnace Co., Ltd.
E4050 IKEGAI Corporation
W4083-10 IKEHARA CO., LTD.
E1076 IKURASEIKI CO.,LTD.
W3084 IL JIN TOOL TECH CO.,LTD
W4009 ILJIN JAPAN Co.,Ltd
E1085 IMAHASHI MFG. CO.,LTD
W2002 IMAO CORPORATION
E2008* IMM Maschinenbau GmbH
E5007 IMPROBE Co., Ltd
S3026 INCOM Company LTD.
W3044 INCOS INC
E2008* INDEX-Werke GmbH & Co. KG Hahn & Tessky
W3041 IND-SPHINX PRECISION LTD. (Unit-B)
S3028 industria Co.,Ltd.
S3055 INNGRIT INC.
W2065 INNOTECH CO.,LTD
E7083 Innovalia Metrology
W3045 INPLUS Co.,Ltd
E5046 Integra Research Co. Ltd.,
W4019 INTERNATIONAL DIAMOND INC.
E1051 IRINOKIKO Co., Ltd.
E1089* Irpd AG
E7144 Isamu Paint Co., Ltd
E5017 ISBE GmbH
W1044 ISCAR JAPAN LTD.
E2014 ISHII HYOKI Co.,LTD.
E5032* ISHIKAWA Tool Grind Co.,Ltd.
E1034 Itaca Japan Inc.
E6006 ITOCHU MACHINE-TECHNOS CORP.
E5018 ITOCHU Techno-Solutions Corporation
E7082 itp Co., Ltd.
E1054 IWAMA Co., Ltd.
S3058 Iwamoto Kogyo Co.,Ltd.
E6012 IWASHITA INDUSTRIAL CO.,LTD.
WA014 IWATA SAW MFG CO.,LTD.
W1034** IWATA TOOL (THAILAND) CO., LTD.
W1034 IWATA TOOL Co.,Ltd.
WA026 IZUMI CORPORATION
WA032 IZUMI SANGYO CO.,LTD.
W1067 IZUSHI AND CO., LTD

J

W2018 JAPAN AUTOMATIC MACHINE CO., LTD.
W1031 Japan Coating Center Co., Ltd
E1017** Japan Cutting Laboratory Co.,Ltd
E7001 JAPAN GAUGE CO., LTD.
S3011 japan industrial publishing co.,ltd
S3060 Japan Machine Tools Distributors Association
E7013 Japan Precision Measuring Instruments Manufacturers Association
E4045 Japan speed shore
W1007 JAPAN WOLFRAM CO.,LTD.
E5028 JBM Engineering Corporation
S3095 JCM JAPAN CO.,ltd.
E7029 Jeil Mtech Co.,Ltd

For more information, access to
www.jimtof.org



W3094 JETON R/D & MFG. INC
W3092 JFLO MACHINE TOOL ACCESSORIES
W3096 Jiachen Precision Co., Ltd.
W3109 Jiangsu Swift Machinery Technology Co Ltd
E6047 Jiangsu Weize Intelligent Technology Co.,Ltd.
E1070 Jiangyin Aupu Machinery co., Ltd.
W3065* JIN LI CHENG CUTTINGTOOL Co., Ltd.
E4028 Jinan Bodor CNC Machine Co Ltd
W3099 JINAN XINLEI PRECISION MACHINERY CO LTD
E6009 JINN FA MACHINE INDUSTRIAL CO., LTD.
E5051 JIUH-YEH PRECISION MACHINERY CO., LTD.
E4003-1 JOEN LIH MACHINERY CO., LTD.
S3078 JOHNAN Corporation
E7048 JOHOKU CHEMICAL CO.,LTD
E6046 JSK CO.,LTD.
E3015 JTEKT CORPORATION
W4014 JTEKT GRINDING TOOLS CORPORATION
E3014 JTEKT MACHINE SYSTEMS CORPORATION
W2047 JTEKT MACHINE SYSTEMS CORPORATION

K

E7063 K.MECS Automation Inc.
E2009** K.T.System Co., Ltd.
W2032 KABUTO.MFG.CO.,LTD
E1046** KADIA Produktion GmbH + Co
E6030 Kagaku keiki kenkyusho inc
W4026 KAIFENG BESCO SUPERABRASIVES CO LTD
E2038 KAIOH&CO.,LTD.
W3016 KAMIYA SAW & KNIFE Mfg.Co.,Ltd.
W3102 KAMO SEIKO CORPORATION
W1046* Kamogawa Co., Ltd
E1025* KAN MANUFACTORY CO.,LTD.
E7072 Kan Mechanical Industry, Inc
W1024 KANEFUSA CORPORATION
AM103 Kanematsu KGK Corp.
W2030 KANETEC CO.,LTD.
W1052 KANEX HAMONO KOGYO CO.,LTD
E2010 KANTO BUSSAN CO.,LTD
W2062 KANTO SEIKI Co.,LTD
E3023 KANZAKI KOKYUKOKI MFG.CO.,LTD.
E2022 Karats Precision, Inc.
E7143 KÄRCHER (JAPAN) CO.,LTD.
E3022 KASHIFUJI WORKS, LTD.
W2016 KATO MFG.CO.,LTD
W4072 Kawamoto Pump Mfg. Co., Ltd.
E5035 Kawasaki Technology Co., Ltd.
W2061 kawata chuck mfg. co., ltd
W2060 KAWATATEC CORP.
S3106 KEIHIN RAMTECH Co., Ltd.
W2040 Keijikousan Co.,Ltd.
E3003** Kelch GmbH
E2007* KEN AUTOMATION,INC.
W1023 Kennametal Japan Ltd.
E1014 Kensakukenma Co., Ltd.
W3054 Kexian Precision Tools (Zhejiang) Co.,Ltd.
W3093 KEYARROW (TAIWAN) CO., LTD.
E7059 keyence corporation
W1048 KFcarbidejapan
W4065 King Shang Yuan Machinery Co., LTD
E7028 Kintsune Seiki Co.,Ltd
E1052 KIRA CORPORATION
S3029 kirishima.co.ltd
S3061 KISOH CORPORATION
E5016 KISTEM Co.,Ltd
E7004 Kistler Japan G.K.
W2011 Kitagawa Corporation
E1083 KITAISANGYO CO,LTD
E1047 KITAMURA MACHINE WORKS CO.,LTD.
E4044 KITAMURA MACHINERY CO.,LTD.
WA020 KITAOKA Industrial, Inc.
S3098 KITO CORPORATION
S3018 KITOSEIKISEISAKUSHO CO.,LTD.
E5014 KIWA MACHINERY CO.,LTD.
E1081 KLINGELNBERG Japan ltd.
E7037 KMKWORLD Inc.
W3073 KOBAYASHI DIA,Ltd.
W2013 kobayashi iron works co.,ltd
W1071 Kobe Steel, Ltd.
E5015 Kodama Corporation, Ltd.
W4081 KOHARA GEAR INDUSTRY CO., LTD.
W3015 Kohsei Co.,Ltd.
E7014 KOMATANI GAUGE Co.,Ltd.
S3058* Komatsu Koki Co., Ltd.
E5012 Komatsu NTC Ltd.
E1056 Komori Safety Device Laboratory Co.,LTD
E3025 KONDO MACHINE WORKS CO.,LTD
E1050 Kondo Seisakusho Co.,Ltd.
WA011 KONITECH INC.
E7078 Kosaka Laboratory Ltd.
W2024 KOSMEK LTD.
W3098 KOWA EMTECH CO.,LTD.
E4027 KOWA MACHINERY CO.,LTD.
E1058 koyogiken Ink.
E6020 KREUZ Co.,Ltd.
S3009 Kunshan Omatei Mechanical And Electrical Equipment Co., Ltd.
W4039 KURE GRINDING WHEEL CO.,LTD.
E2001 Kuroda Precision Industries Ltd.
W1014 KYOCERA Corporation
E7086 KYOEI ELECTRIC Co.,Ltd
W1079 Kyoni Co., Ltd.
W1049 Kyoritsu Gokin Co., Ltd.
W2037 KYORITSU SEIKI CORPORATION
W3108 KYOUIKU GEAR MFG.CO.,LTD.
E1009 Kyouwa Oil Lubricants Co., Ltd.
W1018 kyowa co.,ltd
W2046 KYUSHU KOGU CO.,LTD.

L

S3096 L.B. Weld Co., Ltd.
E2037 LAN Technology Co., Ltd.
E7061 LANTEK SHEET METAL SOLUTIONS, S.L.U.
E4030 Laser Technical Service Co.,LTD
S3074 LAUREL BANK MACHINES CO.,LTD.
E7064 Leading Intelligent Equipment (Qingdao) Group Co.,Ltd.
E5052** LESTOPREX AG.
W3069 Liaocheng Super New Material Co., Ltd
E4040 Liebherr-Verzahntechnik GmbH
S3023** LIFENG PRECISION TOOLS (ZHEJIANG) CO.LTD
E7099* Linnenbrink Technik Warburg Maschinenbau GmbH
E4029 LIOUY HSING CO., LTD.
E2045 LNS Management SA
W1066** LOADPOINT LTD.
E5052** LOCKWOOD PRODUCTS, INC.
W2025 LUBE CORPORATION
S3024 Luoyang Hongyuan Bearing Technology Co Ltd
W4049 LUOYANG RUNBAO SUPER ABRASIVES CO.,LTD

M

W2008 M.T. S.r.l.
W1077 MA TOOL CO.,LTD.
E5043 MACHINESOL Co.,Ltd
W4076* MAEDA GIKEN CO.,LTD.
W4076 MAEDA SHELL SERVICE CO., LTD.
E1089* Mägerle AG Maschinenfabrik
E2008* Mägerle AG Maschinenfabrik
E7113 Magnescale Co., Ltd.
E7011 Mahr Japan Co., Ltd.
W3113* MAKI FACTORY
E3034 MAKINO MILLING MACHINE CO.,LTD.
E1049 Makino Seiki Co.,Ltd.
W1028 MAKOTOLOY Co.,Ltd
E1020 Mamezou Co., Ltd
W1046 MANYO TOOLS CO., LTD.
E2009** MAPAL KK
E7107 MARPOSS K.K.
W3111 Marubeni Ele-Next Co.,Ltd.
E7085 Marubeni Information Systems.co.,Ltd
E1082 MARUEI MACHINE WORKS CO., LTD.
E7020* MARUI TECHNO CO., LTD.
WA016 MARUICHI CUTTING TOOLS CO.,LTD
E1025 MARUKA FURUSATO CORPORATION
W3113* Marusyo Seiko
E7052 Masterlink
E3043 Matrix Precision Co., Ltd
E1042 MATSUDASEIKI.,LTD.
W4071 MATSUI Corporation
E3039 MATSUMOTO KIKAI Co., Ltd
W2055 MATSUMOTO MACHINE CO.,LTD
E3039* MATSUMOTO SANGYO CO.,LTD.
W1006 MATSUOKA CUTTER MFG.CO.,LTD
E3019 Matsuura Machinery Corporation
E1027 Maxphotonics Co.,Ltd.
E4023 MCK Co.,Ltd
E1001 MECTRONINC.
S3080 Meiko industry Co., Ltd
W3113* MEINAN MACHINERY WORKS
W3075 Meister Incorporated
S3089 Mena Works Co.,Ltd.
S3099 METALEX 2024
E7094 METROL Co., Ltd.
E7120 Metrotec Corporation
S3068* micro-AMS Inc.
E5052** MicroCentric Corporation
S3065 MicroLab Precision Technology Co., Ltd.
E1003 MICRON MACHINERY CO., LTD.
W2010 MIKI PULLEY CO., LTD
E4009 Mikron Switzerland AG, Agno
E6014 MINAMIDA CO., LTD.
S3031 MinebeaMitsumi Inc.
S3081 MING TAI MACHINERY INDUSTRIAL CO., LTD.
WA018 MINITOR CO.,LTD.JAPAN
E4052 MIROKU Machine Tool,INC.
E7105 MITAKA KOHKI CO., LTD.
E7013* MITAKASEIKO CO., LTD.
E3020 Mitsubishi Corporation Technos
S2002 Mitsubishi Electric Coporation
W1054 MITSUBISHI MATERIALS CORPORATION
W2056 Mitsuboshi Kogyo Co.,Ltd.
E7042 MITSUBOSHI MFG,CO.,LTD.
E6024 MITSUHATA MACHINERY CO.,LTD
E6002* MITSUI & CO. MACHINE TECH LTD.
S3096* MITSUI & CO. MACHINE TECH LTD.
E2042 Mitsui High-tec, Inc.
WA022 Mitsui Kokuin
E3033 MITSUI SEIKI KOGYO CO.,LTD.
W4040 MITSUIGRINDING WHEEL Co.,LTD.
S3076 mitsuya industry Inc.
E7131 Mitutoyo Corporation
WA034 miyakawaindustry.co.,ltd
W4050 MIZUHO Co.,Ltd
W1029 Mizuho Industries Co., Ltd.
E6035 ModuleWorks GmbH
S3010 Mold Newspaper
W1059 MOLDINO Tool Engineering, Ltd.
S3037 Mongtec Precision Inc.
S3045 Monodukuri Review Co.,Ltd.
S3017 MORI MACHINERY CORPORATION
W3113* Morihagurumaseisakusyo
E7068 MORSON JAPAN Co., Ltd.
E7087 MOTHERTOOL CO.,LTD.
W2038 MST Corporation
W1066 MURAKI LTD.
E6019 MURATA MACHINERY, LTD.
E6019* Murata Tool, Ltd.
E6019* Muratec C.C.S., Ltd.
E7049 Muratec Frontier, Ltd.
E6046* MVM s.r.l.
WA030 MY TOOL NAGANO CO., LTD.

N

W2045 NABELL CORPORATION
W2029 Nabeya.Co.,Ltd.
W1055 NACHI Tool Engineering Co.,Ltd.
E4033 NACHI-FUJIKOSHI CORP.
W1056 NACHI-FUJIKOSHI CORP.
E7021 NAGAHAMA SEISAKUSHO LTD.
E7013** NAGAI GAUGE MFG.CO., LTD.
E1078 NAGASE INTEGREX Co.,Ltd.
E5005 NAGASHIMA SEIKO CO., LTD.
E1046 Nagel Aoba Precision Co., Ltd.
W2023 Nakahara Chemical Products Industry co.,Ltd.
E7110 Nakamura Mfg. Co., Ltd.
E5033 Nakamura-Tome Precision Industry Co., Ltd.
E1063 NAKANIHON-RO KOGYO CO.,LTD.
W2054 NAKANISHI INC.
E5052** Nakanishi Jäger GmbH
E1024 Nakaseiki Co.,Ltd.
E7139 Nango Co.,Ltd.
W4022* NANIWA ABRASIVE MFG. CO.,LTD
W4022 NANIWA TOISHI CO.,LTD.
E1023 Nanjing Prima CNC Machinery Co.,Ltd.
E7036 NATOCO Co.,Ltd
W2044 NBK
S3075 NDK Inc.
S3041 NEOFLEX co.,Ltd
W1070** NEW SANKYO TOOL
W2035 NEW STRONG CO.,LTD.
W4032 NEWREGISTON Co.,Ltd.
S3027 News Digest Publishing Co., Ltd.
E7067* nextscience
E7146 Nichiko Equipment Co., Ltd.
E2031 NIDEC MACHINE TOOL CORPORATION
E2032 NIDEC OKK CORPORATION
W4066 NIHON PISCO CO.,LTD.
E3028 NIHON SEIKI CO., LTD.
WA031 NIHON SEIMITSU KIKAI KOSAKU Co.,Ltd.
E7051 Nihon Tsukuridas inc.
E5002 Nihon-ALSYS.Inc
E5011 NIIGATA MACHINE TECHNO CO.,LTD.
E7125 NIIGATA RIKEN SOKUHAN CO., LTD.
E7006 Niigata Seiki Co.,Ltd
W2021 NIKKEN KOSAKUSHO WORKS, LTD.
W2063 NIKKI TRADING CORP
E7099 NIKKO TECNO CO.,INC.
W2031* NIKKO-YPK SHOJI CO.,LTD
E7073 NIKON CORPORATION
W4060 Nikuni Co.,Ltd.
E2026 NILES MACHINE CO., LTD.
W1066** NINE9
E3035 NINGBO BLIN MACHINERY CO LTD
W2058 NIPPON BEARING CO.,LTD.
W1038 Nippon ITF Inc.
W2027 Nippon Jabara Co., Ltd
E7030 NIPPON MECHA CHEMICAL Co.,Ltd.
W2028 Nippon Oil Pump Co.,Ltd.
S3073 NIPPON PAPER CRECIA Co., LTD
W2036 Nippon Schneeberger K.K.
S3082 NIPPON SEIMITSU DENSHI CO.,LTD
E3037 NIPPON TAPPER Co.,Ltd
W2020 NIPPON THOMPSON CO.,LTD
W1030 Nippon Tokushu Goukin Co.,LTD.
S3040 NIPPON TUNGSTEN CO.,LTD
E7100 Nippon Vision Engineering Co.,Ltd.
W4015 NIPPONDIAMOND CO.,LTD.
E2046 NISHIJIMA CORPORATION
W3113* Nishiki Industrial Co.Ltd
W3110 NISSEI CORPORATION
S3062 NISSHIN RUBBER CO.,LTD
E6016 NISSHO MACHINERY CO.,LTD
S3104 NISSIN
E3041 NISSIN MACHINE WORKS , LTD.
E1045 Nissin Manufacturing Co., Ltd.
W4029 Nitolex Corporation
E7151 NITTO KOGYO CORPORATION
W4069 Nitto Kohki Co., Ltd.
E5040 NITTO SHOJI KAISHA,LTD
E4025 NITTOPOLYGON Co., Ltd
E2009 NK WORKS CO.,LTD.
W1075 NOAH CORPORATION
W1013 Noga Waters Ltd.
W2031 NOMURA MACHINE TOOL WORKS, LTD.
E5053 NOMURADS CO.,LTD
W4024 NORITAKE CO.,LIMITED
W1025 Noto Alloy Co.,Ltd.
S3091 NOZUK.Ltd.
W1057 NS TOOL CO.,LTD.
W2026 NSK Ltd.
E5024 NSS co.,LTD
W2050 NT TOOL CORPORATION
W1027 NTK CUTTING TOOLS Co., Ltd
W2052 NTN Corporation
E1057 NUMALLIANCE
W4043 NUNOME ELECTRIC CO.,LTD.

O

E1046** O.ERRE.PI.
E7112 OBISHIKEIKISEISAKUSHO
W1058 Oerlikon Japan Co., Ltd.
W3113* OFFICE KIITOS
W1036 OGASAWARA PRECISION LABORATORY CO. LTD
WA035 OHM ELECTRIC CO., LTD.
E1059 OHMINE INDUSTRY CO.,LTD
E3001 Ohmiya Machinery Co.,Ltd
E3008 Ohno Seiko Co.,Ltd.
S3022 OHNOSEIKI Ltd.
E6029 OHTORI KIKO CO.,LTD.
E7016 OJIYA SEIKI CO.,LTD.
S3014 OKADA INTELLIGENCE (JIANGSU) CO LTD
E2030 Okamoto Machine Tool Works,Ltd.
W3051 OKASUGI
W1060 OKAZAKI SEIKO CO., LTD.
W3035 OKE PRECISION CUTTING TOOLS CO LTD
S3101 Oki Electric Cable Co.,Ltd.
E6048 OKUMA Corporation
E5054 O-M Ltd.
E1046* OMAT Co., Ltd.
WA005 Onwardgiken Co.,Ltd
E7013* OOKO SEIKI CO., LTD
E7065 OPC Foundation Japan
E5004 OPEN MIND Technologies japan
E7134 Opto Science
E1075 Opton.Co.Ltd
E7127 Orbray Co.,Ltd.
E3036 ORIGINALMIND
E5049 ORiN Comsortium
W4006 Osaka Seikan Co., Ltd.
W1066** OSBORN GmbH
E2025* OSG COATING SERVICE CO.,LTD.
W1020 OSG Corporation
E7031 Otennlux Lighting Technology Co.,Ltd
E7103 OTSUKA OPTICS Co.,Ltd.
E7007 OZAKI MFG.CO.,LTD.

P

E7140 P&C LTD.
WA004 PAL CO.,LTD.
E5010 PALMARY MACHINERY CO., LTD.
E7117 Panasonic Factory Solutions Sales & Engineering Japan Co., Ltd.
E1030* PARKER NETSUSHORI KOGYO CO., LTD.
W3089 PARKSON WU INDUSTRIAL CO., LTD
E6034 Parv Metal Processing Co.
W2022 Pascal Corporation
W4073 PASCAL SYS&ENG. CO., LTD.
E2008* PEMTec SNC
E2039 PENTA LASER (ZHEJIANG) CO LTD
E2048 PERFECT MACHINE CO., LTD.
E2025 PerformCoat Europe AG
W1066** PERON SPEED INTERNATIONAL SRL
E7091 PETROPLAN CO. LTD.
E2027 physical photon
E7136 PhysixTechnologyInc
W2005 PIONEER TRADING COMPANY
E2008* PLATIT AG
E7050 Polytec Japan
E4037** Posalux S.A.
S3051 PRECISION MOTION INDUSTRIES
WA023 Precision Tool Makers Export Group,Ltd.
E1088** PRECITRAME MACHINES SA
E3042-5* Premier Engineering Co.,Ltd.
E3021 PRIORITY CO.,LTD
E2046* Profiroll Technologies GmbH
E3003** ProGrit GmbH
W3033* PROST CO.,LTD
E7079 Pulstec Industrial Co., Ltd.

Q

E5012* QUALICA Inc.
E2008* Quality Vision International Inc

R

E3023* RAMPF Group Japan K.K
WA008 REGO-FIX JAPAN K.K.
W1008 REIHOU.CO.LTD
E2003 Reishauer KK
E1088* Rene Gerber AG
E7026 RENISHAW K.K.
W4033 RESITON CO., LTD.
W3059 RESMOTOOL CO., LTD.
E1021 R-GOT CO.,LTD
W1064 Rhinos Company Ltd.
W3081 RI HSIUNG PRECISION TECH CO., LTD.
E2008* Riello Sistemi Digital Transfer Srl
W2007 RIKEN SEIKI Co.,Ltd.
E2009** Rinsconnect Corporation
E2033 Rittal K.K.
W3112 RIX CORPORATION
E3003** Roeders GmbH
E2034 ROKU-ROKU SMART TECHNOLOGY CO.,LTD.
E2008* Rollomatic SA
WA024 Romheld Halder
E4003-6 RONG JHEN TECHNOLOGY CO., LTD
S3057 ROYAL PRECISION TOOLS CORPORATION
W1022 RYOCO SEIKI CO.,LTD

S

E2049 S&F Inc.
E3017 S.Iab Inc.
E4036 SAEILO ASIANET, INC.
E4055 SAEILO JAPAN, Inc.
W4083-9 SAFEWAY MACHINERY INDUSTRY CORPORATION
S3084 Sagami Chemical Metal Co.,Ltd.
E6025 SAIDA UMS INC.
E7039 SaiSi Machine & Electric (Zhejiang) Co., Ltd
W1061 SAITO SEISAKUSHO CO.,LTD.
E7084 SAITOH KOUGAKU Co.,Ltd.
W4070 SAKAGAMI SEISAKUSHO LTD.
W3113* Sakaiseisakusyo
E5020 SAKURAI LTD.
W3074 SAKUSAKU CO.,Ltd.
S3039 Samchully Machinery Co., Ltd
E4022 SAMURAI SAW WORKS CO.,LTD
W1012 Sanalloy Industry Co., Ltd.
W1039 Sandvik K.K.(Dormer Pramet)
E7005 Sangen corporation
W4083-15 SANJET INTERNATIONAL CO., LTD.
E7035 SANKEI MANUFACTURING CO.,LTD.
WA033 Sanki-Technos Co., Ltd.
W4064 SANKO LIMITED
S3093 SANKYO REELS,INC.
W2057 Sankyo Seisakusho Co.
S3086 Sanmatsu Co.,Ltd.
E2007 Sanpo Seiki Co., Ltd.
E3042-6* Sansei Co.,Ltd.
E1039 SANSHIN
E7081 Santec Japan Corporation
W4079 SANWA ENTERPRISE COMPANY, LTD.
E1077 Sanwa Robotics Co.,Ltd.
W4035 SANWA SHOKO Co.,Ltd.
S3102 SANWACHEMICALCO.,LTD
E1004 SANWAKOUYU
W1037 SANWASEISAKUSYO CO.,LTD
E2019 Sanyo Machine Co., Ltd.
W2048 SANYO MFG.CO.,LTD.
E4037** Sarix S.A.
S3072 Satech Safety Technology Ltd
E4039 Sawairi Engineering Co.,Ltd
E1089* SCHAUDT MIKROSA
E7066 SCHMERSAL JAPAN K.K.
E2004 SCHUNK Intec K.K.
W2001 SDG Co., Ltd.
E3018 SEA FORCE CO.

South 南 / East 東 / West 西

Exhibitors List

W4013 SEA SHORE DIAMOND INDUSTRIAL CO., LTD.
E2044 Seibu Electric & Machinery Co.,Ltd.
E7057 Seibu Shoko Co., Ltd
E6003 SeibuHitec
E2015 SEIJOKOGYO
E1087 Seiko Instruments Inc.
E4041 SEIWA G-TEC INC.
E4026 SENJO SEIKI CO.,LTD.
W4068 SEOAM MACHINERY INDUSTRY. CO.,LTD.
S3032 SGO CO., LTD.
E7071 SHAN DONG NANO ADVANCED MATERIALS TECHNOLOGY CO., LTD
S3013 SHANDONG OUNUOWEI NUMERICAL CONTROL TOOL CO.,LTD
W3106 Shandong Shanneng Precision Machniery Co., Ltd
W3019 Shanghai Hezuan Technology Co.LTD
W3053 Shareate Tools Ltd
W4056 Shell Lubricants Japan
W3080 Shenyang Wemust Saws Industrial Corporation Ltd
S3030 Shenzhen Danfoo Technology Co., Ltd.
E1025** Shenzhen Han's Robot Co., Ltd.
E4034 Shenzhen JPT Opto-Electronics Co Ltd
S3107 Shenzhen Q-mao Precision Technology Co., Ltd.
W3037 SHENZHEN YUBAO DIAMOND TOOLS CO.,LTD
E2043 SHIBAURA MACHINE CO., LTD.
E1074 SHIBUYA CORPORATION
E2021 SHIGIYA MACHINERY WORKS LTD.
E6026 SHIMADA MACHINE TOOL DRIVES CO., LTD
E4051 SHIN NIPPON KOKI CO.,LTD.
E7045 Shinano Kenshi Co., Ltd.
W4042 SHINANO KIHAN Co.,LTD
E7148 SHINING 3D Tech Co.,Ltd
E1057* SHINKO MACHINERY CO., LTD.
E1041 SHINKO MFG.CO.,LTD.
W1072 ShinMaywa Industries, Ltd.
E7055* ShinMaywa Soft Technologies, Ltd.
S3020 SHIN-OH ELECTRIC CO.,LTD
W1063 SHINSEI CORPORATION
W4083-3 SHIN-YAIN INDUSTRIAL CO., LTD.
W1066** SHIN-YAIN INDUSTRIAL CO., LTD.
E3027 SHIZUOKA MACHINE TOOL CO., LTD.
E7102 Shoraku Co.,Ltd
W4082 Showa Corporation
W2012 SHOWA TOOL CO.,LTD
E7095 Showa-industory co.,ltd.
E5008 Siemens
W1019* SIGA MACHINE TOOL Co.,LTD
E7109 SIGMA ELECTRONICS Co., Ltd.
E6019* silex technology, Inc.
W3085 Silver Alloy Co., Ltd.
W3040* SIMOTSU
E7106* SION DIAMOND Co., Ltd
E3011* Sir meccanica S.p.A.
W4027 SISA ABRASIVES CO LTD
S3021 SKF Japan Ltd.
W4057 SMC Corporation
W2067 SMW-AUTOBLOK JAPAN INC.
E1031 SOCO Machinery Co.,Ltd.
E4015 Sodick Co., Ltd.
E4046 SOFIX Co., Ltd.
S3005 SofTool Manufacturing Co Ltd
S3067 Sokeizai Promotion Council (Ministry of Economy, Trade and Industry)
E7015 SOKUHANSHA CO.LTD
E7098 SOL Corporation
E4019 SOMAX CO., LTD.
W3066 soneda kougyou co,ltd
W4041 SOWA Co.,Ltd.
W3040 SOWA SYSTEM CO.,LTD.
W3057 SPEED TIGER PRECISION TECHNOLOGY CO.,LTD.
E3006 Speedy Target Group Co., Ltd.
E7121 SPI ENGINERING CO.,LTD
E6022 STAR MICRONICS CO.,LTD.
W3001 STAR TOOL CO.,LTD.
W4007 State Industry Co.,Ltd.
E1028 ST-LINK
WA012 STO Co., Ltd.
W3004 Sugatsune Kogyo Co., Ltd.
E1079 SUGINO MACHINE LIMITED
W4031 Sumflex Co.,Ltd.
W1041 Sumitomo Electric Industries, Ltd.
E3024 Sumitomo Heavy Industries Finetech, Ltd.
E3024* Sumitomo Heavy Industries, Ltd.
W4077 Sumitomo Precision Products CO.,LTD.
E3010 SUN-YELL INTERNATIONAL CORPORATION
W4083-17 SUPER AIR COMPRESSOR TECHNOLOGY CO., LTD.
E5036 Suzhou Haller Intelligent Equipment Co.,Ltd.
W3091 Suzhou Huajiede Manufacturing Co Ltd
E6007 Swiss Technology Co., Ltd
E5052** SwissChuck AG
E3032 SYNOVA JAPAN KK
E2002* system 3R International AB
E2007* System Engineering Co.

T

E7130 TACC Corporation
E7131* TACC Corporation
W4021 TACS CORPORATION
E5030 TACTX Co.,Ltd.
W1027** TaeguTec Ltd.
S3047 TAI CHONG CO., LTD
E5040* Tainatec.co.Ltd
W4051 TAISEI KOGYO Co., Ltd.
E4003-9 Taiwan External Trade Development Council
W4083-18 Taiwan External Trade Development Council
E8003 TAIYO KOKI CO., LTD.
E3011 Taiyo-Kouki Co.,Ltd.
W1073 TAIYO-TOOL CO.,LTD.
E6041 TAIYU CO.,LTD
E6013 Taizhou Xiongfeng Machinery Co. ,ltd.
E7147 TAJIMA LIGHT METAL CO.,LTD
E1048 TAKAHASHI MACHINERY CO., LTD.
W3113* TAKAHASHI SEIKI Co., Ltd.
WA013 TAKAHASHI TOOLS CO., LTD.
W4023 TAKAKURA KOHGYO CO.,LTD.
E6017 TAKAMATSU MACHINERY CO.,LTD.
E1040 Takashima Sangyo Co., Ltd.
S3043 TAKAYAMA TRADING CO.,LTD
E7053 TAKEBISHI CORPORATION
E2029 TAKEDA MACHINE TOOLS CO., LTD.
W2019 Takeuchi Precision Works Co.,Ltd.
W3113* Takimoto Giken Industry Co., Ltd.
E3013 Takisawa Machine Tool Co., Ltd.
E7054 Takumi Engineering, inc.
WA010 TAKURAKOGUSEISAKUSYO
E5052** TALLERAS MYL S.A.U.
E2016 TANIGAWA Co.,Ltd.
S3108 TANISHI
W3061 TANITEC CORPORATION
W4083-12 TANKO ENTERPRISE CO., LTD.
W1035 TANOI MFG.CO.,LTD.
W3006 Tarfilm Hi-tech Co., Ltd.
WA003 TATENO CO., LTD.
W1011 tatsuno sawing dr.co.,ltd.
E1046** TBT Tiefbohrtechnik GmbH + Co
S3083 Tebiki, Inc.
WA009 TECH WAY ADVANCED MATERIALS CO.,LTD
W2064 Tech.yasuda CO,Ltd
W4080 Techno Dynamics Inc.
E5044 TECHNOA.INC
E4002 TechnoCoat Co., Ltd.
E5050 Techtrage Co.Ltd
E7114 TECLOCK Co.,Ltd.
W3028** TEC-SPIRAL ENTERPRISES TOOLS CO., LTD.
W4047 TEIKEN Corporation
W2066 TEIKOKU CHUCK CO., LTD.
E6033 Telus Laser Co.,Ltd.
W4020 TENRYU SAW MFG. CO., LTD.
E4047 TERAL INC.
S3071 TE-SHIN Precision Technology CO., LTD.
S3097 TEZMAKSAN ROBOT VE OTOMASYON TEKNOLOJILERI SAN. TIC A.S
E7076 THANKO.inc
E7032 THE CREO CO.,LTD
S3059 THE KANKISANGYO SHIMBUNSHA
W3067 THE KIICHI TOOLS CO.,LTD
S3044 THE NIKKANKOGYOSHIMBUN,LTD
E3002 The SHODA Company
W4083-1 THETA PRECISION CO., LTD.
W2017 THK CO., LTD.
W1054* three B
E7070 Three R Solution Corp.Japan
E4003-8 TIAN FENG HYDRAULIC CO., LTD.
W3106* TIANGONG OSTTE (SHENZHEN) INDUSTRIAL TECHNOLOGY CO.,LTD
S3070 Tien Ding Industrial Co., LTD
S3004 TIM GROWING BEARING (ZHEJIANG) CO LTD
W4046 Tipton Corp.
S3035 TJR Precision Technology Co., Ltd
E3042-4* TMW CO.,LTD
E2036 TMW CO.,LTD.
W3063 TnC SHARK Co.,LTD
E7013** TOA PRECISION MACHINERY CO., LTD.
E7043 TOCHO MARKING SYSTEMS ,INC
WA028 TODASEIKI CO., LTD.
E1043 Tohshin Technical Co.,Ltd.
S3088 Tokai Spring Industries, Inc.
W1069* TOKALOY CO.,LTD
W1069 Tokaloy TGK Co.,Ltd.
W1040 TOKO CO.,LTD.
W3024 TOKYO AUTOMACH CO.,LTD.
E7010 TOKYO BOEKI TECHNO-SYSTEM LTD.
E4010 Tokyo Engineering Co., Ltd.
S3105 Tokyo Hatsujyo Manufacturing co.,Ltd
E3042* TOKYO KIKAI SEISAKUSHO, LTD.
W4053* Tokyo Oilanalyst Co.,Ltd
E2012 TOKYO SEIKI KOSAKUSHO
E7027 TOKYO SEIMITSU CO., LTD
E1060 Tokyo seimitu hatujyou Co.,Ltd
E1086 TOKYO TAPPING MACHINE CO.,LTD.
W3114 Tokyo Technical Instruments Inc.
W2042 Tomita Co.Ltd
E4003-4 Tongtai Machine & Tool Co., Ltd.
W1081 TOOL de INTERNATIONAL CO.,LTD.
W1034** Tool Discovery Co., Ltd
E7044 Tornex Inc.
WA017 TOWA Corporation
E3030 Toyo Advanced Technologies Co.,Ltd.
W1080 TOYO CO.,Ltd (Nagano)
E2005 TOYO CORPORATION
E7124 TOYO Corporation
W1066** TOYO IRON
E1008 TOYO KENMAZAI KOGYO LTD.
S3016 TOYO SCREEN KOGYO CO., LTD.
E4004 TOYO SEIKI KOGYO CO.,LTD.
W3021 TOYOX CO.,LTD.
E7018 TPR OSAKA SEIMITSU KIKAI CO., LTD.
E5032 TRANSOR FILTER JAPAN CO., LTD.
E5012* TRI ENGINEERING COMPANY LIMITED
W1034* TRI ENGINEERING COMPANY LIMITED
WA027 Trio Inc.
E7122 Trioptics Japan Co.,Ltd.
W4053 Triple R Co., Ltd.
E1038 TRUMPF CORPORATION
S3066 Tsubakimoto Mayfran Inc
W2033 TSUDAKOMA Corp.
E6018 TSUGAMI CORPORATION
E7034 TSUKUBA ENGINEERING LTD.
E2020 TSUNE SEIKI Co.,Ltd.
W1021 Tungaloy Corporation
W3075* TWOPLA GIKEN Co.,Ltd

U

E2036* UEL
E6036 UJIDEN CHEMICAL INDUSTRY CO.,LTD.
E7128 umati (c/o VDW-Forschungsinstitut e.V.)
W3095* UNIMAGTECH KK.
W3032 UNION MATERIALS CORP.
W1015 UNION TOOL CO.
E7108 UNIPULSE CORPORATION
E1089 United Grinding Group Management AG
E7056 Universal Robots
E2008* USACH
W1001 UTSUNOMIYA SEISAKUSHO CO.,LTD.
W1034** UYAR GmbH & Co. KG

V

E5052** Vandurit GmbH
E7023 Vectrix Corporation
W4083-7 VERNAL MANUFACTURING & ENGINEERING CO., LTD.
E5029 Vero Software KK
S3056 VERTEX MACHINERY WORKS CO., LTD
W3031 VESSEL CO., INC.
E3042-7* VIZEST Co.,Ltd.
E2013 Vollmer Japan Corp.
E7024 Volume Graphics Co., Ltd.
E5012* Volumetric Accuracy Research Institute Co., Ltd.
E7026* Volumetric Accuracy Research Institute Co., Ltd.
E6035** VoluMill by MoudleWorks & VoluTurn by ModuleWorks

W

E3003** Wagner Tooling Systems Baublies GmbH
E2018 WAIDA MFG. CO., LTD.
E2018* WAIDA PRECISION MACHINERY CO., LTD.
W4054 WALRUS PUMP Co., Ltd.
E1089* Walter Maschinenbau GmbH
W4064* Wanner Engineering, Inc.
E7002 Watanabe Seimitsu Industries, Ltd.
E4005 Weihai Huadong Automation Co.,Ltd
E2028 WEISS MACHINERY CO LTD
E3003** Werth Messtechnik GmbH
W4026** WESTERN JAPAN TRADING CO., LTD.
E6002 WFL Millturn Technologies GmbH & Co. KG
WA006 WIDIN CO,LTD
E1013 WIKUS-Sägenfabrik, Wilh. H. Kullmann GmbH & Co KG
W3095 WILHELM KOENIG MTM
E1088* WILLEMIN-MACODEL SA
W4083-4 WINSON MACHINERY CO., LTD.
E7145 WINTECH
E7025 Wintech Automation Co., Ltd.
E4013 WINTECH Co.,LTD.
E5003 WinTool AG
E1010 Wuhan Heavy Duty Machine Tool Group Corporation
E1029 WUHAN NEWWISH TECHNOLOGY CO.,LTD
E2017 Wuhan Raycus Fiber Laser Technologies Co Ltd
E3012 Wuxi Qingyuan Laser Technology Co Ltd
E2008* WYLER AG

X

WA007 XEBEC TECHNOLOGY CO.,LTD.
S3006 Xi an Dong Long Precision Tools Co Ltd
W4011 Xiamen Chiaping Diamond Industrial Co., LTD.
W3043 XIAMEN HJ CARBIDE TECHNOLOGY CO LTD
S3008 XUANCHENG TENIO AUTOMATIC EQUIPMENT CO.,LTD

Y

W2039 Yamada Machine Tool Co.,Ltd.
W3113* YAMADA SEISAKUSYO CO., LTD.
E7129 YAMAGUCHI SANGYO CO., LTD.
E7019 YAMAMOTO SCIENTIFIC TOOL LABORATORY CO., LTD.
E6011 YAMASAKI GIKEN Co.,Ltd.
E4045* Yamashita works
W1074 YAMAWA MFG.CO.,Ltd.
E5037 YAMAZAKI CO.,LTD.
E5001 YAMAZAKI MAZAK CORPORATION
E6038 YAMAZEN CORPORATION
W4045 Yanase
E4035 YANGZHOU DEVELOPPING IMP&EXP CO.,LTD
W1053 YANO METALS CO.,LTD.
E5013 YASDA PRECISION TOOLS K.K.
E3042* YEONG CHIN MACHINERY INDUSTRIES CO., LTD.
W1075* YESTOOL CO.,Ltd
W3105 YEU LIAN ELECTRONICS CO., LTD.
W1004 YG-1 JAPAN Co., Ltd.
W4083-13 YIH TROUN ENTERPRISE CO., LTD.
E2008 YKT CORPORATION
W3104 YODOGAWA ELECTRIC TOOL MFG CO.,LTD
E3042 YONEZAWA KOKI CO., LTD.
E4003-7 YONG JU PRECISION TECHNOLOGY CO., LTD.
E1053 YOSHIKAWA IRON WORKS CO.,LTD.
E5023 Yoshikawa MAPLE Co.ltd
W3064 YU WEI INDUSTRIAL CO., LTD
E7093 YUAN JUN FONG CASTING CO., LTD
E6039 Yuan Jun industry
W3107 Yuan Yi Chang (YYC) Machinery Co., Ltd.
W2053 YUKIWA SEIKO INC.
W4034 Yuko Corporation
E1005 YUSHIRO CHEMICAL INDUSTRY CO.,LTD

Z

W3018 ZHEJIANG GEM-CHUN PRECISION INDUSTRY CO., LTD.
E6004 Zhejiang IVKE Machinery & Technology Co.,Ltd.
E4042 ZHEJIANG MEIRI INTELLIGENT MACHINERY CO LTD
S3025 ZHEJIANG SAN OU MACHINERY LIMITED COMPANY
W3011 ZHEJIANG SHANGYOU TOOLS CO LTD
E5039 Zhejiang Taixing Intelligent Equipment Co.,Ltd
E2011 Zhejiang Xinxing Tools Co., LTD.
W3012 ZHEJIANG YOUNIO TOOLS CO LTD
W3005 Zhejiang Zhiguang Precision Tools Co.,Ltd.
W3029 ZHENGZHOU DIAMOND PRECISION MANUFACTURING CO.,LTD.
W3028 Zhengzhou Sino-Crystal Diamond Co Ltd
W3038 ZHENGZHOU ZHONGNAN JETE SUPERABRASIVES CO., LTD.
W3087 ZHENGZHOU ZZDM SUPERABRASIVES CO.,LTD
W4012 Zhongye Superhard Material Co., Ltd.
W3070 Zhuzhou Cemented Carbide Works Imp. & Exp. Co.
W3071 Zhuzhou Huarui Precision Cutting Tools Co Ltd
W3039 Zhuzhou Kerno Advanced Materials Co.,Ltd.
W3013 Zhuzhou Kunrui Carbide Co.,Ltd
W3109* Zhuzhou Sant Cutting Tools Co., Ltd.
S3068 ZIPPERTUBING(JAPAN), LTD.
E2041 ZOLLER Japan K.K.
W3034 ZUOREN CUTTING TOOLS (SHANGHAI) CO LTD

Additive Manufacturing Area in JIMTOF2024

#

AM117 3D Systems Japan
AM153 3DEO

A

AM151-1 Additive Industries
AM123 Aichi Sangyo Co., LTD.
AM140 APPLE TREE Co., Ltd.

B

AM103* BEIJING JINGDIAO GROUP CO., LTD.
AM142 bestat Inc
AM103* bestat Inc
AM114 Brule Inc.

C

AM104 CASTEM CO.,LTD.
AM106 CHITA MFG CO.,LTD
AM131 CKB Corporation
AM151-4 Continuum Powders
AM147 CT CoreTechnologie Asia Co., Ltd.

D

AM136 Daido Steel Co., Ltd.
AM103* DAISEN SANGYO CO.,LTD.
AM103* DELTA ELECTRONICS (JAPAN), INC.
AM126 DMGMORI CO.,LTD.
AM149 DMM.com, LLC,
AM121 DOHO Corporation

F

AM103* framag Industrieanlagenbau GmbH
AM111* Fuji Koushuha Industry Co.,Ltd.
AM109 Fusion Technology Co., Ltd.

H

AM145 haraseisakusyo.,co.ltd
AM146 HDC Co. Ltd.
AM137 Höganäs Japan K.K.
AM103* HOUGHTON JAPAN CO., LTD.
AM139 HTL Co. Japan Ltd.

I

AM103** IAI CORPORATION
AM103* INNOTECH Co.,Ltd.
AM103* INNOVATEST
AM116 IWAMA Co., Ltd.

J

AM105 JAPAN 3D PRINTER Co.,Ltd
AM124 Japan 3D Printing Industrial Technology Association
AM103* Japan Fluid System Co., Ltd.
AM128 Japanese Society of Additive Manufacturing
AM111 JBM Engineering Corporation
AM103* JBS System GmbH
AM113 JEOL Ltd.

K

AM118 Kanazawa University, Human Machine Innovation Laboratory
AM103* KANEMATSU ELECTRONICS LTD.
AM103 Kanematsu KGK Corp.
AM101 KEYENCE CORPORATION
AM135 KEYENCE CORPORATION
AM103* KOCEL JAPAN Co.,Ltd.
AM107 Kurimoto Co., Ltd.

L

AM151-3 Lumafield

M

AM103* MAEDA SHELL SERVICE CO.,LTD
AM110 Marubeni Information Systems.co.,Ltd
AM103* Marubishi Seisakujyo Co., Ltd
AM115 Matsuura Machinery Corporation
AM130 Matsuzawa Machinery Corporation
S2002 Mitsubishi Electric Corporation
AM103* MST Corporation

N

AM132 NIDEC MACHINE TOOL CORPORATION
AM103* Nihonseiki Co., LTD
AM103* Nikuni Co.,Ltd.
AM138 nippon light metal co., ltd.
AM148 Noga Waters Ltd.

O

AM103* OGUSU CO.,LTD
AM134 OPEN MIND Technologies Japan K.K.

P

AM151-2 PanOptimization LLC
AM103* PATLITE Corporation

Q

AM143 Q-ho Metal Works

S

AM127 SAKURAI LTD.
AM108 SEA FORCE CO.
AM150 ShareLab
AM103* SHIMADA Machine tool Drives Co., Ltd
AM106* SHOHO IRONWORKS CO.,LTD.
AM144 SK Additive Innovation Co., Ltd.
AM133 SK Fine Co.,Ltd.
AM103* SOGYO Co., Ltd.
AM119 SUGINO MACHINE LIMITED

T

AM112 TAIYO NIPPON SANSO CORPORATION
AM152 Technology Research Association for Future Additive Manufacturing
AM122 TKE Co.,Ltd.
AM106* TOKAI KYOHAN CO.,LTD.
AM103* TOKAI SOFT CO., LTD.
AM125 Tokoshie Inc.
AM102 Tokyo Metropolitan Industrial Technology Research Institute
AM141 Tokyo Metropolitan Small and Medium Enterprise Support Center

V

AM129 Value Finder Co.,Ltd.

W

AM103* Watachukikai Corp.
AM103* Wilhelm Blessing GmbH & Co. KG

Y

AM120 Yamaichi Precision Tools (Anhui) Co.,Ltd.
AM103* YAMAMOTO METAL TECHNOS CO., LTD.

(*) Co-Exhibitor (**) Represented Company
alphabetical order

Our Latest CNC, Servo System and Digital Twin

Brand new CNC that fulfills new market demands



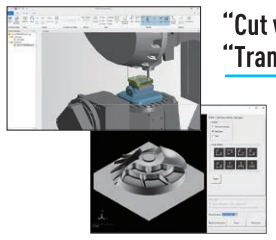
FANUC Series 500*i*-A

New generation servo system with higher speed, higher precision and enhanced energy efficiency



α *i*-D series SERVO

"Cut with Confidence"
"Transform the Workflow"



FANUC Smart Digital Twin

Labor Shortage Problems Solved with FANUC Robots!

THE ROBOT AWARD 第11回ロボット大賞 Winner of the 11th Robot Award of the Ministry of Economy, Trade and Industry Minister's Award

High rigidity robot capable of full-scale high accuracy machining

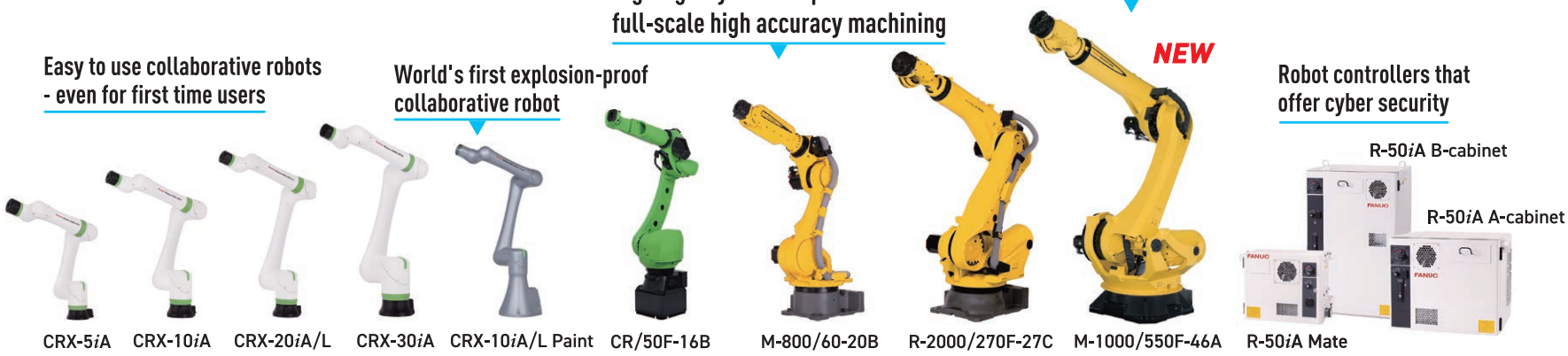
Latest large size robot with high payload and long reach

NEW

Easy to use collaborative robots - even for first time users

World's first explosion-proof collaborative robot

Robot controllers that offer cyber security



CRX-5*i*A | CRX-10*i*A | CRX-20*i*A/L | CRX-30*i*A | CRX-10*i*A/L Paint | CR/50F-16B | M-800/60-20B | R-2000/270F-27C | M-1000/550F-46A | R-50*i*A Mate

R-50*i*A B-cabinet

R-50*i*A A-cabinet

Robomachines that Contribute to Improvements in Automation and Productivity



ROBODRILL
α-D*i*B Plus series



ROBOSHOT
α-S*i*B series



ROBOCUT
α-C*i*C series

IoT Analyzes Factory Data, Paving the Way for Improvements



FIELD system Basic Package

By collecting, analyzing and using the data in factories, problems and their solutions are identified, enhancing productivity.

FANUC's Service for "Non-Stop Production"

Service First

Conforming to the spirit of "Service First," FANUC provides lifetime maintenance of its products for as long as they are used by customers, through more than 270 service locations supporting more than 100 countries throughout the world.

生涯保守

Assists achieving a high operating rate for customers around the world.

Introducing Innovation and Reassurance to Manufacturing Sites Worldwide

FANUC strives to create a factory that never stops

FANUC

Service First

one innovation fe・robot・robomachine FANUC

Reliable
Predictable
Easy to Repair

FANUC

Details on JIMTOF2024 official website:

JIMTOF 2024
November 5 (Tue.) - November 10 (Sun.), 2024

Place: Tokyo Big Sight
South Exhibition Hall 2, No. S2001

Inquiries on FANUC products:

East 東

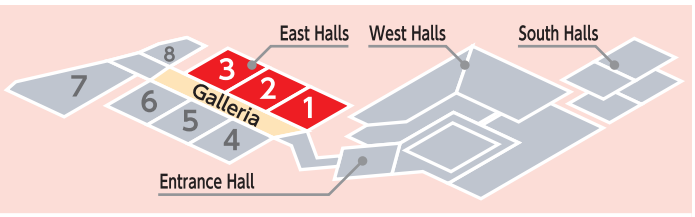
East Hall 1・2・3

Metal cutting machine tools / Metal forming machine tools / Other associated machinery and equipment



No Photography in halls
No Smoking on site

Location Map



East Hall 1

YKT E2008
AMADA E1072
BLESS E1067
Fladder Danmark E1066
MARUKA FURUSATO E1025
Nakaseiki E1024
HSG LASER E1068
NAKANIHON-RO KOGYO E1063 E1064
cgk E1065
Guangdong Longxin Laser Intelligent Equipment
SOCO Machinery E1031
HIRO CHIKU E1030
Honma Precision Metalworking E1026
Blue Star R&D E1019
Mamezpu E1020
Nanjing Prima CNC Machinery E1023
Jiangyin Aupu Machinery E1070
HEICO E1069
FUJIKIKO E1071
FABACE E1062
fuji shoji E1033 E1032
Itaca Japan E1034
DURMAZLAR MAKINA SAN VE TIC
ST-LINK E1028
WUHAN NEWWISH TECHNOLOGY
Max photonics E1029 E1027
FUNASAW E1017
R-GOT E1021
Jumbo Taxi Stand
FREE!
East 東 Hall 1
NK WORKS E2009
Zhejiang Xinxing Tools E2011
KANTO BUSSAN E2010
Esco E2006
Sanpo Seiki E2007
TOYO E2005
United Grinding Group Management E1089
EURO TECHNO E1088
Bystronic Japan E1073
Opton E1075
SHIBUYA CORPORATION E1074
FREEBEAR CORPORATION E1061
Tokyo seimitu hatujyou E1060
OHMINE INDUSTRY E1059
koyo giken E1058
Komori Safety Device Laboratory
NUMALLIANCE E1057 E1056
Authentec E1055
TRUMPF E1038
E-PLAN E1035
Horitec E1036
ALPHA LASER JAPAN E1037
ASTEC E1015
Chemic E1016
Kensaku kenma E1014
WIKUS-Sägenfabrik, Wilh. H. Kullmann E1013
TOKYO SEIKI KOSAKUSHO E2012
Vollmer Japan E2013
WAIDA MFG. E2018
ISHII HYOKI E2014
SEIJO KOGYO E2015
TANI GAWA E2016
Wuhan Raycus Fiber Laser Technologies E2017
SCHUNK Intec E2004
Reishauer E2003
Seiko Instruments E1087
TOKYO TAPPING MACHINE E1086
IMAHASHI MFG. E1085
EBA KOGYO E1084
KITAI SANGYO E1083
KLINGELNBERG Japan E1081
MARUEI MACHINE WORKS E1082
ALPSTOOL E1080
Sanwa Robotics E1077
IKURASEIKI E1076
NAGASE INTEGREX E1078
IWAMA E1054
KIRA CORPORATION E1052
YOSHIKAWA IRON WORKS E1053
SANSHIN E1039
Takashima Sangyo E1040
MATSUDA SEIKI E1042
SHINKO MFG. E1041
Hann Kuen Machinery& Hardware E1011
Gutenberg E1012
Kyouwa Oil Lubricants E1009
Wuhan Heavy Duty Machine Tool Group E1010
TOYO KENMAZAI KOGYO E1008
Kondo Seisakusho E1050
IRINO E1051
IRINO KIKO
Makino Seiki E1049
Tohshin Technical E1043
HASEGAWA MACHINE WORKS E1044
Nagel Aoba Precision E1046
Nissin Manufacturing E1045
Heiwa Technica E1006
FUJIMOTO YUKA E1007
SANWA KOUYU E1004
YUSHIRO CHEMICAL INDUSTRY E1005
Kuroda Precision Industries E2001
GF Machining Solutions E2002
SUGINO MACHINE E1079
TAKAHASHI MACHINERY E1048
KITAMURA MACHINE WORKS E1047
MECTRON E1001
Fuji Honing Industrial E1002
MICRON MACHINERY E1003
(2F)
Japan Forming Machinery Association
Japan Precision Machine Association
N





East Hall 4•5•6

Metal cutting machine tools / Controller and related software (CAD/CAM, etc.) / Other associated machinery and equipment

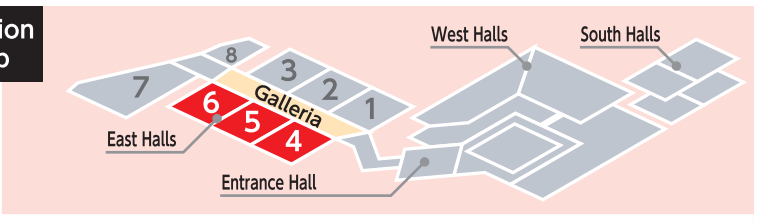






No Photography in halls
No Smoking on site

Location Map



Galleria (1F)

YAMAZAKI MAZAK E5001
KITAMURA MACHINERY E4044
Beiping Machine (Zhejiang) E4001
TechnoCoat E4002
TOYO SEIKI KOGYO E4004
ENEOS E4007
GROB Japan E4006
E4005
Weihai Huadong Automation
Taiwan External Trade Development Council
TAIWAN EXTERNAL TRADE DEVELOPMENT COUNCIL (TAITRA) E4003
E4003-1 JOEN LIH MACHINERY
E4003-2 GRINTIMATE PRECISION INDUSTRY
E4003-3 CHIEN WEI PRECISE TECHNOLOGY
E4003-4 Tongtai Machine & Tool
E4003-5 HAN JIE MACHINERY
E4003-6 RONG JHEN TECHNOLOGY
E4003-7 YONG JU PRECISION TECHNOLOGY
E4003-8 TIAN FENG HYDRAULIC
E4003-9 TAITRA
Japan speed shore E4045
SOFIX E4046
HOWA MACHINERY E4043
heian corporation E4008
Mikron Switzerland E4009
Tokyo Engineering E4010
FUJI -DENSHI E4012
ANCA Machine Tools Japan E4011
WINTECH E4013
CHUNG PU LASER E4014
Siemens E5008
FACT E5006
IMPROBE E5007
Nihon-ALSYS E5002
Data Design E4056
WinTool E5003
SAEILO JAPAN E4055
GENIO Solutions
C&G SYSTEMS E4048
TERAL E4047
HORKOS E4049
ZHEJIANG MEIRI INTELLIGENT MACHINERY E4042
SEIWA G-TEC E4041
Sawairi Engineering E4039
LIEBHERR
Liebherr-Verzahntechnik E4040
NIIGATA MACHINE TECHNO E5011
Autodesk E5009
PALMARY MACHINERY E5010
OPEN MIND Technologies japan E5004
E4053
Ai solutions E4054
NAGASHIMA SEIKO E5005
MIROKU Machine Tool E4052
HAKUSAN KIKO E4038
Exstream E4037
SAEILO ASIANET E4036
YANGZHOU DEVELOPPING IMP&EXP E4035
Shenzhen JPT Opto-Electronics E4034
Sodick E4015
PALMARY
コマツ NTC
Komatsu NTC E5012
SHIN NIPPON KOKI E4051
IKEGAI E4050
NACHI-FUJIKOSHI E4033
Jinan Bodor CNC Machine E4028
LIOUY HSING E4029
KOWA MACHINERY E4027
GWEIKE TECH E4024
SENJO SEIKI E4026
NITTO POLYGON E4025
Foshan Huibaisheng Laser Technology E4020
SAMURAI SAW WORKS E4022
Comnet E4021
SOMAX E4019
Cogentech International
CHING TAI COG MACHINE E4032
E4031
Laser Technical Service E4030
MCK E4023
East Hall 4
N

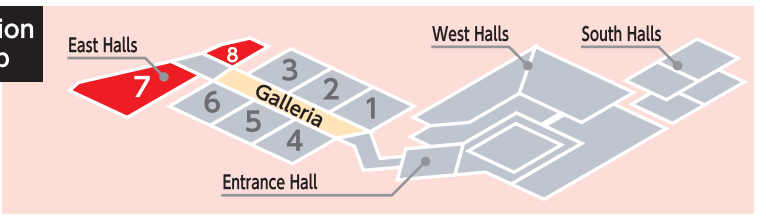
TAIWAN
SMART MANUFACTURING
未来へ受け継ぐ
台湾のモノづくり
イベント連日開催!
～台湾の“おもてなし”をあなたに～
東4ホール(East4Hall)
E4003-9
International Trade Administration
Taiwan External Trade Development Council
PIDC
Ad. by TIDA

JIMTOF 2024
East 4 Hall
E4011
FX ULTRA
PREMIUM
PERFORMANCE
CUTTING TOOLS
ANCA Machine Tools
Japan
50 ANCA
YEARS OF INNOVATION

East 東

East Hall 7・8

Location Map



Metal cutting machine tools

Precision measuring machines and instruments / Optical measuring instruments / Testing machinery / Controller and related software (CAD/CAM, etc.) / Other associated machinery and equipment

Jumbo Taxi Touring the Venue

East Halls, East Hall 1 → To West & South Halls 4F Rooftop → To South Halls 1F, South Hall 1

10:00～17:00

* The bus will take a different route between 8:30 and 10:00 (see "route map" on Page 2 for details)
* The bus runs until 16:00 on the last day of the fair

Shuttle Bus

East Halls, East Hall 7 → To South Halls 2F, South Hall 2 → To Rinkai Line Kokusai-Tenjijo Station

11:00～17:15

* The bus will take a different route between 8:30 and 11:00, and between 17:15 and 18:00 (see "route map" on Page 2 for details)
* The bus runs until 16:00 on the last day of the fair

East Hall 8

DMG MORI
DMGMORI
DMG MORI Precision Boring
E8004
TAIYO KOKI
E8003
FUCHS JAPAN E8002
DMGMORI
E8001
E8001

Link space

East 東 To East Hall 1-6

JIMTOF FOOD FESTIVAL

Shuttle Bus Stop

FREE!

East 東 Hall 7

TOYO E7124
NIIGATA RIKEN SEIKOHAN E7125
HME E7126
Ortery E7127
Champ Casting Industry E7115
TECLOCK E7114
Magnescale E7113
OBISHIKEIKI SEISAKUSHO E7112
DAI-ICH SOKUHAN WORKS E7017
OJIYA SEIKI E7016
TPR OSAKA SEIMITSU KIKAI E7018
E7019
YAMAMOTO SCIENTIFIC TOOL LABORATORY
SOKU HANSHA E7015
KOMATANI GAUGE E7014
Japan Precision Measuring Instruments Manufacturers Association
Ametek E7012
E7013
JAPAN GAUGE E7001
Watanabe Seimitsu Industries E7002
umati (c/o VDW-Forschungsinstitut e.V.) E7128
YAMAGUCHI SANGYO E7129
Hexagon Metrology E7116
Any Design E7118
E7117
Panasonic Factory Solutions Sales & Engineering Japan
EURO TECHNO E7111
Nakamura MFG. E7110
NAGAHAMA SEISAKUSHO E7021
FUJI TOOL E7020
CKB E7022
Vectrix E7023
Mahr Japan E7011
TOKYO BOEKI TECHNO-SYSTEM E7010
DIATEST JAPAN E7003
Kistler Japan E7004
Sangen E7005
FARO Japan E7119
Metrotec E7120
SIGMA ELECTRONICS E7109
UNIPULSE E7108
Volume Graphics E7024
Wintech Automation E7025
AWA SPINDLE E7009
Fagor Automation Japan E7008
TACC E7130
Mitutoyo E7131
Trioptics Japan E7122
SPI ENGINERING E7121
HEIDENHAIN E7123
MARPOSS E7107
RENISHAW E7026
OZAKI MFG. E7007
Niigata Seiki E7006
NITTO KOGYO E7151
Harbin Pioneer M&E Technical Development E7150
ASANUMA GIKEN E7149
Blum-Novotest E7132
EISEN E7106
ATAGO E7104
MITAKA KOHKI E7105
OTSUKA OPTICS E7103
CORETECH E7075
EVIDENT
THANKO E7076
E7074
CHUO PRECISION INDUSTRIAL E7077
Kosaka Laboratory E7078
NIKON E7073
TOKYO SEIMITSU E7027
SHINING 3D Tech E7148
TAJIMA LIGHT METAL E7147
Nichiko Equipment E7146
WINTECH E7145
Guilin Gemred Sensor Technology
Opto Science E7134
Adcole LLC/ Adcole Far East E7133
Physix Technology E7136
Hirox E7138
Changchun Rongde Optics E7137
Hangzhou Deepvision Technology
Nippon Vision Engineering E7100
Shoraku E7102
E7101
NIKKO TECNO E7099
SOL E7098
AKATSUKI MFG. E7097
ALFA MIRAGE E7080
Pulstec Industrial E7079
Santec Japan E7081
itp E7082
Maruheni Information Systems E7085
Innovalia Metrology E7083
SAITOH KOUGAKU E7084
SHAN DONG NANO ADVANCED MATERIALS TECHNOLOGY
Kan Mechanical Industry E7072
Three R Solution E7071
E7070
MORSON JAPAN E7068
HARTING E7069
HIRAOKA HYPER TOOLS E7067
Polytec Japan E7050
Muratec Frontier E7049
Masterlink E7052
Nihon Tsukuridas E7051
TAKEBISHI E7053
Takumi Engineering E7054
JOHOKU CHEMICAL E7048
GRAVO TECH E7046
CADDi E7047
Shinano Kenshi E7045
TOCHO MARKING SYSTEMS E7043
Tornex E7044
Kintsune Seiki E7028
Jeil Mtech E7029
NIPPON MECHA CHEMICAL E7030
Isamu Paint E7144
KÄRCHER (JAPAN) E7143
P&C E7140
Nango E7139
Fuji Manufacturing E7142
FUJIKIHAN E7141
METROL E7094
Hanyang Filters and Engineering E7096
Showa-industory E7095
KYOEI ELECTRIC E7086
MOTHER TOOL E7087
AKIYAMA SEIKO E7089
Cognex E7088
SCHMERSAL JAPAN E7066
OPC Foundation Japan E7065
K.MECS Automation E7063
E7064
Leading Intelligent Equipment (Qingdao) Group
ifm efector E7058
GODO SOLUTION E7055
Universal Robots E7056
Seibu Shoko E7057
SaiSi Machine & Electric (Zhejiang)
Fact Base E7041
MITSUBOSHI MFG E7042
Fuji AI Precision E7040
E7039
KMKWORLD E7037
Eishin International E7038
Otennlux Lighting Technology E7031
THE CREO E7032
Amano E7033
YUAN JUN FONG CASTING E7093
AQUA CHEMICAL E7092
PETROPLAN E7091
ACO JAPAN E7090
ACS E7062
EUCHNER E7060
E7061
LANTEK SHEET METAL SOLUTIONS
keyence E7059
NATOCO E7036
SANKEI MANUFACTURING E7035
TSUKUBA ENGINEERING E7034

N

East Hall 7

JIMTOF FOOD FESTIVAL East 東

Food festival will be held outside the East Exhibition Hall and in the East Hall 7. A wide variety of dishes will be provided throughout the venue.
Open 10:00 - 18:00 (Last day until 14:00)

JIMTOF Café South 南

There is a cafe corner in the South Hall 2. Drinks and snacks will be provided. Available before fair opening hours.
Open 8:30 - 17:00 (Last day until 14:00)




JIMTOF FOOD FESTIVAL Japanese Local Gourmet West 西

At the "JIMTOF Food Festival" on the west rooftop exhibition area, local gourmet food from all over Japan will gather.
Please enjoy it.
Open 9:00 - 17:00 (Last day until 14:00)


Miyagi


Akita


Saitama


Kanagawa


Osaka


Nagasaki


Miyazaki


Okinawa

YKT 100 100th ANNIVERSARY
ogp

マルチセンサ三次元測定機の
ベストセラーモデル
「オージーピー スマートスコープ」

今年は東2ホールに出展します

小間番号 東2ホール E2008
東2ホール入口直進つきあたり

初公開機2台を含む
計7機種を実機展示予定！



コマツNTC株式会社
東5ホール E5012

未来創造 Integrated Technologies

立形大型加工機 KV420L
■ギガキャスティングワーク加工対応

横形5軸マシニングセンタ CX500
■高精度・安心・フレンドリー・システムアップ



営業本部本社営業部 TEL 0763-22-1391
コマツ NTC 株式会社

西 2 ホール (West 2 Hall) W2042

▌ドイツ 高速 5 軸門形マシニングセンタ
▌ドイツ AR（拡張現実）品質検査ソフト
▌ドイツ 世界初 揺動ジェットノズル
▌レーザーユニット搭載 NC フライス盤
▌高速外観検査装置



株式会社 トミタ

東5ホール(East 5Hall)E5010

PALMARY
PALMARY

. Centerless Grinder
. Cylindical Grinder
. Internal Grinder
. Vertical Grinder

Gear Cutting Machines
Gear Measuring Device

East Hall 4 – Booth: E4040
www.liebherr.com

LIEBHERR

Gear technology



振動・レベル・圧力・温度・流量・RFID etc. ノーコード IIoT プラットフォーム
センサラインナップ + moneo

装置状態の
見える化!!

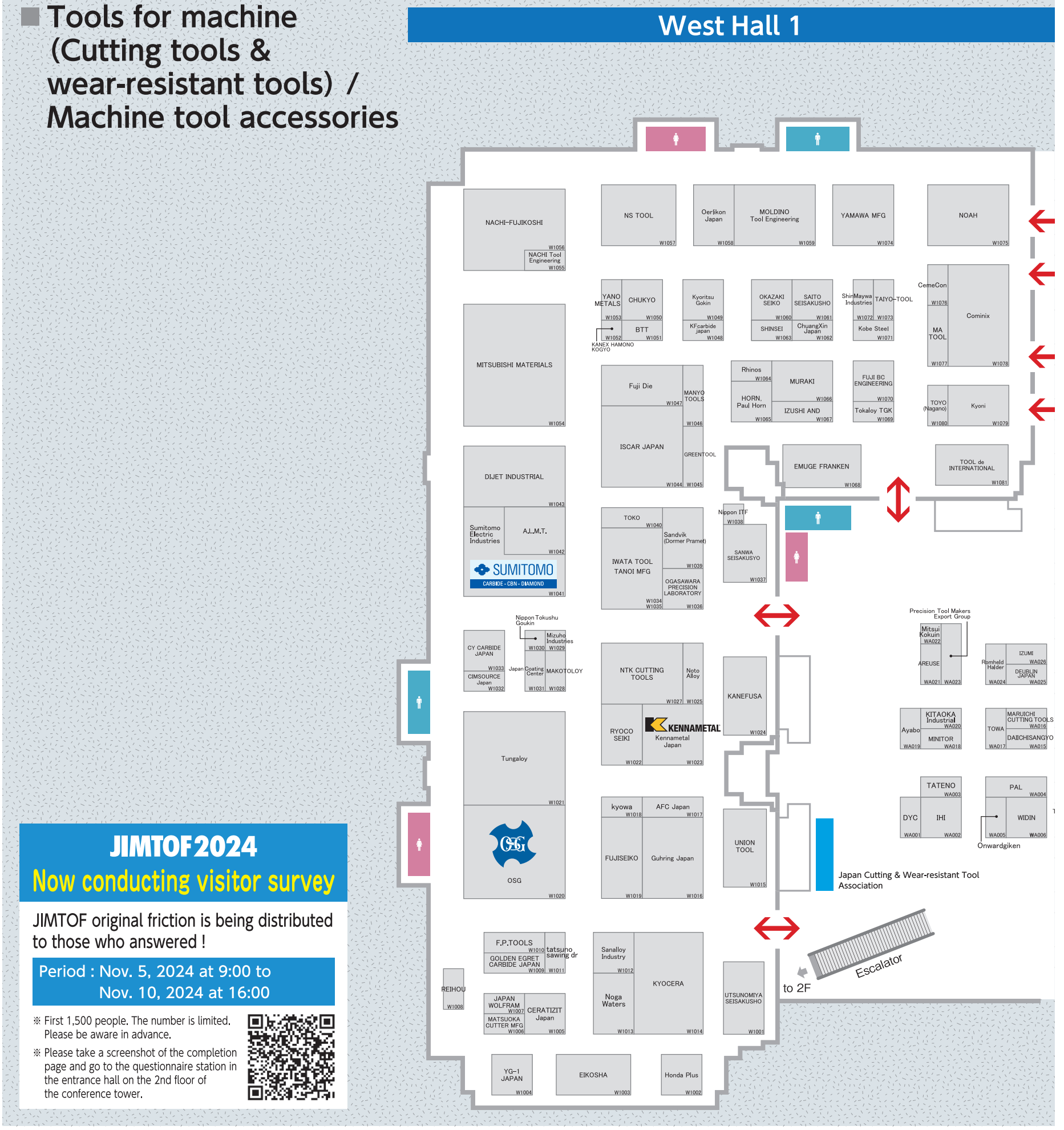


東 7 ホール
E7058
ifm efector 株式会社

West

West Hall 1・2

Tools for machine (Cutting tools & wear-resistant tools) / Machine tool accessories



JIMTOF2024
Now conducting visitor survey

JIMTOF original friction is being distributed to those who answered !

Period : Nov. 5, 2024 at 9:00 to Nov. 10, 2024 at 16:00

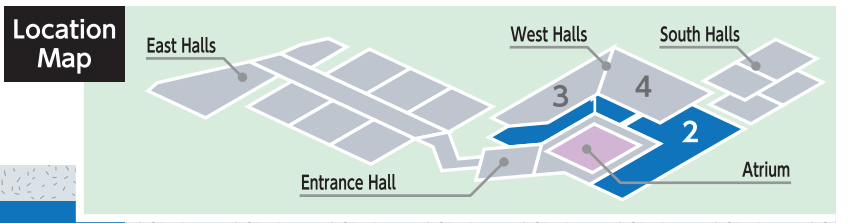
※ First 1,500 people. The number is limited. Please be aware in advance.

※ Please take a screenshot of the completion page and go to the questionnaire station in the entrance hall on the 2nd floor of the conference tower.

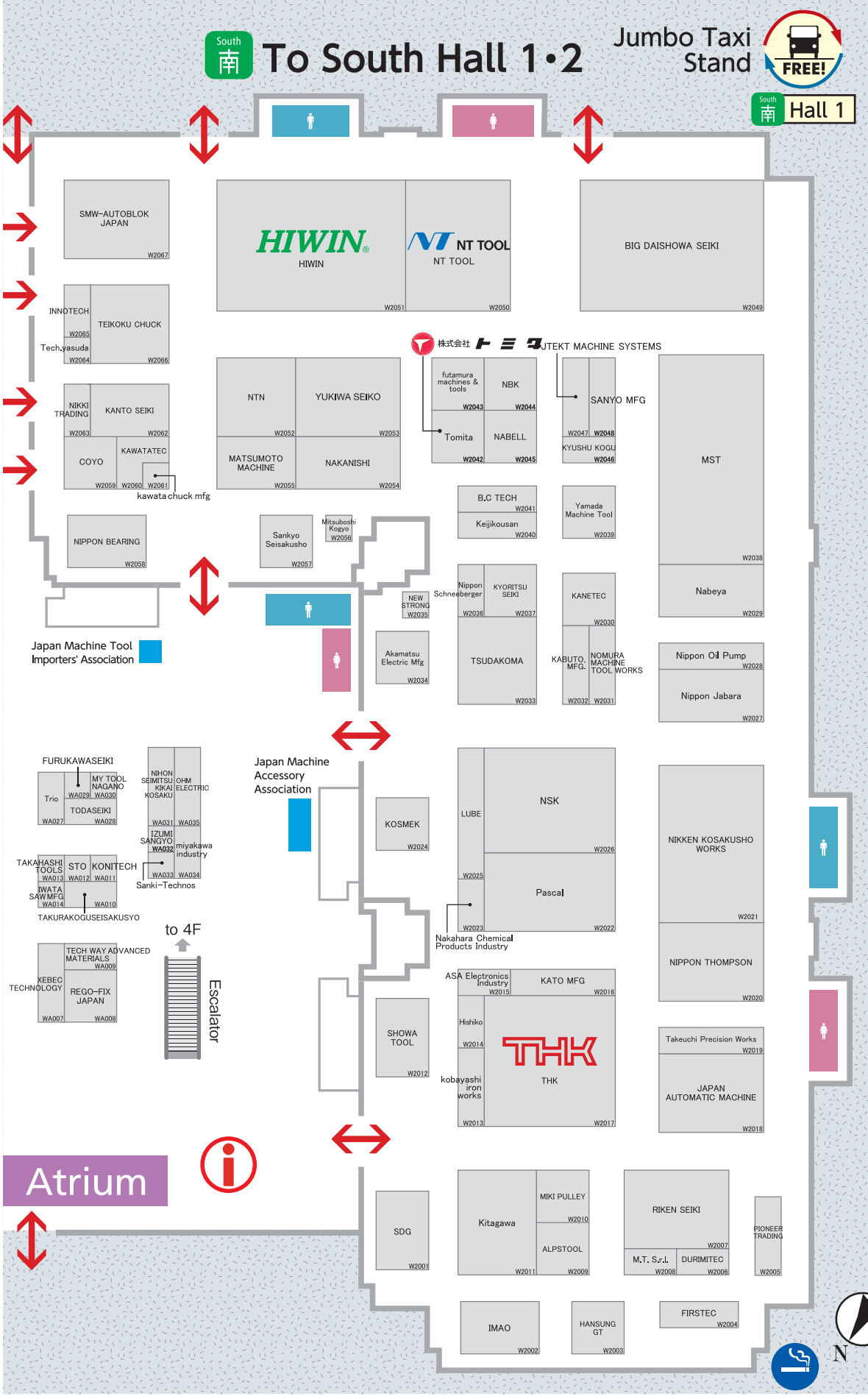
西1ホール W1041

SUMITOMO
CARBIDE - CBN - DIAMOND
Global Support, Global Solutions.
住友電気工業株式会社

Boost Master
for Multi-task Lathes
Ideal for dealing with chips on multi-task lathes!
NEW
Coolant pressure is boosted to Max 15MPa and discharged to prevent chips from wrapping around the workpiece!
BMAL
NT TOOL CORPORATION
WEB www.nttool.com TEL 0120-04-0102
E-Mail technomail@nttool.co.jp
JIMTOF2024
WEST 2Hall W2050



West Hall 2



Attractions

JIMTOF INSIGHTS

YouTube channel empowering Japanese craftmanship!

Covering a wide range of themes with a focus on the machine tools industry. Video contents share the appeal of production!

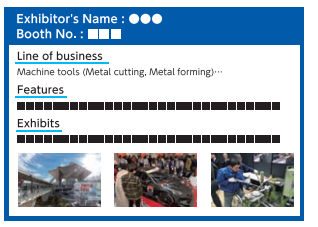


YouTube channel
JIMTOF INSIGHTS

Online Catalog

For information collection before and after

A lot of information is available about the highlights of each exhibitor and their latest products. You can search for products and exhibitors by keyword or exhibits category.



https://www.jimtof.org/en/exhi_search_pronoun

Online Channel

Limited-time recommendation video: Don't miss it!

Exhibitors provide webinars and product introduction videos. Anyone can watch these videos on the JIMTOF official website even without registration.



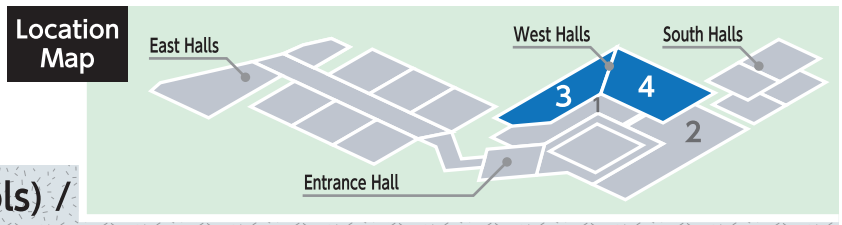
Available from Oct. 1 (Tue.) to Nov. 29 (Fri.)

OSG
GREEN TAP
High Performance & Low-carbon Forming Tap GRT
Please stop by our booth and see firsthand why this tap is making waves in the industry!
JIMTOF 2024 WEST HALL 1 W1020
OSG Corporation
www.osg.co.jp
NEW

HIWIN 25
西2ホール W2051
WE'RE STEPPING UP!
Eco Solutions for Green
持続可能なものづくりを支援
出展詳細

West

West Hall 3・4



- Tools for machines (Cutting tools & Wear-resistant tools) / Machine tool accessories
- Gear and Gear devices / Oil hydraulic, Water hydraulic and pneumatic machinery / Grinding wheels and abrasives / Diamond, CBN tools
- Other associated machinery and equipment

FREE!

Jumbo Taxi Stand — West & South Halls 4F Rooftop

West Hall 4

West Hall 3

Taiwan External Trade Development Council
TAIWAN EXTERNAL TRADE DEVELOPMENT COUNCIL (TAITRA)
W4083-1 THETA PRECISION
W4083-2 HWE DER MACHINERY AND HARDWARE
W4083-3 SHIN-YAIN INDUSTRIAL
W4083-4 WINSON MACHINERY
W4083-5 DI KU DIAMOND ENTERPRISES
W4083-6 CHENG FENG CASTING FACTORY
W4083-7 VERNAL MANUFACTURING & ENGINEERING
W4083-8 CHAIN HEADWAY
W4083-9 SAFEWAY MACHINERY INDUSTRY
W4083-10 IKEHARA
W4083-11 ECHAINTOOL PRECISION
W4083-12 TANKO ENTERPRISE
W4083-13 YIH TROUN ENTERPRISE
W4083-14 Derstrong Enterprise
W4083-15 SANJET INTERNATIONAL
W4083-16 HER BERT ENTERPRISE
W4083-17 SUPER AIR COMPRESSOR TECHNOLOGY
W4083-18 TAITRA
W4083

Shell Lubricants Japan W4056
NUNOME ELECTRIC W4043
KAIFENG BESCO SUPERABRASIVES W4026
State Industry W4007
Fuqing RongMa Grinding Wheel
SISA ABRASIVES W4027 W4028
Nitolex W4029
A.L.M.T. W4025
IDEC W4008
Osaka Seikan W4006
ILJIN JAPAN W4009
Fuji Industries W4010
Cosmotech W4005
Xiamen Chiaping Diamond Industrial W4011
JTEKT GRINDING TOOLS W4014
Zhongye Superhard Material W4012
W4013
deta International W4004
FUNIK ULTRAHARD MATERIAL
SEA SHORE DIAMOND INDUSTRIAL
NIPPONDIAMOND W4015
HENAN BELLO NEW MATERIAL W4016 W4017
Asahi Diamond Industrial W4018
create engineering W4003
MAEDA SHELL SERVICE W4076
Showa W4082
Sumitomo Precision Products W4077
AQUA SYSTEM W4074
Kawamoto Pump Mfg. W4072
PASCAL SYS&ENG. W4073
MATSUI W4071
SAKAGAMI SEISAKUSHO W4070
King Shang Yuan Machinery W4065
SANKO W4064
NIHON PISCO W4066
idemitsu kosan W4063
SMC W4057
Camel Precision W4055
WALRUS PUMP W4054
Triple R W4053
Yanase W4045
Atsuchi Tekko W4044
Tipton W4046
SHINANO KIHAN W4042
SOWA W4041
MITSUI GRINDING WHEEL W4040
LUOYANG RUNBAO SUPER ABRASIVES
Beijing Grish Hitech
TEIKEN W4047
Fuqing Rihon Abrasives W4048
MIZUHO W4050
KURE GRINDING WHEEL W4039
SANWA SHOKO W4038
Daiwa Rabin W4037
FSK W4030
Yuko W4034
Sumflex W4031
RESITON W4033
NEWREGISTON W4032
TAKAKURA KOHGYO W4023
NANIWA TOISHI W4022
TACS W4021
NORITAKE W4024
KOHARA GEAR INDUSTRY W4081
Azbil TA W4078
SANWA ENTERPRISE W4079
Techno Dynamics W4080
Nitto Kohki W4069
SEOAM MACHINERY INDUSTRY. W4068
HYDAC W4067
ASK W4062
ARYUNG MACHINERY IND. W4061
DAIKIN INDUSTRIES W4058
Brinkmann Pumps, K.H. Brinkmann W4059
CKD W4052
TAISEI KOGYO W4051
Nikuni W4060
ICHIGUCHI W4036
TENRYU SAW MFG. W4020
INTERNATIONAL DIAMOND W4019
GLOBAL DIAMOND W4001
ARAI SHOKAI W4002
Marubeni Ele-Next W3111
NISSEI W3110
RIX W3112
Central Japan Parts Processing Association W3113
Jiangsu Swift Machinery Technology W3109
Tokyo Technical Instruments W3114
KYOUIKU GEAR MFG. W3108
Yuan Yi Chang (YYC) Machinery W3107
German Tech Precision Manufacturing W3115
Shandong Shanneng Precision Machinery W3106
YEU LIAN ELECTRONICS W3105
Jiachen Precision W3096
WILHELM KOENIG MTM W3095
BUNRI W3097
JINAN XINLEI PRECISION MACHINERY W3099
KOWA EMTECH W3098
JETON R/D & MFG W3094
AUTOCAM TECHNOLOGY W3100
KEYARROW (TAIWAN) W3093
DTR W3101
KAMO SEIKO W3102
JFLO MACHINE TOOL ACCESSORIES W3092
Suzhou Huajede Manufacturing W3091
detron Precision NC Rotary Table
detron Machine W3103
HOSEA PRECISION W3090
YODOGAWA ELECTRIC TOOL MFG W3104
Japan Fluid Power Association
Japan Gear Manufacturers Association
Japan Grinding Wheel Association
Industrial Diamond Association of JAPAN
IL JIN TOOL TECH W3084
Clavis Japan W3083
Silver Alloy W3085
CHINA TAIZHOU SHAOSHI TOOLS
RI HSIUNG PRECISION TECH W3081
W3082
ACCU-CUT INDUSTRIAL W3080
W3079
Shenyang Wemust Saws Industrial
CORTOOL MANUFACTURING GROUP W3086
ZHENGZHOU ZZDM SUPERABRASIVES W3087
GUANGDONG HUASHENG NANOTECHNOLOGY W3078
Henan E-Grind Abrasives W3077
HABOR PRECISION W3088
CHAMPDIA W3076
SAKUSAKU W3074
Meister W3075
GuangDong DaoFu Precision Technology
PARKSON WU INDUSTRIAL W3089
KOBAYASHI DIA W3073
W3070
Zhuzhou Cemented Carbide Works Imp.& Exp.
Liaocheng Super New Material W3069
Chengdu Metcera Advanced Materials W3068
W3072
W3071
Zhuzhou Huarui Precision Cutting Tools
DKSH Market Expansion Services Japan W3060
TANITEC W3061
RESMO TOOL W3059
Ganzhou Grandsea Cemented Carbide W3058
FUJIGEN KOGYO W3056
SPEED TIGER PRECISION TECHNOLOGY W3057
BICTOOL JAPAN W3062
TnC SHARK W3063
HICUT W3055
Kexian Precision Tools (Zhejiang) W3054
Shareate Tools W3053
YU WEI INDUSTRIAL W3064
Henan Lerui Powerise Tools W3052
Adachi Sogyo W3065
OKASUGI W3051
soneda kougyou W3066
THE KIICHI TOOLS W3067
daido kogyo W3050
FUKUDA SEIKO W3049
Asahi Shoko W3048
ZHENGZHOU ZHONGNAN JETE SUPERABRASIVES
SHENZHEN YUBAO DIAMOND TOOLS W3037
Zhuzhou Kerno Advanced Materials W3039
SOWA SYSTEM W3040
HONSBERG METALLSAEGEN W3036
OKE PRECISION CUTTING TOOLS W3035
IND-SPHINX PRECISION W3041
GEMtool W3042
HG TECHNOLOGY W3034
W3033
ZUOREN CUTTING TOOLS (SHANGHAI)
XIAMEN HJ CARBIDE TECHNOLOGY W3043
INCOS W3044
UNION MATERIALS W3032
VESSEL W3031
INPLUS W3045
Cyber RC W3046
HUNAN BOYUN-DONGFANG POWDER METALLURGY W3030
CHN-TOP SCI & TECH W3047
Escalator
to 1F
Escalator
to 2F
To South Hall 3・4
JIMTOF FOOD FESTIVAL
Japanese Local Gourmet
Carmex Precision Tools W3022
TOYOX W3021
Quoheng Tools System (Wuxi) W3020
Shanghai Hezuan Technology W3019
Zhejang Zhiguang Precision Tools W3005
Tarfilm Hi-tech W3006
Fodbits (Weihai) Precision Technology
TOKYO AUTOMACH W3024
Cresstech W3025
HeYe Special Steel W3023
W3026
Da Shiang Automation Industrial W3017
W3018
DONGGUAN ZHONGJI RONGYAO METAL CUTTING TOOLS W3008
Changzhou North Carbide Tool W3007
ZHEJIANG GEM-CHUN PRECISION INDUSTRY
DHF Precision Tool W3027
Zhengzhou Sinor-Crystal Diamond W3028
KAMIYA SAW & KNIFE Mfg. W3016
Kohsei W3015
EST TOOLS W3009
W3010
Henan CA-Diamond Material
DONGGUAN MING ZE HARDWARE MACHINETY
ZHENGZHOU DIAMOND PRECISION MANUFACTURING W3029
W3014
Zhuzhou Kunrui (Carbide) W3013
ZHEJIANG YOUNIO TOOLS W3012
W3011
ZHEJIANG SHANGYOU TOOLS
STAR TOOL W3001
Sugatsune Kogyo W3004
ASAHI SHO-KO-SHA W3003
EIKO ELECTRIC INDUSTRIAL W3002
N



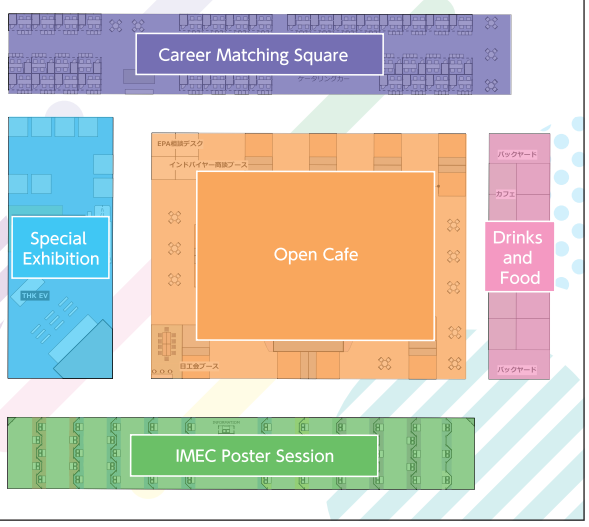




ACADEMIC AREA アカデミックエリア NEW

South 南 **South Hall 4**

Releases multi-angled information that will be instantly useful for job-hunting in the machine tool and manufacturing industries! Enjoy talks by industry leaders and YouTubers, experience manufacturing and many other types of content, as well as free drinks and food! If you are a student, go to the South Hall 4 now!!



IMEC2024 (The 20th International Machine Tool Engineers' Conference) Poster Session

"Poster session" is held in the South Hall 4 to present the results of research related to machine tools by universities and research institutes in Japan and overseas by poster format.

November 5 (Tue.) ～ November 10 (Sun.) ＊Personnel who give explanations from participating organizations are scheduled to be present from 9:00 to 12:00 on November 7 (Thu.) and 8 (Fri.) 9 (Sat.)

List of Participating Research / Themes

A Machine tool and elements

A-01 Precision Engineering Research Group, Sophia University
Friction reduction by microtextures with different area ratios on metal sliding surfaces

A-02 Yamada and Uchida Lab., College of Science & Technology, Nihon University
Effect of Workpiece Support Stiffness on Machining Accuracy in Cylindrical Grinding

A-03 Adachi Lab., Dept. of Mechanical Engineering, Chubu University
Systematic Research on Spindle Technology for Internal Grinding of Large-diameter Deep-hole Grinding

A-04 Sasahara Lab., Tokyo University of Agriculture and Technology
In process monitoring of machining operations

A-05 Manufacturing Lab., Dept. of Mechanical Engineering, The University of Tokyo
Thermal error compensation using large-scale temperature data

A-06 Tanabe Lab., Technical and Management Engineering, Sanjo City University
Development of a new FEM thermal deformation simulation technique for machine tools with enclosures and its application examples

A-07 Nakao Laboratory, Dept of Mechanical Engineering, Kanagawa University
Prediction of thermally induced axial displacement of servomotor using machine learning technique

B Machining technology and machining phenomena

B-01 Machine Tool Engineering Laboratory Endowed by OKUMA, Graduate School of Engineering, Nagoya University
Bead Shape Stabilization in Powder DED Considering Scanning Speed Fluctuations

B-02 Advanced Manufacturing Technology Institute (AMTI), Kanazawa University
Laser scan strategy for microtubule building with PBF-LB/M

B-03 Nontraditional Machining Lab., Graduate School of Environmental, Life, Natural Science and Technology, Okayama University
Surface Smoothing of Additively Manufactured Metal Products by Electron Beam Polishing

B-04 Manufacturing and Machine tool Lab., Graduate School of Science and Engineering, Saitama University
Material property control by directed energy deposition

B-05 Nagamatsu Lab., Dept. of Mechanical and Intelligent Systems Engineering, The University of Electro-Communications
Sasahara Lab., Dept. of Mechanical Systems Engineering, Tokyo University of Agriculture and Technology
Similar and Dissimilar Light Metal Depositions by Additive Manufacturing

B-06 Kakinuma Lab., Dept. of System Design Eng., Faculty of Science and Technology, Keio University
Thermal analysis of metal additive manufacturing and the application to coating technology

B-07 Ryo Koike Lab., Faculty of Science and Technology, Keio University
Development of high-speed coating with directed energy deposition

B-08 Shinozuka Lab., Div. of Systems Research, Yokohama National University
Simultaneous estimation of various kinds of tool wear from image of the chip back surface temperature by employing AI

B-09 Manufacturing Process Lab., Mechanical Engineering, Tokyo Denki University
Chip flow control in machining of holes with cutting simulation

B-10 Functional Surface Fabrication Lab., Dept. of Mechanical Engineering, Tokyo Denki University
Drilling of carbon fiber reinforced PEEK resin matrix composite material

B-11 Gotoh Lab., Dept.of Industrial Information Faculty of Industrial Technology, Tsukuba University of Technology
Grinding-Assisted Electrical Discharge Machining of CFRP

B-12 Machining Lab., Dept. of Mechanical Engineering, Meiji University
Study on machining efficiency of dry EDM of CFRP

B-13 Tomohisa Tanaka Lab., Dept. of Mechanical Engineering, Tokyo Institute of Technology
Development of a ball burnishing processing system applicable to curved thin plates

B-14 Ninomiya lab., Dept. of mechanical engineering, Nippon Institute of Technology
Development of conductive PCD rotary tools for use as discharge electrodes and grinding wheels

B-15 Okayama University, Faculty of Environmental, Life, Natural Science and Technology
Development of ball end mill tool life determination system using gradient boosting method

B-16 Production Technology Lab., Dept. of Mechanical Engineering, Setsunan University
Study on ball end milling of cemented carbide

B-17 Mizutani and Kuji Lab., Research Center for Green X-Tech, Green Goals Initiative, Tohoku University
Development of Innovative Machining Method by Microstructure Control of Amorphous Alloys

B-18 Chiba Advanced Technology & Science Lab., Chiba University
Study on crack propagation behavior and fracture surface morphology during wheel scribing of glass sheet

B-19 Precision machining and mechanism Lab., Nagaoka University of Technology
Development of special processing technology for generating functional surface and material

B-20 Enomoto-Sugihara Lab., Dept. of Mechanical Engineering, Osaka University
Exploring the role of the interface adhesion phenomena focusing on surface expansion distribution

B-21 Mechanics of Materials Lab., Dept. of Mechanical Systems Engineering, The University of Shiga Prefecture
Laser hardening and laser correction of deformation for thin steel plate

B-22 Ishida-Mizobuchi Lab., Tokushima University
Development of 3R grinding wheel using only polyvinyl alcohol bonding agent to zero emission of grinding wheel scraps

C Systems and control technology

C-01 Morishige Lab., Dept. of Mechanical and Intelligent Systems Engineering, The University of Electro-Communications
Configuration Space-Based Tool Path Generation for 5-Axis Controlled Machining with Variant Shape Tools

C-02 Advanced manufacturing systems Lab, Kobe University
Automated tool path generation with modification of workpiece deformation due to vice clamping

C-03 Nakamoto Lab., Dept. of Mechanical Systems Engineering, Tokyo University of Agriculture and Technology
Automatic Process Planning toward DX in Machining Based on Product Manufacturing Information

C-04 Manufacturing and Machine tool Lab., Graduate School of Science and Engineering, Saitama University
Intelligent planning method of NC machining process for new cutting technologies

C-05 Advanced Machining System Lab., Dept. of Mechanical Engineering, Meiji University
Trajectory Control of High-Precision Robot Machining considering Virtual Joints

C-06 Morimoto and hayashi Lab., Dpet. of Mechanical engineering, Kanazawa Institute of Technology
Development of digital twin system by VR

D Tools and tooling systems

D-01 Itoh Lab., Ibaraki University
Composite Stereolithography 3D Printer System Realizing High-Performance Grinding Wheel

D-02 Ultraprecision Machining Lab., Dept. of Mechanical Engineering, Chubu University
Effects of single-crystalline diamond quality on tool wear resistance and cutting performance

E Measurement and evaluation technology

E-01 National Institute of Technology, Sasebo College, Dept.of Control Engineering, Grinding Tools AI Evaluation Lab
Evaluation of grinding wheel surface morphology change

E-02 Murakami Lab, Department of Mechanical Systems Engineering, Faculty of Environmental Engineering,, The University of Kitakyushu
Advancement of machining and measurement technology using machine learning

E-03 Yoshioka Lab., Institute of Industrial Science, The University of Tokyo
Compensation of Workpiece Mounting Errors based on Measurement with 3D Scanner

E-04 Cyber Machining Group, Industrial Cyber-Physical Systems Research Center (ICPS), National Institute of Advanced Industrial Science and Technology (AIST)
Development of a Visual Wear Detection System for Gear Skiving Cutters

E-05 Precision Measurement and Machining Lab, Dept. of Micro Engineering, Kyoto University
Vision-based measurement of motion accuracy of machine tools

E-06 Advanced Micro Machining Lab., Dept. of Mechanical Engineering, Chubu University
Tool state estimation based on on-machine captured tool image

E-07 Digital Manufacturing Lab., School of Science and Engineering, Chuo University
Non-contact monitoring of cutting process using machining sound measurement

E-08 Micro and Nano Engineering Lab.(HASE Lab.), Graduate School of Engineering, Saitama Institute of Technology
Smart Condition Monitoring of Small Machine Tools by Dual AE Sensing

E-09 Saito Lab., College of Engineering, Nihon University
Measurement of angular indexing accuracy for 5-axis machining centers using touch trigger probe

E-10 PPSE Lab., Grad. of Integrated Science and Technology, Nagasaki University
Optical system for On-machine and In-line measurement

E-11 Nano Precision Machining Lab., Dept. of Advanced Machinery Engineering,Tokyo Denki University
Exploring the Next Generation of Manufacturing Technology using Nano-Precision Machining

E-12 Precision Lab. Osaka Institute of Technology
Simultaneous 5-axis Motion Test without CAM

E-13 Yanagihara lab., Dept. of Creative engg., National Institute of Technology, Ariake College.
Can in-process dynamics control in grinding provide innovation for grinding process?

F Production system and their components

F-01 Mechanical Design and Systems Laboratory, Graduate School of Advanced Science and Engineering, Hiroshima University
Accuracy improvement for robotic machining

F-02 Suwa Lab., Dept. of Mechanical Engineering, Setsunan University
Optimization Technology for Energy-Efficient Operations in Robotic Flexible Manufacturing Systems

Special Exhibits

S NIT Museum of Industrial Technology
NIT Museum of Industrial Technology -You can learn machine tools

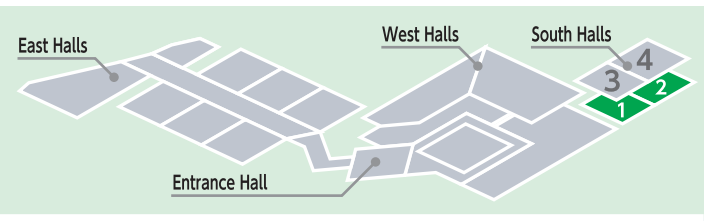




South 南

South Hall 1・2

Location Map



Metal cutting machine tools
Additive Manufacturing Area





Special Concurrent Exhibition

Additive Manufacturing Area in JIMTOF2024

South 南 South Hall 1F

Additive Manufacturing (AM) and 3D printing products market is regarded as a true growth business area, with its market size increasing year by year.
AM and 3D printing are also a captivating trend in machine tools industry, and is highly expected as an innovative technology in manufacture that enables reduction in the number of parts, shorter lead time and high-mix low-volume production.
In addition to exhibitions, presentations and seminars will also be held, and it will be a place where you can efficiently discover the latest AM-related products, cutting-edge technologies and solutions!



South Hall 2

Shuttle Bus Stop FREE!

South 南 Hall 2

JIMTOF Café

Mitsubishi Electric S2002

FANUC S2001

Escalator

stairs

Kanematsu KGK AM103

Brule Inc AM114

Matsuura Matsuura Machinery AM115

APPLE TREE AM140

HTL AM139

nippon light metal AM138

Tokyo Metropolitan Small and Medium Enterprise Support Center AM141

bestat AM142

Additive Manufacturing Area in JIMTOF2024

JEOL AM113

IWAMA AM116

3D Systems Japan AM118 AM117

Kanazawa University, Human Machine Innovation Laboratory

Daido Steel AM136

Höganäs Japan AM137

KEYENCE AM135

Q-ho Metal Works AM143

SK Additive Innovation AM144

hara seisakusyo AM145

SUGINO

TAIYO NIPPON SANSO AM112

JBM Engineering AM111

SUGINO MACHINE AM119

Yamaichi Precision Tools(Anhui) AM120

DOHO AM121

SK Fine AM133

OPEN MIND Technologies Japan AM134

NIDEC MACHINE TOOL AM132

HDC AM146

CT CoreTechnologie Asia AM147

Noga Waters AM148

Organizers Main Stage

Japan 3D printing Industrial Technology Association

Marubeni Information Systems AM110

3DEO AM153

Fusion Technology AM109

TKE

TKE AM122

Aichi Sangyo AM123

Tokoshie AM125 AM124

CKB AM131

Matsuzawa Machinery

Value Finder AM129 AM130

DMM.com AM149

ShareLab AM150

Pan Optimization AM151-2

Additive Industries AM151-1

Continuum AM151-4

Lumafield AM151-3

Organizer Plan AM152

Technology Research Association for Future Additive Manufacturing

Tokyo Metropolitan Industrial Technology Research Institute AM102

KEYENCE AM101

CASTEM AM104

JAPAN 3D PRINTER AM105

Kurimoto AM107

SEA FORCE AM108

CHITA MFG AM106

DMG MORI AM126

Japanese Society of Additive Manufacturing AM128

SAKURAI AM127

DMG MORI

AM Area Exhibitor Workshops

South Hall 1

N

West 西 To West Hall 1・2

Jumbo Taxi Stand FREE!

South 南 Hall 1

世界初のハイブリッド
金属3Dプリンタ

LUMEX Avance-25

南2ホール
AM115［AMエリア］



サンプルワーク:フクイラプトル
モデル提供/公立大学法人福井県立大学

Matsuura 株式会社 松浦機械製作所



環境と技術は、引き算から足し算でイノベーション。

ティーケーエンジニアリングは、技術、経験、柔軟な発想で新しいものを創造し続けます。

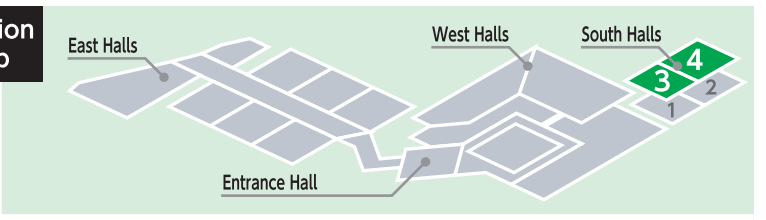
南1ホール
(South 1Hall)
AM122

CREATION AND CHALLENGE
TKE
ティーケーエンジニアリング株式会社

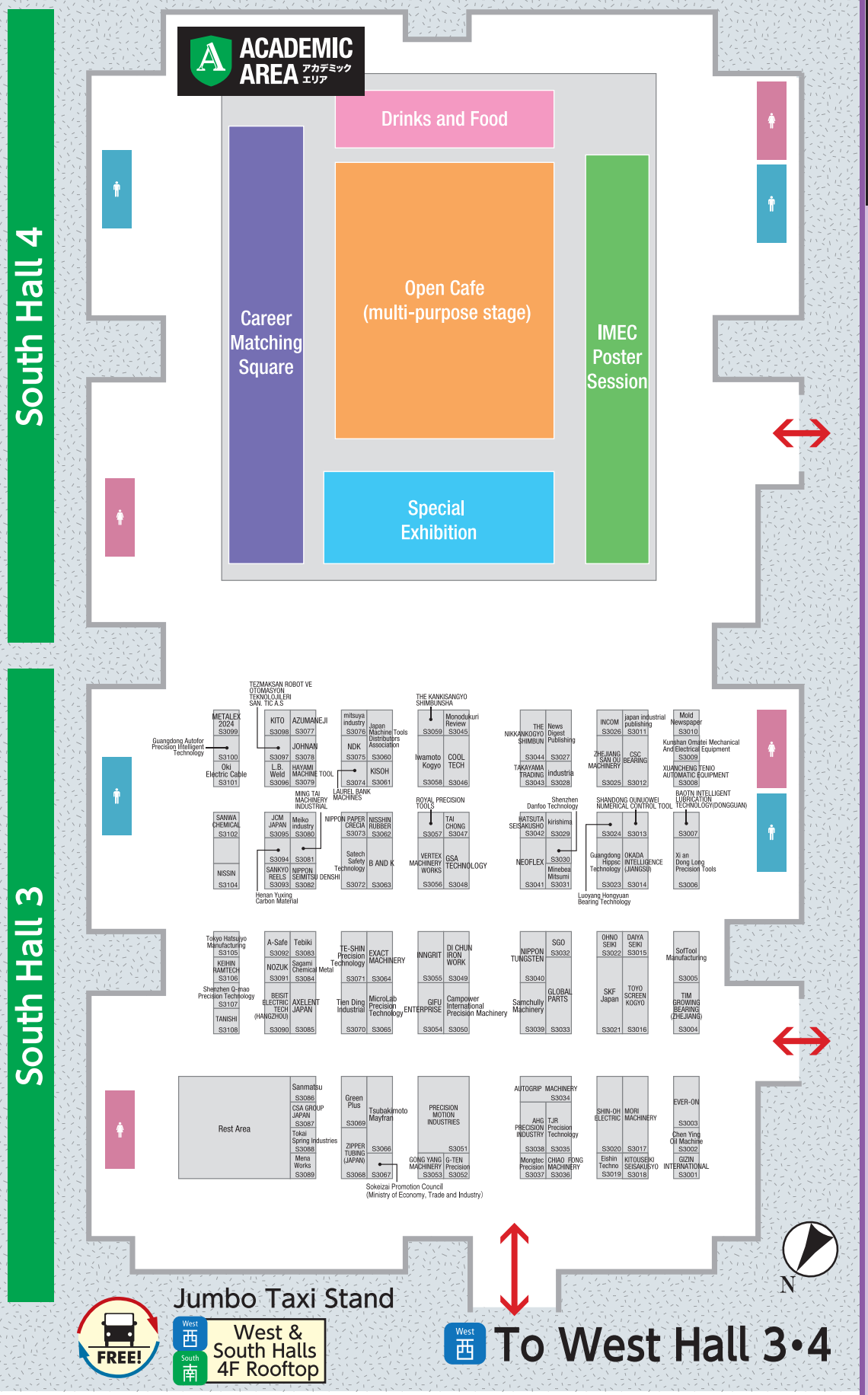
South 南

South Hall 3•4

Location Map



Machine tool accessories/ Other associated machinery and equipment/ Publications



ACADEMIC AREA アカデミックエリア

South 南 South Hall 4

Career Matching Square

Many students are welcomed in this area as JIMTOF2024 exhibitors' general affairs and HR personnel look forward to seeing you, whether you are a science/engineering major or not.

【Companies】

MARUKA FURUSATO CORPORATION
SUGINO MACHINE LIMITED
SHIBAURA MACHINE CO., LTD.
Toyo Advanced Technologies Co.,Ltd.
MITSUI SEIKI KOGYO CO.,LTD.
MAKINO MILLING MACHINE CO.,LTD.
NACHI-FUJIKOSHI CORP.
SHIN NIPPON KOKI CO.,LTD.
YAMAZAKI MAZAK CORPORATION
CITIZEN MACHINERY CO., LTD.
FUJI CORPORATION
OKUMA Corporation
TOKYO SEIMITSU CO., LTD
Santec Japan Corporation
UNIPULSE CORPORATION
Mitutoyo Corporation
MITSUBISHI MATERIALS CORPORATION
MOLDINO Tool Engineering, Ltd.
THK CO., LTD.
KOSMEK LTD.
MATSUMOTO MACHINE CO.,LTD
Tokyo Metropolitan Vocational Skills Development Center

Open Cafe

A free space for visitors, with Wi-Fi and drinks. Enjoy a break and the multi-purpose stage!

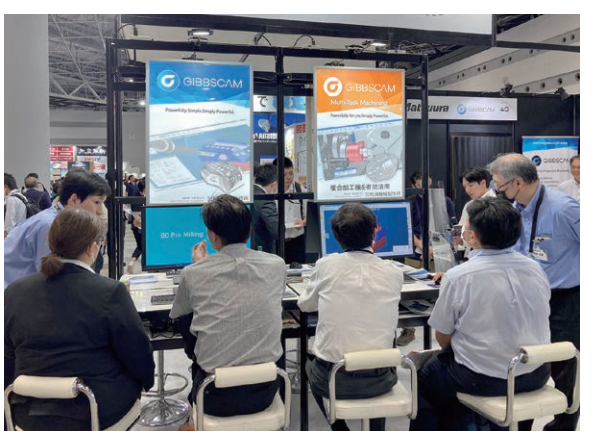
See the multi-purpose stage program here (Japanese Only) ▶

Special Exhibition Machine Tool Infinity ∞

~ Welcome to the world of machine tools that opens up infinite possibilities ~

There will be many activity contents which you will enjoy while deepening your understanding of the machine tool industry and feel the industry's potential at hand.





TAIWAN
SMART MANUFACTURING
未来へ受け継ぐ
台湾のモノづくり
イベント連日開催!
～台湾の"おもてなし"をあなたに～
西4ホール(West4Hall)
W4083-18
International Trade Administration
Taiwan External Trade Development Council
PIDC
Ad. by TDA

転身ヒストリー ～異業種出身者が選んだモノづくりの道～

History of Career Change

The Path of Manufacturing Someone Who Has Chosen with a Different Background

これまで工作機械にまったく縁のなかった男たちは、なぜ今までのキャリアを捨ててモノづくり業界へとダイナミックな転職を決めたのか。新たなキャリアを切り拓いた２人に転身のヒストリーを聞いた。

Why did the men, who had no prior experience with machine tools, decide to abandon their previous careers and make a dynamic career change to the manufacturing industry? We asked the two men who carved out new careers about their career changes.



鈴木 整

（すずき・せい）

株式会社ゴードーソリューション
工場マネジメント統括グループ
営業CSグループ
グループリーダー
1986 年生まれ、38 歳

SUZUKI Sei

Godo Solution Inc.
Sales Leader
Industrial IoT Dept.
born in 1986, is 38 years old

通信業界 *Communications Industry* → IoT提案 *IoT Proposals*

課題解決の“コト売り”が醍醐味

ゴードーソリューションは高い知名度を誇るCAD／CAM「ナスカ」に加え、2015年からはIoTを活用した工作機械の稼働監視システム「ナスカ・ネオ・リンカ」の開発・販売を手がける。営業CSグループリーダーの鈴木整さんは10年前に通信業界の販売代理店の営業職から転じ、現在ナスカ・ネオ・リンカの顧客対応全般を担当している。

転職のきっかけは暮らしていた関東地域から浜松市への帰郷と、「興味があったメーカーの営業をやりたい」と思ったことだ。当時、工作機械には「全く縁がなかった」が、営業経験を生かすべく新たな業界に飛び込んだ。

当初の担当はナスカ・ネオ・リンカの導入支援から始まり、その後は提案営業に関わるようになった。システムの構築作業にはパソコンやネットワークなど前職の知識も役に立ったが、初めての業界の苦労はあった。そんな時は先輩が親身になって専門用語や技術など何でも教えてくれた。「この業界は真剣にモノづくりを考えている人が多く、お客さまが自分を育ててくれた」と振り返る。メーカーの営業は「ユーザーの要望を直接反映し、製品やサービスの機能を向上できる」のが魅力だ。工作機械でもIoTも現場によって使用方法は全く異なる。“モノ売り”だけではなく、顧客の課題を解決する“コト売り”に醍醐味がある。

異業種からの転身だけではなく、社内では導入支援と営業の両面を経験している数少ない存在だ。引き続き最前線に立つが、今後は後に続く仲間に自身の経験を伝えていきたいと考えている。

Selling What Solves the Customers' Problems Is the Best Part

In addition to its highly known CAD/CAM “Nazca,” Godo Solution has also been developing and selling “Nazca Neo Linka,” an IoT-based machine-tool operation-monitoring system, since 2015. Sales CS Group leader Sei Suzuki, who worked as a salesperson at a communications industry sales agency until ten years ago, has been in charge of all customer responses for Nazca Neo Linka since.

The job change was prompted by his return to Hamamatsu City from his former location in the Kanto area and his interest in conducting sales for a manufacturer. He had no experience whatsoever in machine tools back then, but he jumped into this new industry to utilize his sales experience.

After supporting his first job in the deployment of Nazca Neo Linka, he subsequently worked in sales with proposals. Although knowledge from his previous work on PCs and networks helped in his system development, he also struggled with the fact that he had never worked in this industry before. At times like this, senior colleagues were kind enough to teach him a variety of things, from special terms to technologies. According to Suzuki, “Many people are seriously thinking about manufacturing in this industry. Customers helped me grow considerably.”

The appeal of conducting sales for manufacturing is “being able to directly reflect user requests and improve the performance of products and services.” Different job sites use machine tools and IoT in totally different ways. The true appeal lies not only in just selling products but also in selling what solves customers' problems.

Suzuki is unique because he not only came from a different industry but is also one of the few employees in the company who has experience in both deployment support and sales. He will continue to be at the forefront of sales, but he wishes to share his expertise with other employees who will follow in his footsteps.



二谷 直樹

（にたに・なおき）

株式会社マグネスケール
社長室広報課課長
1979 年生まれ、45 歳

NITANI Naoki

Magnescale Co., Ltd.
Manager
President's Office Public Relations Section
born in 1979, is 45 years old

旅行会社 *Travel Agency* → 計測機器メーカー *Measuring Instrument Manufacturer*

転職者ならでの視点生かす

高精度な位置決めに使われるエンコーダーなどを開発し、モノづくりの進化と発展に貢献するマグネスケール。東京本社社長室広報課長の二谷直樹さんは、以前は旅行会社で超富裕層向けインバウンドや国際的なレースイベントに携わり、高い営業成績を上げてきた。ただ、自然災害など自身ではどうにもならないことで翻弄される旅行業界。生涯を捧げる仕事として迷いが生まれ、転職を決意した。マグネスケールを選んだのは、展示会担当の募集でイベント経験を生かせると考えたことに加え、相反する製品で技術者らが戦う「ほこ×たて」というTV番組で業界のイメージが湧き、面接官にも魅力を感じたからだ。

入社以来広報として展示会や広告などを担当。最初は業界や機械に詳しくないことがコンプレックスだったが、それ故に謙虚に人の話を聞けた。「目的とする人に正しい情報を伝えることがミッション」と考え、異業種出身の素人だからこその視点も生かす。転職を考える人に「自分では思っていなかったことが武器になる」とエールを送る。

これから目指すのは部門のスキルアップだ。「私が新しいことに挑戦すれば、他の課員も新しい仕事をでき、幅が広がる」。加えて、業界の裾野を広げたいと日本精密測定機器工業会での広報委員の活動にも力を入れる。企画した会員企業のトレーディングカードも話題を呼んだ。

“堅く”なりがちな業界で、新しい取り組みを続ける二谷さん。挑戦できるのは、「皆に支えられてきたから。人との信頼関係が大切だ」と強調する。

Utilizing Perspectives Gained as a Career Changer

Magnescale develops instruments such as encoders used for high-precision positioning, contributing to the advancement and development of manufacturing. President's Office Public Relations Section Manager, Naoki Nitani, previously worked for a travel agency, where he managed tourism in Japan for the super-rich and coordinated international race events, achieving high sales performance. However, with travel being an industry vulnerable to uncontrollable events such as natural disasters, he began to question whether it was a field he wanted to dedicate his entire career to. He chose to join Magnescale because he could leverage his event experience as a trade show representative—a role that the company was recruiting at the time. His interest was further sparked by the TV program, “Spear and Shield,” which showcased engineers battling with opposing products, giving him a clearer image of the industry, and he also found the interviewing officer inspiring.

Since joining the company, he has been responsible for trade shows and advertising as a PR personnel. Initially, he had an inferiority complex for not knowing much about the industry or machines but this also allowed him to humbly listen to the views of others. He sees his mission as delivering accurate information to targeted people and draws on his unique perspectives as a layman from a different industry. He encourages those considering a career change, saying, “Things I never anticipated have become my strengths.”

Looking ahead, he aims to improve the skills of his division. “If I take on new challenges, other division members can do new tasks, which broadens our possibilities.” He also focuses on his work as a PR committee member of the Japan Precision Measuring Instruments Manufacturers Association to broaden the industry's domains. The trading cards initiative he developed for member companies also drew attention.

Nitani continues to drive fresh initiatives in an industry that tends to get rigid and conservative. Reflecting on why he is able to take on new challenges, he emphasizes, “That is because everyone has supported me. Trust with others is important.

株式会社向洋技研
KOYO GIKEN INC.

東1ホール
East Hall 1
E1058

美しく強いスポット溶接を世界の現場に
Clean and strong spot welding for all precision sheet metal sites around the world

向洋技研は「美しく強いスポット溶接を世界の現場に」を掲げ、「MYSPOT」シリーズの最新モデルによる提案を行います。実機実演を行いながら「環境に配慮した高品質な接合」とは何か、またそれがどのように「利益を生み出す溶接工程」となるかを提示します。省人化の加速、原材料の高騰により品質維持と利益確保が課題となる中、スポット溶接機MYSPOTが生産現場におけるさまざまな課題解決を提案することで、お客さまの生産性向上に貢献します。



Koyo Giken is promoting "clean and strong spot welding for sites around the world" and will be proposing the latest model of the "MYSPOT" series. While demonstrating the actual machine, they will show what "environmentally friendly, high-quality joining" is and how it can become a "profit-making welding process." With the accelerated trend toward labor saving and rising raw material prices making quality maintenance and profits an issue, the spot welder MYSPOT will contribute to improving customer productivity by proposing solutions to various issues at production sites.

E-MAIL info-hp@koyogiken.co.jp

ケナメタルジャパン株式会社
KENNAMETAL JAPAN LTD.

西1ホール
West Hall 1
W1023

KENGold PVDコーティング技術を採用した汎用旋削材種
Universal Turning Grade with KENGold PVD COATING TECHNOLOGY

KENGold PVDは多層コーティング技術で、耐摩耗性のある均一な層を特長とします。強力な遮熱壁として機能し、切れ刃の靭性を向上するほか、金色表面レイヤーの識別効果で、摩耗を容易に把握できます。

KCU10B、KCU25B旋削インサート材種に適用することで、鋼やステンレス鋼加工における工具の長寿命化に加え、高い汎用性と安定した工具寿命を提供します。ナノ構造多層コーティング技術は三つの層で構成し、それぞれ独自の保護特性があります。



KENGold PVD is a multilayer coating technology featuring uniform layers that resist abrasion, provide a strong thermal barrier, improve edge toughness and allows for easy detection of wear due to its gold flank.
When applied to the KCU10B and KCU25B turning insert grade, in combination with improved tool life for operations on steels and stainless steels, customers experience versatility and consistency in tool life.

E-MAIL japan.customerservice@kennametal.com

東洋研磨材工業株式会社
TOYO KENMAZAI KOGYO LTD.

東1ホール
East Hall 1
E1008

磨きの工程改善で実績多数！鏡面研磨機SMAP
Proven Polishing Performance! The Mirror Surface Shot Machine "SMAP"

鏡面ショットマシンSMAPは、職人技術である「研磨・磨き」の工程を誰でも簡単に行える画期的な機械。弾力のある研磨メディアを、エアを使わず対象に斜めに投射し滑らせることで磨きが行われ、手では磨きづらい複雑形状の加工が可能。自動化実績も多数あり、幅広い業界で活躍中。鏡面磨きが得意だが、新商品のSDメディアは放電加工1stカットの粗さにも対応できます。ブース実演を行っており、その場でテスト加工も可能。ぜひテストサンプルをお持ちより下さい。



The Mirror Surface Shot Machine "SMAP" is a groundbreaking machine that allows anyone to perform the traditional polishing and buffing process once reserved for skilled craftsmen. By projecting flexible polishing media at an angle without using air, it glides over the surface, allowing polishing of even complex shapes that are difficult to handle by hand. With a proven track record in automation and use across multiple industries, it's ideal for mirror polishing, but the latest SD media product can also support the roughness of the first cut of electrical discharge machining. Live demonstrations are available at the booth, and you can even bring your own samples for testing.

URL https://toyo-kenmazai-kogyo.jp/

フジ産業株式会社
FUJI SANGYO CO.,LTD

東3ホール
East Hall 3
E3031

高トルクタイプ長尺加工機による高速加工
High-torque Long Length steel processing machine

鋼材加工用高トルク仕様長尺加工機「FB-5000-20ATC-S」は、通常の加工機より各種剛性を高め、角パイプやH鋼などの鋼材加工に最適な加工機となっています。もちろん鋼材以外、アルミ、ステンレス、樹脂など幅広いワークに対応します。オーダーメイドによる製作でストロークなどは、お客さまのご要望で変更できます。

JIMTOF2024では刃物メーカーの不二越様とのコラボレーションでバリレスドリルによる高速加工をご覧いただけます。



The 'FB-5000-20ATC-S' is a high-torque steel processing machine with enhanced rigidity, ideal for cutting square pipes and H-beams. At JIMTOF 2024, we' ll demonstrate its high-speed capabilities in partnership with Nachi-Fujikoshi.

URL https://fuji-sangyou.com/

Sodick
自動化・省人化・高効率化
スマートに解決
未来へ導く Sodick Smart Solution

AMR※が工程間連携を実現
※：Autonomous Mobile Robot
リニアモータ駆動 超精密 ワイヤ放電加工機 AX350L iG+E
リニアモータ駆動 高速・高性能 精密形彫り放電加工機 AL40G+

長時間大型ワーク加工を多彩な機能で自動化・効率化
リニアモータ駆動 高速・高性能 大型ワイヤ放電加工機 ALN800G iG+E

軽量＆コンパクトな機体で難削材の微細精密加工実現
New Model
リニアモータ駆動 フェムト秒レーザー加工機 LSP4040

精密切削加工の自動化に向け多彩なシステムをご提案
リニアモータ駆動 マシニングセンタ & オートワークチェンジャ UX650L & SR12

※ 出展機は都合により予告なく変更する場合がありますのでご了承ください。

JIMTOF2024 特設サイトへはコチラから GO!

株式会社 ソディック



Students' Guide to JIMTOF2024

学生のための楽しい歩き方 ガイド

執筆：日本工業大学 工業技術博物館館長 清水伸二 Shinji Shimizu, Director, Museum of Industrial Technology, Nippon Institute of Technology

JIMTOF を楽しく見学するためには、工作機械の全体像を頭に入れておくことが大切です。そこで、まずは知っているつもりの「工作機械」について改めて整理してお話しし、次に見学のポイントを述べたいと思います。

To enjoy JIMTOF, you need to have a general idea of machine tools. Consequently, we will first explain some details about machine tools, which you may think you know already, and then discuss the key points for enjoying your visit.

工作機械は単なる機械を作る機械ではない

工作機械は「機械を作る機械」であると言われていますが、皆さんは世の中にはどのような機械が存在しているか、その全体像をイメージできているでしょうか。それを示したのが図1です。

先ずは、電車、自動車、家電製品のような我々の生活に身近な生活用機械を作り出しています。それだけでなく、歯車、軸受、半導体、工具類など、あらゆる機械で使われる部品や製品を産み出す工業製品関連産業機械も作り出しています。さらには、食品機械や繊維機械などの製品を生み出す衣食住関連産業機械も工作機械が作り出しています。

上述のように、工作機械は世の中のありとあらゆる機械を作り出しています。特に衣食住に関わる製品が、工作機械により作られた産業機械によって生み出されていることを踏まえるならば、工作機械は我々の生活基盤を作り出している重要な機械で、我々にとって必要不可欠な“すごい機械”なのです。JIMTOFはそんなすごい機械の国際的な展示会なのです。

JIMTOFを見学する意義は何か

まず、JIMTOFでは前述した多くの産業で使われている基本的な工作機械を全機種見ることができるので、工作機械の役割、全体像をイメージできるようになります。

工作機械には「円筒状の面を加工する」「平らな面を加工する」「穴を加工する」のが得意な3種類の機械が存在しています。加工の際に使われるエネルギについては「切削や研削加工のように機械的なもの(物理的な力)」「レーザ加工のように熱的なもの」「電解加工のように電気・化学的なもの」など、主として3種類のエネルギが使われています。JIMTOFではこれらの機械を一度に見られるので、工作機械をより体系的に理解する絶好の機会と言えます。

また、工作機械の加工性能を高め、もっとも重要なユーザニーズである高精度・高能率加工を実現するためには、工作機械の性能を高めるだけでは不十分です。図2に示すような、工作機械を中核として構成される加工システムの構成要素の性能も高める必要があります。

その構成要素としては、工作機械、機械を制御する制御装置、切りくず処理装置のような周辺装置、加工するための工具や加工対象物(工作物)の取付具といったツーリングシステムなどがあります。

そして、工作物と工作機械が使われる工場環境、生産技術力などのユーザの生産環境があります。JIMTOFでは工作物とユーザの生産環境以外のすべての要素が展示されており、ものづくりのために基本的にどのような構成要素が必要となっているかを理解できることもJIMTOF見学の意義と言えます。

見学のポイントは何か

見学に当たり、現在、工作機械メーカがどのようなユーザニーズに応えようとして、どのような技術開発を行おうとしているかを知っておくと、出品されている機械の背景が理解できます。次にそのための解説をいたします。

ユーザニーズとしては、図2の中で挙げている10項目が挙げられます。これらに応えるために、工作機械メーカは、自社製品の高精度・高剛性化、高信頼化(精度・品質)、高速化、ハイパワー化、非加工時間の短縮化、工程集約・短縮化、情報ネットワーク化、システム化・システム適合化、コンパクト化、環境省エネルギ化、設計技術の高度化などに注力しています。

各社の機械を見て、各社がどのようなユーザニーズに応えようとし、どのような技術を投入しようとしているかという視点で見学すると、楽しく見学ができると思います。分からなければ、各社のブースで担当者に積極的に質問してみましょう。

ここまでで、JIMTOFで何を見ることができるのかを理解していただけたことと思います。今度は、それらの中で自分は何を見たいのか、その目的・目標を定めておきましょう。それが定まると、広い会場のどこから見たらよいかが分かり、皆同じに見えた工作機械をいろいろな視点で見られるようになり、飽きずに楽しく見学ができるようになると思います。

展示会場の案内図(各社の展示ブースの小間割図など)は、8–19ページに載っていますので有効活用して下さい。展示場は東1–8ホール、西1–4ホール、南1–4ホールまであり、各館では、同分野の製品が展示されますので、自分の見たい展示館がどこにあるか確認しておくと良いと思います。

技術動向としては、高度自動化、工作機械へのデジタル技術の適用(デジタル変革、DX)、環境対応(グリーン・トランスフォーメーション、GX)などに技術進展が期待されます。これらを推進するための共通的な技術指針として、見える化(工作機械や工場の稼働状態の可視化)、知能化(人工知能〈AI〉の適用技術の発展)、つなぐ化(機械と周辺装置との結合)や、持続可能化(工作機械の長寿命化、機能、加工精度の安定維持など)が進められている様子を感じてもらえればと思います。

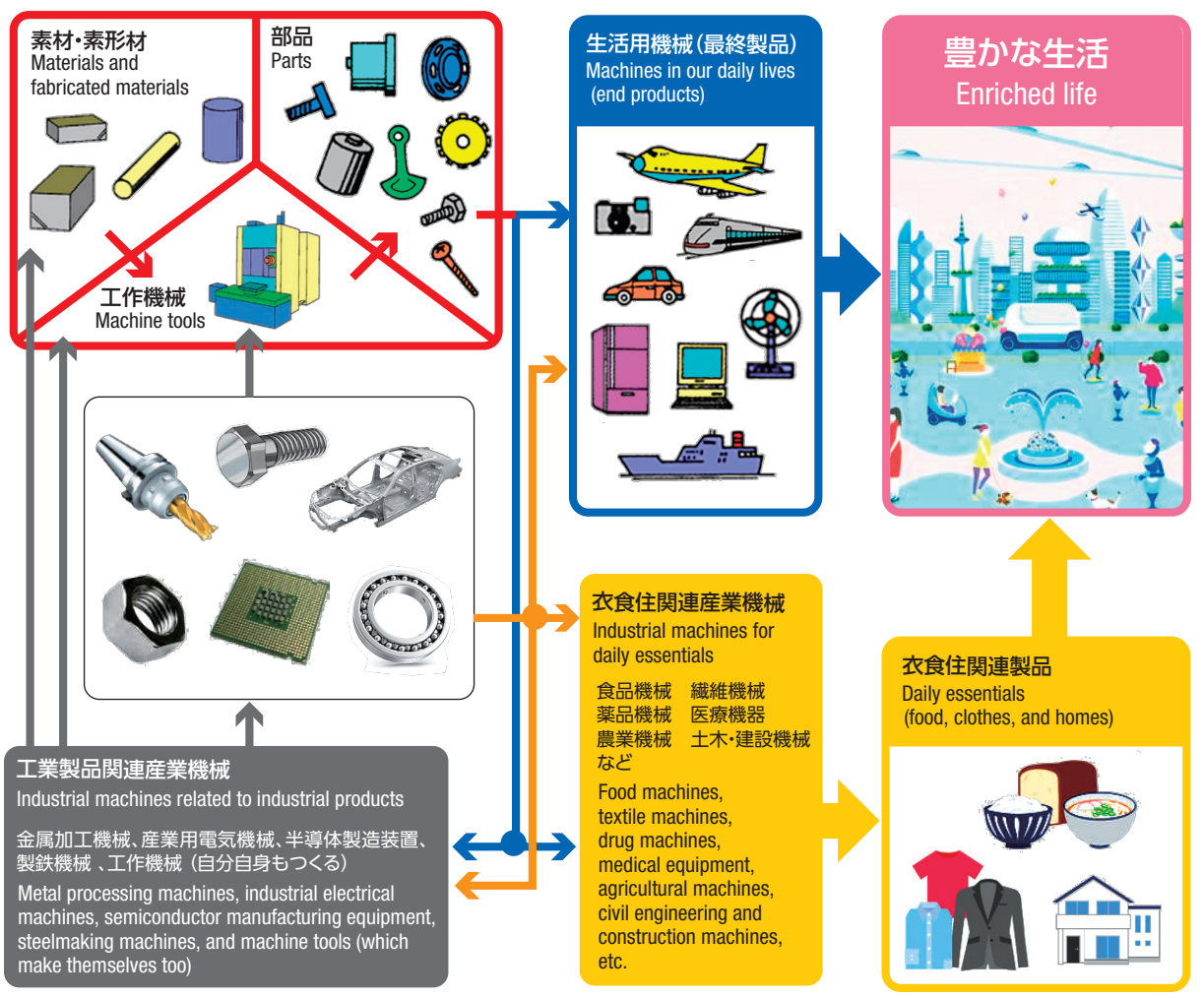
JIMTOF見学に当たり、本稿が皆さんが楽しく見学するための参考になれば幸いです。

Machine tools are not merely machines that make other machines

Some people may assume that machine tools are simply machines that make machines, but do you have a general idea about what kind of machine tools exist? This is summarized in Fig. 1.

First, machine tools make some of the machines that we use every day, such as trains, cars, and home appliances. Nonetheless, machine tools also make industrial machines related to industrial products that make vital parts and products, such as gears, bearings, semiconductors, and tools. Furthermore, machine tools also make industrial machines

図1 工作機械はどのような機械を作っているか
Fig. 1 What kind of machines do machine tools make?



related to food, clothes, and homes that manufacture daily essentials, such as food machines and textile machines.

As mentioned above, machine tools can make all kinds of machines. If industrial machines created by machine tools manufactures products concerning food, clothes, and homes, then machines tools are indeed important machines that provide the foundation of our lives, and incredible type of machinery essential to us all. JIMTOF is an international trade show that features some exceptional machines.

What is the purpose of visiting JIMTOF?

First of all, JIMTOF allows you to see all types of basic machine tools used in many of the industries mentioned above, which will enable you to have a complete image of machine tools and their roles.

Machine tools come in three types: those that are good at creating cylindrical surfaces, flat surfaces, and holes. The machining process generally involves three types of energy: mechanical (physical) energy, such as cutting and grinding; thermal energy, such as lasering; and electrical/chemical energy, such as electrochemical machining. JIMTOF allows you to see all these machines, which will be the best opportunity for you to understand machine tools more systematically.

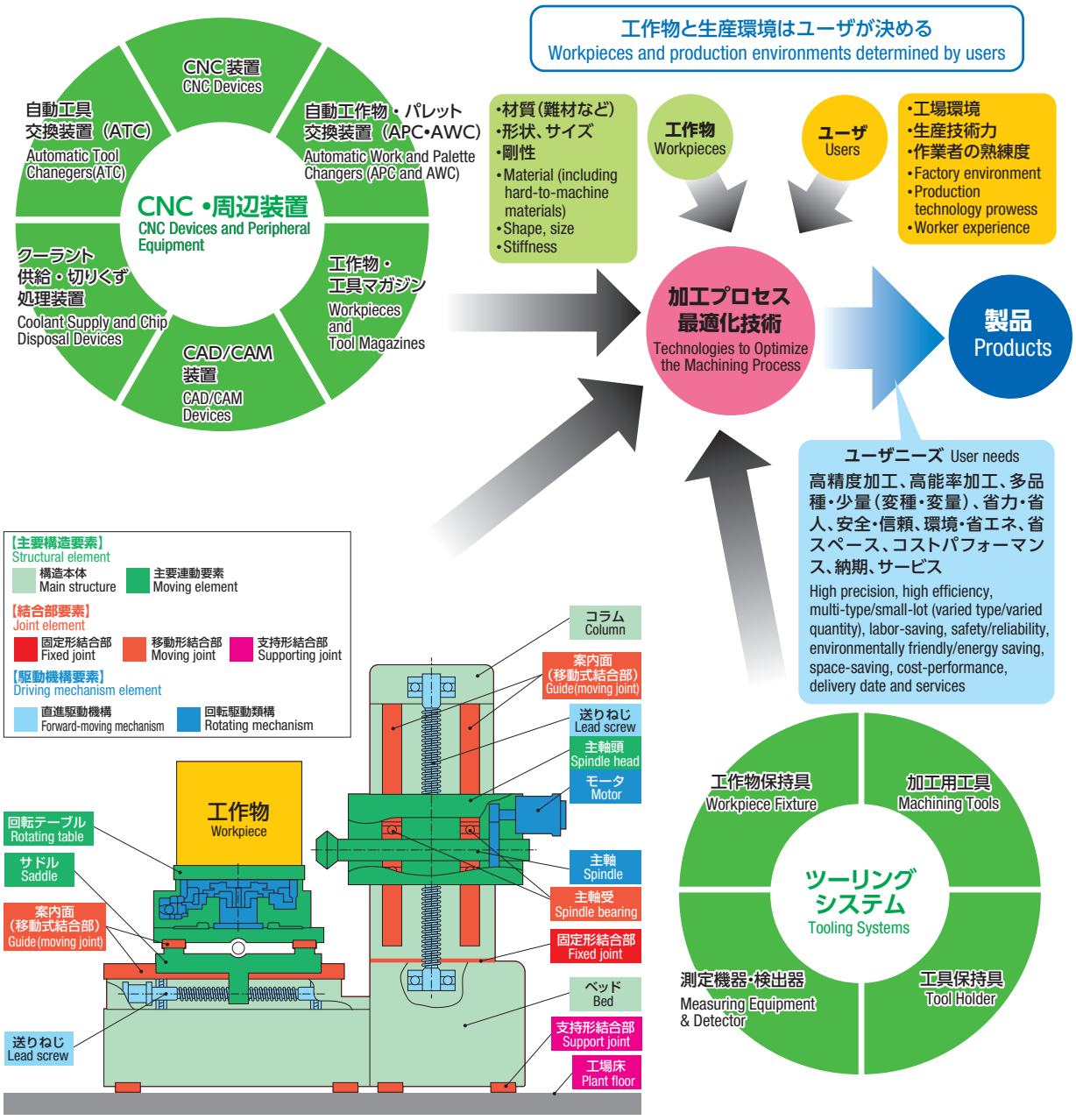
Merely raising machine tools' performance will not suffice to improve their machining performance and achieve high-accuracy and high-productivity machining, which are the most important user needs. Fig. 2 shows that the performance of the basic components of the processing systems must also be enhanced with machine tools at the center.

Such basic components include machine tools, control equipment to control machines, peripheral equipment (such as scrap processors), and tooling systems (such as processing tools and fixtures) for workpieces.

There are also factory environments where workpieces and machine tools are used, as well as users' production environments, such as production technology capabilities. JIMTOF shows everything other than workpieces and users' production environments, making it a worthwhile visit as you will be able to understand what basic components are required in manufacturing.

図２　加工性能に影響を及ぼす加工システム構成要素

Fig. 2 Basic components of processing system that affect machining performance



Key points in your visit

If you know in advance what the user needs of the machine tool manufacturers are trying to address and the technological development they are trying to undertake to do that, you will be able to understand the backgrounds of the machines on display. We will discuss this in more detail next.

Fig. 2 shows ten user needs. To address these needs, machine tool manufacturers are focusing on making their products more accurate, robust, reliable (in terms of accuracy and quality), faster, more powerful, and with shorter idle time. They are also integrating and shortening machining processes, introducing IT network solutions, systemizing and complying with systems, making their products more compact, environmentally friendly and energy-saving, and using more advanced design technologies.

If you see machines from different companies and then try to understand what user needs they are trying to address while also determining what kind of technologies they are trying to use, you will be able to enjoy JIMTOF more. If you cannot fully understand that, proactively ask the representatives at the company booths.

So far, we hope you have understood what you will be able to see at JIMTOF. Next, you should set some objectives and targets for what you want to see out of all the choices. Once you know that, you will know which area to visit first inside the vast hall and will be able to see similar-looking machine tools from various angles, which will make your visit more fun and interesting without getting bored.

The maps of the halls (including more detailed maps of company booth locations) can be found on pages 8–19. There are East 1–8 Halls, West 1–4 Halls, and South 1–4 Halls. Each hall shows products from the same category, so it is best to check beforehand where the hall you want to see is located.

As for technological trends, developments are expected in areas such as advanced automation, application of digital technologies to machine tools (digital transformation [DX]) and environmental responses (green transformation [GX]). We hope that you will get a clear sense of how shared technological policies support these areas, including visualization (visualizing the operational state of machine tools and factories), intelligence (development of artificial intelligence [AI] applications), connectedness (connecting machines with their peripheral equipment) and sustainability (such as extending machine tools' lifespan, improving their functions, and achieving stable maintenance of machining accuracy).

We hope this guide will make your visit to JIMTOF even more fun.

MT検定
工作機械検定
MACHINE TOOL
2級
日本工作機械工業会は、一般の方々にも工作機械はどのような機械かを知ってもらう「工作機械検定（MT検定）」を実施しています。JIMTOF Map & Daily Newsでは、工作機械産業に関する標準的な問題を取り上げる「2級」（合計20問）の中から12問を選び、6回にわたって掲載します。全問正解を目指し、ぜひチャレンジしてみてください。

Q.1
マシニングセンタ（またはNCフライス盤）で輪郭加工に用いられる工具はどれですか。
Ⓐエンドミル
Ⓑドリル
Ⓒフェイスミル

Q.2
角物工作物の上面を平らに加工するのに使用される工作機械はどれですか。
Ⓐフライス盤
Ⓑ旋盤
Ⓒボール盤

工作機械検定2級にチャレンジ！
応募期間 11月30日（土）まで。
スマホでも受験できて、その場で合否判定します！
工作機械検定はこちらから

工作機械・モノづくり業界で働く わたしの一日

One Day of Me at Work in The Machine Tool and Manufacturing Industry



京セラ株式会社
KYOCERA Corporation

滋賀野洲工場
機械工具形状開発部
開発戦略部　先端技術開発課

竹内 美音さん

Shiga Yasu Plant
Leading-Edge Technology Development Section
Development Strategy Department
Cutting Tool Design R&D Division

Mion Takeuchi

一日の"活動スケジュール"のモデル
A Typical Day at Work

8:45 朝礼 Morning assembly
綿密な情報共有で業務の効率化
Share information closely for operational efficiency

9:15 評価準備・データ解析 Preparing assessments and performing data analyses
社内外案件や評価方針の確認
Checking internal and external projects and assessment policies



12:00 お昼ご飯 Lunch
ライブキッチンのメニューがお気に入りです
I love the live kitchen menus

13:00 切削評価 Cutting assessments
センシングツールを使ったデータ蓄積
Storing data with sensing tools



16:30 ミーティング Meeting
評価結果の報告
Reporting on assessment results

17:30 退社 Leave work

切削工具の魅力
Why Cutting Tools Are Appealing

切削工具はモノづくりに欠かせない存在で、航空機や自動車部品などさまざまな製品の加工に活躍しています。幅広い業界と関わり、改善一つで社会に大きく貢献できる魅力があります。切削加工は素材や工具、加工パスの組み合わせが無限。非常に複雑で、その探求が私にとって大きなやりがいとなっています。

Cutting tools are essential in manufacturing and are used in servicing various products, from airplanes to car parts. It allows one to connect with many different industries and be able to contribute to society significantly with even a single improvement. Cutting processes also involve infinite combinations of materials, tools, and processing paths. It is highly complex and it has become a huge motivation for me.

職場の雰囲気
Workplace Atmosphere

私の部署は切削加工の可視化とデジタル化に取り組んでおり、メンバー全員が熱心に加工現象に向き合っています。困難な課題に直面した時、仲間がサポートしてくれるため、心強く、また心地よい職場だと感じています。挑戦する姿勢を大切にし、若手が多く活気ある職場です。

My division works on visualization and digitalization of cutting processes. All team members are enthusiastically researching cutting phenomena. I feel strongly encouraged when facing a challenge, as my team members readily offer their support. The workplace respects the will to take on challenges and is highly energized with many young employees.

未来に向けて
Toward the Future

京セラの機械工具事業本部はグローバルに展開しており、海外の方々と接する機会が多いです。最近は中国、アメリカ、インドの方々と共に仕事をし、切削工具への熱い思いを共有しながら言葉の壁を越えて協業しています。私たちの製品は、日本だけでなく世界中に喜びと感動を届けることを目指しています。また、個人的には、最近は韓国の市場にも挑戦したく、韓国語を勉強しています。

Our Industrial Tool Group is active globally and we collaborate with many people from overseas. Recently, we have been working with people from China, the United States, and India, sharing a passion for cutting tools and transcending language barriers together. The aim of our products is to deliver joy and excitement not only in Japan but also to the rest of the world. I have been studying Korean recently as I am eager to take on the Korean market as well.

JIMTOFに来場する方々へ
To Everyone Visiting JIMTOF

京セラは「Technology Leads to a Bright Future」をテーマに、魅力的な新製品や多様なサービスを展示しています。センシングツールの技術プレゼンも予定しており、切削加工の「見える化」の有効性を体感していただければ嬉しいです。JIMTOFでは最先端技術が多数展示されているので、新たな技術との出会いを楽しんでください。

Under the theme "Technology Leads to a Bright Future," Kyocera is showcasing a range of appealing new products and diverse services. Technological presentations on sensing tools are also scheduled, and we would be pleased if you could experience how visualization of cutting processes can be effective. Enjoy discovering new technologies at JIMTOF as we are displaying many latest technologies.

仕事のやりがい
What I Find Rewarding about My Work

こんなことできたらいいな、これがあれば便利なのに。そういったことを実現できる環境で仕事ができています。現在、産業用ロボットに取り付ける製品を担当しています。お客さまの要望からそれを開発部隊に伝えて具現化します。開発されたものは自分で使用して、生の声をお客さまに伝えることを心がけています。それが、お客さまのニーズにマッチしていて受注につながったときはやりがいを感じます。

I can work in an environment where I can bring my ideas to life. Currently, I am responsible for products designed to be attached to industrial robots. I communicate customers' needs to the development team to help realize those ideas. I make it a point to use any developed product and share my firsthand experiences with the customers. When the product matches the customers' needs and results in orders, it feels rewarding.

職場の雰囲気
Workplace Atmosphere

みんなで情報共有して誰かが休んでもフォローできる環境になっています。週末は部門をまたいで会社の人と過ごすことが多く、ゴルフ、釣り、飲み会などに参加しています。とてもアットホームな感じです。

At my workplace everyone can share information and support anyone on leave. We frequently spend weekends with colleagues from other divisions, participating in activities like golfing, fishing, and partying. It is a very at-home atmosphere.

新たな挑戦
New Challenges

もともとは機械設計を行っていましたが、ここ数年は制御(ラダー)や電気配線などにもチャレンジしています。今まで自分が設計したものを自分で動かすことはなかったのですが、自分で配線しラダーを組んでいき、ちゃんと動いたときには達成感があります。

Originally, I was in charge of designing machines. However, in the last few years, I have taken on challenges in control (ladders) and electrical wiring. Until then, I had never operated anything I designed, but I feel a sense of accomplishment when the product operates properly after I wire it and assemble the ladders.

JIMTOFに来場する方々へ
To Visitors to JIMTOF

さまざまな市場環境の変化への対応が求められる中、北川鉄工所は「モノづくりのミライへ～Future in your hands～」をテーマに、お客さまのニーズの変化・課題解決に向けた商品をご覧いただける内容となっています。展示ブースでしか見られない製品の特徴や動作を生でご覧いただき、お客さまのお役に立てることを切に願っています。皆さまのご来場をお待ちしています。

In times that require responses to various market changes, Kitagawa showcases products designed to meet evolving customer needs and address their challenges under the theme "Future in your hands." We invite you to check the product features and operations that you can only see at our booth and hope that our products will be of benefit to you. We look forward to your visit.



北川鉄工所
Kitagawa Corporation

キタガワ グローバル ハンド カンパニー
営業部 ロボットアクセサリー事業室

大久保 孝昭さん

Kitagawa Global hand Company
Robot Accessory Business Section
Sales Dept.

Takaaki Okubo

一日の"活動スケジュール"のモデル
A Typical Day at Work

8:30 始業、メールチェック Start work, check email
メールは毎日20～30通くらい届きます
I get about 20-30 emails every day

9:00 設計業務 Design work
3DCADを使って設計を行います
I use 3DCAD to design

11:00 打ち合わせ Meeting
製品を作る技能者と製品の製造方法等について話し合い
Discuss product manufacturing methods with engineers involved in production



12:00 昼食 Lunch

12:50 お客さま訪問 Visit a customer

16:00 帰社・報告書作成 Back to the office, make a report
お客さまとの打ち合わせ内容をまとめて提出
Submitting the details discussed with the customer

16:30 展示会準備など
Preparing for the trade show, etc.



17:20 退社 Leave work

ようこそJIMTOFへ Welcome to JIMTOF — 関連団体ニュース — Related Organizations News

日本精密測定機器工業会 Japan Precision Measuring Instruments Manufacturers Association

SOKUTEI スタンプラリー開催中! SOKUTEI Stamp Rally!

日本精密測定機器工業会は来場者に同会会員企業のブースを楽しく訪問してもらうため、「SOKUTEIスタンプラリー」を行っている。二次元コードをスマートフォンで読み取ることで無料で参加できる。同企画参加企業のブース内にある二次元コードを読み取り、4択のクイズに正解するとデジタルスタンプを集めることができる。スタンプを4個獲得すると、同会ブース（E7013）で精密測定機器のトレーディングカード「SOKUTEIカード」または同会オリジナルノベルティーがもらえる。また8個すべてのスタンプを獲得すると抽選で参加企業のノベルティーももらえる。

The Japan Precision Measuring Instruments Manufacturers Association is running the "SOKUTEI Stamp Rally" for visitors to more fully enjoy its member booths. Visitors can participate in the rally for free by scanning a 2D code with their smartphones. Once they scan the 2D code at the member companies' booths and answer a quiz correctly by choosing the right answer from four options they can collect digital stamps. Once visitors earn four digital stamps they can redeem the stamps for a precision measuring instrument trading card "SOKUTEI Card" or the association's original item at the association's booth (E7013). If visitors obtain all eight stamps they can also enter a raffle to win a novelty prize from participating exhibitors.

公式キャラクター「メティ」誕生 New official character "Meti"

日本精密測定機器工業会は測定や測定機器について興味を持ち、知って欲しいという思いから、同会公式キャラクター「SOKUTEIペンギン メティ」を作成した。メティはラテン語の「metiri（測る）」が由来。製造業界において新分野に勇敢に飛び込むファーストペンギンをイメージした。今後はメティを用いて、イベントやウェブサイトで情報を発信していく。

The Japan Precision Measuring Instruments Manufacturers Association created the official character "SOKUTEI Penguin Meti" out of a desire to raise awareness and interest in measuring and measuring instruments. Meti is derived from the Latin word metiri (to measure). It was created with the image of the first penguins bravely diving into new areas of manufacturing. Going forward, the association will use Meti to disseminate information at events and on websites.



日工会学生向けブースツアー実施中 JMTBA Student Booth Tour

日本工作機械工業会（日工会）はJIMTOF期間中、工作機械業界に関心を持つ学生を対象に、テーマに沿った日工会会員企業の出展ブースをツアー形式で訪問する「日工会学生ブースツアー」を実施している。1ツアーにつき定員10人。会期中、毎日2コースを巡回。「旋盤」「マシニングセンタ」「研削盤」といったテーマに即した出展会員企業3―4社を巡る。「文系職種」を希望する学生向けのコースも用意する。

5日の「旋盤ツアー」では、大学生や専門学校生7人が集まり、不二越、ヤマザキマザック、サイダ・UMS、エグロの4社を巡った。各社は、さまざまな加工を1台でできる加工機や、日本に技能を持った職人を残すための日本製汎用旋盤の重要さなどを紹介した。

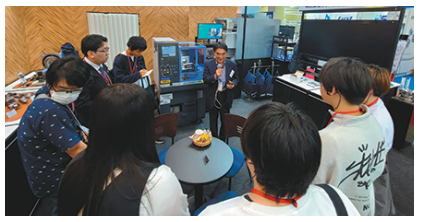


参加した明星大学理工学部総合理工学科2年の男子学生は「吹奏楽部に所属していて楽器製造を行う工作機械に携わってみたいと思って来た。大学の工作機械しか見たことがなかったので5軸マシニングセンターで複雑な加工ができることに驚いた」と感想を述べた。

During JIMTOF, the Japan Machine Tool Builders' Association (JMTBA) is running a "JMTBA Student Booth Tour" for students interested in the machine tool industry, where they can visit the exhibition booths of JMTBA members based on themes in a tour format. Each tour is limited to 10 people. Two courses will be toured each day during the exhibition. Participants will visit the booths of three or four member companies exhibiting based on a theme such as "lathes," "machining centers," and "grinding machines." Courses will also be available for students seeking a career in the humanities.

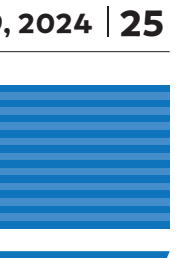
A "Lathe Tour" was held on November 5, in which seven university and vocational school students gathered and toured four companies: NACHI-FUJIKOSHI, Yamazaki Mazak, Saida-UMS, and Eguro. Each company introduced machines that can perform a variety of processes on a single machine, and the importance of Japanese-made general-purpose lathes in preserving skilled craftsmen in Japan.

A second-year male student from the School of Science and Engineering at Meisei University who participated commented, "I'm a member of the brass band, and I came here because I wanted to get involved with machine tools used to manufacture musical instruments. I'd only ever seen the machine tools at my university, so I was surprised that the 5-axis machiningcenter could do complex processing."



目指せスッキリ合格！

COLUMN 知っておきたい工作機械検定とは 後編



「工作機械検定」は、日本工作機械工業会が主催する検定試験。
11月8日（Day4）掲載の前編に続き、過去出題問題の調査結果をレポートします。

正解率が低い2級問題

工作機械に関する幅広い知識を試す2級検定は、試験サイト内のヒント集を参考にしながら回答もできます。表には正解率が50%を下回る問題概要をまとめました。

表：正解率が 50%を下回る 2 級問題

注：2021 年は旧初級問題

年	整理番号	問題番号	正解率	問題内容
2021 年	①	3	33.4%	工作機械の加工対象となる工作物
	②	18	47.4%	複合工作機械の概要についての間違い探し問題
2022 年	③	14	49.1%	NC 装置のパソコン機能に関する問題
	④	19	42.5%	ワイヤカット放電加工機の uv 軸制御による加工形状
	⑤	20	38.9%	加工システムに関する問題
2023 年	⑥	3	46.4%	工作機械の動力に関する問題（歴史）

上記問題の主な誤答理由を推測すると以下3 点にまとめられると思われます。

正解率が低い原因（推測）	該当問題 整理番号
・ヒント集説明の読み落とし。	③，④，⑤，⑥
・問題の指示を読み違えた。（「正しくないものはどれですか」という問いに対して「正しい答え」を選択している。）	②
・回答選択に迷うような選択肢があった。	①

3級問題の傾向

3級検定は受験者が「工作機械を知る」ことを目的として、問題は工作機械とものづくりに関する数種類の入門問題から構成されています。

① 工作機械の概要を知る問題

実物はもちろん、イラストや写真でも日常では見ることのない工作機械とはどのような形をしているかなどを知るため、以下のような問題を出題しています。

3 級例題 1.（22 年 3 級類似問題）

次のイラストで工作機械はどれでしょうか



イラスト A　イラスト B　イラスト C

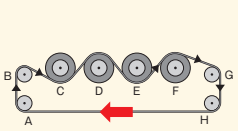
正解：イラストは左から工作機械（旋盤）、建設機械、輸送機械ですが、Bの建設機械とCの輸送機械は工作機械ではないので、Aが工作機械であることがわかります。

② メカニズムの基礎問題

機械設計の基本の基となる、小学校の理科の授業で学ぶ滑車や歯車の基礎知識を米国の「子供向けメカ・クイズ」などで見かけるような簡単な仕組みの問題として出題しました。

3 級例題 2.（1 問は 22 年類似問題）

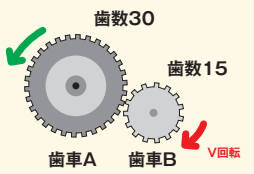
滑車の問題



滑車がロープで繋がれています。ロープが赤矢印の方向（向かって左）に動くとき「反時計周り」に回る滑車はどれでしょうか。

正解：CとE

歯車の問題



歯車Aと歯車Bが噛み合っている時、歯車Aが1回転すると歯車Bは何回転するでしょうか。

正解：歯数比から2回転

③ 工作機械関連知識を学ぶ

現在受験可能な第7回3級の加工関連問題では、加工には材料の不要部分を切り取る切削加工と、材料をつぶす、延ばす、曲げたりして変形させる非切削加工（塑性加工）があることを説明し、写真から正しい答を選ぶ問題が出題されています。このヒント（説明）があることで、問題に取り組みやすくなるのと共に、工作機械関連知識を身に着けられると考えられます。

以上のような基本知識の教育を兼ねた3級検定は、現在は受験者の多くが高専生以上の学生と会社員で占められていますが、将来の小学校高学年・中学生の受験も視野に入れ、これからも内容の改善を図っていきます。

Event Calendar

November 5 (Tue.)

Conference Tower 会議棟 International Conference Room, Conference Tower 7F

13:00 – 14:00 Keynote Speech
Bring your dreams to manufacturing!
THK's pursuit of a new-concept EV

South 南 Organizers Main Stage South Hall 1, Additive Manufacturing Area

13:00 – 14:00
Changing The Future of Die Casting Leads to the Change of Metal AM of Mold Manufacturing

14:00 – 16:00
Western companies tackling the challenges of AM head-on

November 6 (wed.)

Conference Tower 会議棟 Reception Hall, Conference Tower 1F

13:00 – 14:15 Special Lecture
Monozukuri manufacturing is about Developing People

South 南 Organizers Main Stage South Hall 1, Additive Manufacturing Area

13:00 – 16 :15
AM Seminar by Japan Machine Tool Builders' Association

November 7 (Thu.)

Conference Tower 会議棟 Reception Hall, Conference Tower 1F

12:30– 18:00
IMEC2024 (The 20th International Machine Tool Engineers' Conference) Oral Session

South 南 Organizers Main Stage South Hall 1, Additive Manufacturing Area

10:00 – 12:00
The latest status of social implementation of Japanese 3D printers Morning session

13:00 – 16:00
The latest status of social implementation of Japanese 3D printers Afternoon session





November 8 (Fri.)

Conference Tower 会議棟 International Conference Room, Conference Tower 7F Reception Hall, Conference Tower 1F

13:00 – 14:00 Special Lecture
International Conference Room, Conference Tower 7F
Cross-Industry Collaboration in Action: Exploring Open Innovation Management with JSOL at Maeda Corporation Fantasy Marketing Department

13:00 – 18:00 Reception Hall, Conference Tower 1F
IMEC2024 (The 20th International Machine Tool Engineers' Conference) Oral Session

South 南 Organizers Main Stage South Hall 1, Additive Manufacturing Area

10:00 – 11:00
How the West is working to address the challenges of additive manufacturing

11:00 – 12:00
ShareLab

12:00 – 13:00
Mass Production of AM as a Business

13:00 – 16:00
AM utilization starts with automation of overlay welding repair and dissimilar metal coating

November 9 (Sat.)

Conference Tower 会議棟 International Conference Room, Conference Tower 7F

12:30– 15:10 Students only
Top Seminar by Machine Tool Manufacturers for Students

South 南 Organizers Main Stage South Hall 1, Additive Manufacturing Area

10:00 – 11:00
Applications and challenges as repair techniques for metal AM

11:00 – 13:00
ShareLab

13:00 – 14:00
A Practical Guide to 3D Printing

14:00 – 15:00
Technology and Business Trends in Additive Manufacturing and 3D Printing from Global viewpoint

November 10 (Sun.)

Conference Tower 会議棟 Reception Hall, Conference Tower 1F

10:30 – 11:30 Special Lecture
10:30 – Development of Space Robots
11:00 – Daily Life of Women in STEM (Monozukuri)

South 南 Organizers Main Stage South Hall 1, Additive Manufacturing Area

10:00 – 13:55
Manufacturing Revolution:
Breaking Through Manufacturing Barriers with Additive Manufacturing

10:00 – 10:55
Utilization of metal AM for aluminum die-casting dies
11:00 – 11:55
The Production of Die-Casting Mold Components Using Multi-Laser AM Equipment and Future Developments
12:00 – 12:55
Giga cast technology trends and die casting technology
13:00 – 13:55
Achievements for mold repair and technology development by 5-axis DED hybrid machine

14:00 – 15:55
「Additive Manufacturing Pioneering New Frontiers in Manufacturing: Unconstrained by Conventional Wisdom」

South 南
South Hall 4 Academic Area

IMEC2024 Poster Session

November 5 (Tue.) - 10 (Sun.) 9:00-17:00

* Personnel who give explanations from participating organizations are scheduled to be present from 9:00 to 12:00 on November 7 (Thu.) and 8(Fri.) 9 (Sat.)

Open Cafe

A free space for visitors, with Wi-Fi and drinks. Enjoy a break and the multi-purpose stage!

See the multi-purpose stage program here (Japanese Only) ▶

Conference Tower 会議棟

Lectures / Seminars

International Conference Room, Conference Tower 7F ／
Reception Hall, Conference Tower 1F

Free of charge

* Pre-registration is required for lectures and seminars.
* On-site registration is accepted on a space available basis only.

J Japanese (including interpretation) E English
M Multilingual Translation (AI Translation included)

Keynote Speech

J E M

International Conference Room, Conference Tower 7F November 5 (Tue.) 13:00～14:00

Bring your dreams to manufacturing! THK's pursuit of a new-concept EV

THK was the first company in the world to develop the LM Guide, which is a critical element of machine tools. As a result of honing this technology alongside our ball screw expertise, we were able to unveil our original EV prototype that features the latest in EV technology, the LSR-05, at JMS 2023. In this talk, SNDP's Shiro Nakamura (formerly from Nissan) and I will discuss the path that led us to today as well as the road ahead.



THK CO., LTD.
Chairman/CEO **TERAMACHI Akihiro**



SN Design Platform
President **NAKAMURA Shiro**



Special Lecture

J E M

Reception Hall, Conference Tower 1F November 6 (Wed.) 13:00～14:15

Monozukuri manufacturing is about Developing People

Manufacturing is facing a turbulent era with CN and digital transformation on the horizon. Hence, we always value "honing people for the coming era". With our"Genba First"mindset, based on our experiences by always being present on-site, We will give you presentation about value for honing people.



TOYOTA MOTOR CORPORATION
Executive Fellow **KAWAI Mitsuru**

Special Lecture

J E M

International Conference Room, Conference Tower 7F November 8 (Fri.) 13:00～14:00

Cross-Industry Collaboration in Action: Exploring Open Innovation Management with JSOL at Maeda Corporation Fantasy Marketing Department

The Maeda Corporation Fantasy Marketing Department began in 2003 as a cross-industry co-creation public relations activity and achieved success by being adapted into stage plays and movies. Together with JSOL employees, we will discuss the management methods and idea generation techniques that create something from nothing as concrete examples of co-creation



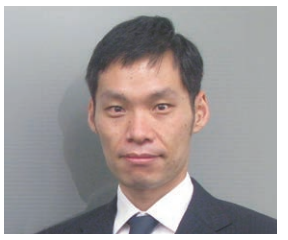
©永井 豪 / ダイナミック企画・MZ製作委員会



Maeda Corporation Executive Officer
Department of Transportation Systems Engineering, College of Science and Technology, Nihon University,Visiting Professor
IWASAKA Teruyuki



JSOL Corporation
Engineering Technology Div.
Section manager **ODA Hodaka**



JSOL Corporation
Engineering Technology Div.
AMANO Shinichi

Special Lecture

Reception Hall, Conference Tower 1F November 10 (Sun.) 10:30～11:30

10:30～11:00 J E M

Development of Space Robots

With expansion of the space exploration, the robot application, "Service Robot in Space" (SRS), providing service becomes popular to a human in space. Several JAXA space robot systems will be presented and the attendees will understand the process how to manufacture the complicated systems.



JAXA, Human Spaceflight Technology Center
Senior Manager **OTSUKA Akiko**

11:00～11:30 J E M

Daily Life of Women in STEM (Monozukuri)

Through the panel discussion among women in STEM (engineer in private company, researcher in university and/or engineer in research organization), attendees can catch the clue to enter the manufacturing world.



JAXA, Human Spaceflight Technology Center
Senior Manager **OTSUKA Akiko**



Astroscale
Guidance Navigation Control Engineer
IWASAWA Aria



Nihon University,
College of Science and Technology, Department of Aerospace Engineering
Associate Professor **TAKAHASHI Akiyo**



Yamaguchi University,
Department of Mechanical Engineering, Graduate School of Sciences and Engineering for Innovation
Associate Professor **BANNO Ayana**



IHI AEROSPACE Co., Ltd.,
Corporate Planning Department, Business Development Group
General Manager **FUKUNAGA Mihoko**

IMEC2024 (The 20th International Machine Tool Engineers' Conference)

Oral Session

J E Fees required

Reception Hall A, Conference Tower 1F November 7 (Thu.) 12:30～18:00/November 8 (Fri.) 13:00～18:00

Overall theme "Manufacturing technology to create future societies"

Various speakers from Japan an overseas give the speeches on the latest technology trends in four sessions, "Challenges and the future of manufacturing towards a sustainable society","Digital technology changing the future of manufacturing industries", "Continuously evolving automation technology", "Machining technologies for new value creation".



For the registration and inquiries for Oral Session

Japan Machine Tool Builders' Association IMEC Office
+81-3-3434-3961
https://www.jmtba-imec.jp/
Email：imec@jmtba.or.jp

Top Seminar by Machine Tool Manufacturers for Students

Free of charge Students only

International Conference Room, Conference Tower 7F
November 9 (Sat.) 12:30～15:10

*A networking event with companies will be held after the seminar.



For inquiries for the Seminar

Technical Dept., Japan Machine Tool Builders' Association
+81-3-3434-3961
https://www.jmtba.or.jp/news/news2024/
Email：topseminar@jmtba.or.jp

South 南

Lectures / Seminars in AM Area

South Hall 1 - Organizers Main Stage

November 5 (Tue.)

13:00 | 14:00 Changing The Future of Die Casting Leads to the Change of Metal AM of Mold Manufacturing

NIHON SEIKI Co., LTD.
Managing Director MATSUBARA Masato



14:00 | 16:00 Western companies tackling the challenges of AM head-on

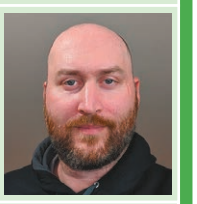
14:00 | 14:30 Challenges of Adopting Large Metal Powder Bed Fusion Printers

Additive Industries
Account Manager Tim Julsing



14:30 | 15:00 A Multi-Grid Modeling approach to thermomechanical simulation of AM parts

PanOptimization LLC
Principal Engineer Tyler Nelson



15:00 | 15:30 Software-defined inspection with industrial X-ray CT

Lumafield
Co-Founder and Head of Product Andreas Bastian



15:30 | 16:00 Sustainable Manufacturing for a Circular Economy

Continuum Powders
President - Asia Pacific Phil Ward



November 6 (wed.)

13:00 | 16:15 AM Seminar by Japan Machine Tool Builders' Association

13:00 | 15:15 Introduction of latest technology AM equipment manufactures

〈Presenters〉 SIEMENS K.K., C&G SYSTEMS INC., MITSUBISHI ELECTRIC CORPORATION, YAMAZAKI MAZAK CORPORATION, OKUMA CORPORATION, DMG MORI CO.,LTD., JEOL LTD., MATSUURA MACHINERY CORPORATION, SODICK CO., LTD.

15:15 | 16:15 Panel Discussion

〈Facilitator〉 Prof. Dr. FURUMOTO Tatsuaki (Kanazawa University)
〈Panelistr〉 Prof. Dr. SASAHARA Hiroyuki (Tokyo University of Agriculture and Technology) and Seminar Presenter

November 7 (Thu.)

10:00 | 12:00 The latest status of social implementation of Japanese 3D printers (Morning session)

10:15 | 11:10 Developments and Prospects of Next-Generation Industrial 3D Printers – Laser Beam System –

TRAFAM/Kindai University
President/Emeritus Professor
KYOGOKU Hideki



11:10 | 12:00 Research and Development in Electron Beam type Additive Manufacturing

New Industry Creation Hatchery Center, Tohoku University
Professor Emeritus (Institute for Materials Research)
CHIBA Akihiko



November 7 (Thu.)

13:00 | 16:00 The latest status of social implementation of Japanese 3D printers (Afternoon session)

13:00 | 13:20 Trends in the machine parts and tooling industry and expectations for additive manufacturing

Ministry of Economy, Trade and Industry
Manufacturing Industries Bureau
Machine Parts and Tooling Industries Office
Manager HOSHINO Masashi



13:20 | 13:50 Applications of the domestic sand casting 3D printer "SCM-1800" to the production of general industrial machinery parts

TSURUMI MANUFACTURING CO.,LTD. Technical Division
General Manager
KATSURADA Nobuya



13:50 | 14:20 Application example of sand 3D printer "SCM-800 II ".

PROTO CO., LTD.
PRESIDENT
HASEGAWA Yoshinari



14:30 | 15:00 Pioneering the future of manufacturing! Latest large-scale metal 3D printer application technology and additive manufacturing for plants and industrial machinery

JFE Engineering Corporation, Planning Section, Tsurumi Works, Infrastructure Engineering Sector
Manager MIZUGUCHI Kazuo



15:00 | 15:30 3D additive manufacturing development of copper by selective electron beam melting and its application for manufacturing induction heating coils

NDK Inc.
Department General Manager
OHNUMA Ippei



15:30 | 16:00 [GENERAL DISCUSSION] The latest status of social implementation of Japanese 3D printers

〈MODERATOR〉 TRAFAM/Kindai University
President/Emeritus Professor KYOGOKU Hideki
〈PANELIST〉 Each Presenter



November 8 (Fri.)

10:00 | 11:00 How the West is working to address the challenges of additive manufacturing



Lead Consultant, Layered Ltd
CEO
Peter Rogers



Additive Industries
Account Manager
Tim Julsing



PanOptimization LLC
Principal Engineer
Tyler Nelson



Lumafield
Co-Founder and Head of Product
Andreas Bastian



Continuum Powders
President - Asia Pacific
Phil Ward

11:00 | 12:00 ShareLab

ShareLab

業務用3Dプリンター / AM技術の情報ポータル ShareLab

12:00 | 13:00 Mass Production of AM as a Business

TÜV SÜD Japan Ltd.
Additive Manufacturing Expert
NAGANO Chiyo



Free of charge

* Pre-registration is required for lectures and seminars.
* On-site registration is accepted on a space available basis only.

J Japanese (including interpretation) E English M Multilingual Translation (AI Translation included)

November 8 (Fri.)

13:00 | 16:00 AM utilization starts with automation of overlay welding repair and dissimilar metal coating. J

JSAM



〈Chairmanship〉
Japanese Society of Additive Manufacturing
managing director
SAWAKOSHI Toshiyuki



Ministry of Economy,Trade and Industry
Machine Parts and Tooling Industries Office
Manufacturing Industries Bureau
YONEHARA Makiko

BattleTalk 1 (30 Mins.)

Latest technology and mass production parts with Additive Manufacturing of DMGMORI



DMG MORI CO., LTD.
Operating Officer for R&D In charge of AM
General Manager, AM Department
HIRONO Yoko, P.E. Jp.

BattleTalk 2 (30 Mins.)

Introduction of TNSC' s Advanced AM Solution: Wire DED Metal 3D Printers



TAIYO NIPPON SANSO CORPORATION
Sales & Marketing Dept. Innovation Div.
Innovation Unit
General Manager **ASAI Junichiro**

BattleTalk 3 (30 Mins.)

Latest Technological Trends in the DED-Type 3D Metal Additive Manufacturing Machine, LAMDA



NIDEC MACHINE TOOL CORPORATION
Machining Center Division Development Group 2 Team 5
Team Leader **TAUCHI Hiroyuki**

BattleTalk 4 (30 Mins.)

Future manufacturing using the Wire Laser Metal 3D Printer AZ600



Mitsubishi Electric Corporation Industrial Mechatronics Systems Works
Additive Manufacturing System Design Section
Laser Systems Dept.
Senior Manager **KOBA Ryogo**

BattleTalk 5 (30 Mins.)

Introduction of fine-DED system [ALPION] and application examples



MURATANI MACHINE MANUFACTURE CO.,LTD.
Product Development Department
SAKON Yu

November 9 (Sat.)

10:00 | 11:00 Applications and challenges as repair techniques for metal AM J



National Institute of Advanced Science and Technology
Senior Researcher
SATO Naoko

11:00 | 13:00 ShareLab J

業務用3Dプリンター / AM技術の情報ポータル ShareLab

ShareLab

13:00 | 14:00 A Practical Guide to 3D Printing J



Japan 3D Printing Industrial Technology Association
Researcher
YAMAGUCHI Kiyoshi

14:00 | 15:00 Technology and Business Trends in Additive Manufacturing and 3D Printing from Global viewpoint J



Japan 3D Printing Industrial Technology Association
Managing director / researcher
MATSUOKA Tsukasa

November 10 (Sun.)

10:00 | 13:55 Manufacturing Revolution: Breaking Through Manufacturing Barriers with Additive Manufacturing J



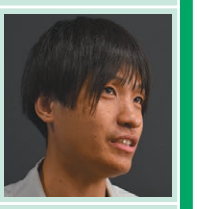
〈Chairmanship〉
Value Finder., Inc.
CEO
OYANAGI Hirofumi

10:00 | 10:55 Utilization of metal AM for aluminum die-casting dies



Production Engineering Development Center,
CS Project & Aluminum Engineering Dept. Compressor Div.
TOYOTA INDUSTRIES CORPORATION
Project Leader **SATO Ryosuke**

11:00 | 11:55 The Production of Die-Casting Mold Components Using Multi-Laser AM Equipment and Future Developments



Castec Inc.
Group Leader **HOSOBUCHI Natsumi**

12:00 | 12:55 Giga cast technology trends and die casting technology



Research and Development Department
Die Casting Planning and Development Division RYOBI LIMITED
Chief Advisor **KAMI Shigetake**

13:00 | 13:55 Achievements for mold repair and technology development by 5-axis DED hybrid machine



FUJI CO., LTD.
General Manager of AM Technology Department **YOSHIDA Natsuki**

14:00 | 15:55 [Additive Manufacturing Pioneering New Frontiers in Manufacturing: Unconstrained by Conventional Wisdom] J

〈Facilitator〉



Value Finder., Inc.
CEO
OYANAGI Hirofumi

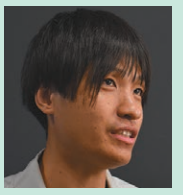


KANAGATA SHINBUN CO.,LTD.
manager
YAMAMOTO Yoshihiro

〈Panelist〉



Production Engineering Development Center,
CS Project & Aluminum Engineering Dept.
Compressor Div.
TOYOTA INDUSTRIES CORPORATION
Project Leader **SATO Ryosuke**



Castec Inc.
Group Leader
HOSOBUCHI Natsumi



Research and Development Department
Die Casting Planning and Development Division
RYOBI LIMITED
Chief Advisor
KAMI Shigetake



FUJI CO., LTD.
General Manager of AM Technology Department
YOSHIDA Natsuki



NIHON SEIKI Co., LTD.
Managing Director
MATSUBARA Masato

Conference Tower 会議棟

Exhibitor Workshops

Conference Room 605-608, Conference Tower 6F

J Japanese (including interpretation) E English

November 5 (Tue.)

11:00 | 12:00

605 Conference Room

A1-① W1054 MITSUBISHI MATERIALS CORPORATION J
New Endmill High-efficiency, high-precision machining
Lecturer: Yuki Matsuoka

606 Conference Room

A1-② E5029 Vero Software KK J
Introduction of Hexagon solutions (measuring machines, CAD/CAM, CAE) for labor saving in design and manufacturing
Lecturer: Yuichi Kondo :Business Development,Metrology & Production Software Business Unit

607 Conference Room

A1-③ W2004 FIRSTEC CORPORATION (+81)-72-960-3340 J
How to use magnetic chucks and improve productivity
Lecturer: Yasuhito NAKAI, CEO Firstec Corporation

608 Conference Room

A1-④ S3046 COOL TECH LTD. J
Mix alkaline ionized water with cutting fluid for environmental protection!
Lecturer: Hiroki Sugioka

13:00 | 14:00

605 Conference Room

A2-① E2043 SHIBAURA MACHINE CO., LTD. J
Requirements of precision machining and introduction of the machines that meet them
Lecturer: Yu Murofushi

606 Conference Room

A2-② W1047 Fuji Die Co.,Ltd (+81)-3-3759-7124 J
Introduction of the cemented carbide V series for motor core molds
Lecturer: Fuji Die Co., Ltd. Technical Development division Materials Development Department Assistant General Manager Kouhei Wada

607 Conference Room

A2-③ S3106 KEIHIN RAMTECH Co., Ltd. (+81)-45-620-6460 J
Basic Characteristics of Synchronized Stir Welding and its Prospects
Lecturer: IPPEI SATO

608 Conference Room

A2-④ W1029 Mizuho Industries Co., Ltd. (+81)-6-6471-4721 J
Special surface modification treatment
Lecturer: Osawa Fumikazu

15:00 | 16:00

605 Conference Room

A3-① E7107 MARPOSS K.K. J
Your first step to machine and process monitoring. Start reducing since tomorrow your tool costs and monitoring your machine
Lecturer: Yasuhiro Kurahashi, Group Manager, MMS Technical Development Group

606 Conference Room

A3-② E4007 ENEOS Corporation J
Contribution to Carbon Neutrality by Using ENEOS Lubricants
Lecturer: Lubricants R&D Department, General Manager, Koji Hoshino, Ph.D.

607 Conference Room

A3-③ E7116 Hexagon Metrology K.K. J
Automation technology in measurement
Lecturer: Junichi Goto

608 Conference Room

A3-④ AM103 Kanematsu KGK Corp. (+81)-3-5579-5863 J
Introduction for JINGDIAO- Precision CNC machine tool Examples of Precision Machining Solutions
Lecturer: New Business Promotion HQ New Business Promotion Dept. New Business Development and Technical Sales Support Office

November 6 (wed.)

11:00 | 12:00

605 Conference Room

B1-① W1020 OSG Corporation (+81)-533-82-1118 J
Press conference for OSG new products
Lecturer: Tetsuya Mizoguchi, Takahiro Yamamoto

606 Conference Room

B1-② W1034 IWATA TOOL Co.,Ltd. (+81)-52-739-1080 J
Methods and examples of reducing machining time
Lecturer: Iwata Masanao

607 Conference Room

B1-③ E7123 HEIDENHAIN K.K. (+81)-3-3234-7781 J E
Advanced Encoder Technology
Lecturer: Mr. Helmut Kügel / Mr. Yuzo Ogata

608 Conference Room

B1-④ E6035 ModuleWorks GmbH J E
Target Digital Factory: Smarter Machines and Digitalization for Solving the Manufacturing Challenges on the Shop Floor
Lecturer: Fabian Tarara and Sven Odendahl

13:00 | 14:00

605 Conference Room

B2-① E1089 United Grinding Group Management AG (+81)-566-71-1666 J E
New Laser machining by WALTER
Lecturer: Dr. Claus Dold

606 Conference Room

B2-② E7111 EUROTECHNO Inc. (+81)-3-3391-1311 J
How to choose the suitable 3D measurement system
Lecturer: Fumihiko Ohara (Eurotechno), Soichi Akimoto (Bruker Japan)

13:00 | 14:00

607 Conference Room

B2-③ W2017 THK CO., LTD. (+81)-3-5730-3845 J
Further developments are expected in the near future of OMNIedge
Lecturer: THK CO., LTD. Managing Executive Officer Industrial Machinery FA Solution Sales Division FA Solution Sales Division. Head Takuya Sakamoto

608 Conference Room

B2-④ E7069 HARTING K.K. J
Maintenance Solutions for Machine Tools and Equipment: from Connectors to IoT Products
Lecturer: TBD

15:00 | 16:00

605 Conference Room

B3-① E7131 Mitutoyo Corporation J
The Future of Manufacturing Opened Up by 3D Measurement
Lecturer: Mitutoyo Corporation Fellow Makoto Abe

606 Conference Room

B3-② WA002 IHI Corporation J E
IHI Hauzer and IHI Bernex Advanced Deposition Technologies
Lecturer: Masaaki Takizawa, Daniel Schranz

607 Conference Room

B3-③ W1035 TANOI MFG.CO.,LTD. (+81)-48-092-1731 J
What is Robot Machining?!
Lecturer: Takeharu Oka

608 Conference Room

B3-④ AM103 Kanematsu KGK Corp. (+81)-3-5579-5863 J
Introduction for JINGDIAO- Precision CNC machine tool Examples of Precision Machining Solutions
Lecturer: New Business Promotion HQ New Business Promotion Dept. New Business Development and Technical Sales Support Office

November 7 (Thu.)

11:00 | 12:00

605 Conference Room

C1-① E4012 FUJI-DENSHI (+81)-72-991-1361 J
Carbon Neutrality and the Potential of High Frequency Induction Heating
Lecturer: Manabu Dohsaka, Genshi Shiota

606 Conference Room

C1-② W1057 NS TOOL CO.,LTD. J
Effective use of high-precision small diameter end mills to reduce machining errors from 0.01mm to 0.002mm.
Lecturer: Satoshi Chida, Manager, Research and Development Division, Development Group, Development Department, NS Tool Co., Ltd.

607 Conference Room

C1-③ E2008 YKT CORPORATION (+81)-3-3467-1252 J
USACH's high-efficiency grinding technology for SiC boules and PEMTEC's high speed Precision Electrochemical Machining technology for tungsten carbide and difficult-to-machine materials
Lecturer: YKT CORPORATION

608 Conference Room

C1-④ E1025 MARUKA FURUSATO CORPORATION J
ARUM Inc.
Lecturer: TAKAYUKI HIRAYAMA

13:00 | 14:00

605 Conference Room

C2-① W1056 NACHI-FUJIKOSHI CORP. J
Introduction to Burrless Series
Lecturer: Toshihiro Hoshiba

606 Conference Room

C2-② W1058 Oerlikon Japan Co., Ltd. J E
BALINIT® ALCRONA EVO - A PVD coating for outstanding performance and significant tool cost savings
Lecturer: Ivan Iovkov

607 Conference Room

C2-③ E7119 FARO Japan, Inc. (+81)-52-890-5011 J
New measurement methods using FARO's 3D measuring devices
Lecturer: Koichi Fujinaka

608 Conference Room

C2-④ E3042 YONEZAWA KOKI CO., LTD. (+81)-3-3703-2131 J
Traceability Issues and Countermeasures in Manufacturing (Individual Identification by Image Recognition)
Lecturer: GAZIRU,INC. PRESIDENT SHIGEKAZU FUKUZAWA

15:00 | 16:00

605 Conference Room

C3-① W1039 Sandvik K.K. (Dormer Pramet) (+81)-90-9136-6802 J E
Introduction to Dormer Pramet
Lecturer: Koji Ijuin

606 Conference Room

C3-② E7056 Universal Robots (+81)-3-3452-1202 J
Introducing PolyScope X, the next gen cobot system development platform
Lecturer: TBC

607 Conference Room

C3-③ E5018 ITOCHU Techno-Solutions Corporation (+81)-80-3697-6096 J
The new approach for the cutting simulation
Lecturer: Eto Hisao

608 Conference Room

C3-④ S3021 SKF Japan Ltd. J
Introduction of SKF engineering support and super precision bearings with new materials for high-speed and high-load spindles
Lecturer: Koji Kaneko

November 8 (Fri.)

11:00 – 12:00	605 Conference Room	D1-①	S2001	FANUC CORPORATION	J
		①Solve labor shortages with FANUC robots! Machining automation using easy to use collaborative robots even for first-time users ②Case Study of Data Improvement at FANUC Factory Lecturer:①Masahiro Morioka ②Yoshihito Sasuga			
	606 Conference Room	D1-②	S2002	Mitsubishi Electric Coporation	J
		AI Diagnostic Tool for CNC Machining 「NC MachiningAID」 ～The Fully Automated Line Aimed by Mitsubishi Electric CNC～ Lecturer:Tetsushi Ishida			
	607 Conference Room	D1-③	E7132	Blum-Novotest K.K (+81)-568-74-5311	J
		The imminent reality of the manufacturing site. Start on-machine measurement and automation. Lecturer:Ryo Takamura			
	608 Conference Room	D1-④	E5019	Beckhoff Automation K.K.	J
		Monitoring research for cutting process and research cases at German research institutes by using PC-based CNC Lecturer:Junichi Kouguchi			
13:00 – 14:00	605 Conference Room	D2-①	E3034	MAKINO MILLING MACHINE CO.,LTD.	J
		Proposal of high value-added die & mold machining realized by the next generation V series Lecturer:Mishima Takahiro			
	606 Conference Room	D2-②	E1072	AMADA CO.,LTD.	J
		The next-generation manufacturing pioneered by AMADA's laser welding solution Lecturer:Harumi Nishiyama			
	607 Conference Room	D2-③	E2043	SHIBAURA MACHINE CO., LTD.	J
		New Machining Technology for Manufacturing, ～What is Friction Stir Welding(FSW)?～ Lecturer:Ken Ito			
	608 Conference Room	D2-④	W2021	NIKKEN KOSAKUSHO WORKS, LTD.	J
		Tooling & Rotary Table : Nikken unique Dual-technology Lecturer:Takahiro Kawata			
15:00 – 16:00	605 Conference Room	D3-①	E5034	CITIZEN MACHINERY CO., LTD.	J
		Support functions to reduce customers' business task. Lecturer:Application Development Section, Development Dept. Manager Kazuyuki Izumi			
	606 Conference Room	D3-②	W1043	DIJET INDUSTRIAL CO., LTD (+81)-6-6794-0160	J
		About deep digging processing technology by carbide shank arbor and high-performance aluminum indexable tools Lecturer:Yoshihide Kurashiki			
	607 Conference Room	D3-③	W1015	UNION TOOL CO. (+81)-3-5493-1023	J
		Tips for Optimizing Milling Experience : High Precision and Efficient Milling Techniques with Our Latest End Mills Lecturer:Watanabe Masahide Manager Milling Tool Development Section 2nd Tool Engineering Department			
	608 Conference Room	D3-④	W1071	Kobe Steel, Ltd.	J
		PVD coating technology for Cutting and Molding tools Lecturer:Kohei Otsuka			

November 9 (Sat.)

13:00 – 14:00	605 Conference Room	E2-①	E4056	Data Design Co., Ltd. (+81)-52-953-1588	J
		Proposal for improvement of machined surface quality by cutting force analysis software “Toolyzer” Lecturer:Taiki Izawa			
15:00 – 16:00	605 Conference Room	E3-①	E5022	Computer Engineering & Consulting Ltd. (+81)-3-5789-2455	J
		Proposals for utilizing digital data to accelerate GX and examples of manufacturing DX initiatives Lecturer:Naoki Ichimura			
	606 Conference Room	E3-②	WA019	Ayabo Corporation (+81)-566-71-1060	J
		A Quarter Century of Major Change! The Reach of the Latest Coatings and the Time-Delayed Self-Excited Oscillation Model - Cutting Tools Lecturer:Ayabo Corporation Katsushi Fujii, Naoyuki Hirata / OITA UNIVERSITY Takahiro Ryu / KAGOSHIMA UNIVERSITY Kenichiro Matsuzaki			
	607 Conference Room	E3-③	E5042	CGTech (+81)-3-5911-4688	J
		Fllexible Machining by CAM-POST Lecturer:TODA RACING Co.,Ltd. Shigeru Nakagawa			
	608 Conference Room	E3-④	AM103	Kanematsu KGK Corp. (+81)-3-5579-5863	J
		Introduction for JINGDIAO- Precision CNC machine tool Examples of Precision Machining Solutions Lecturer:New Business Promotion HQ New Business Promotion Dept. New Business Development and Technical Sales Support Office			

South 南

AM Area Exhibitor Workshop

South Hall 1, Exhibitor Workshops Venue

J Japanese (including interpretation) E English

November 6 (wed.)

11:30 – 12:30	H2	AM132	NIDEC MACHINE TOOL CORPORATION		J
	The Latest Application Examples of 3D metal additive manufacturing machines (powder DED / Binder jetting) Lecturer:Yuiko Egawa				
13:15 – 14:15	H3	AM105	JAPAN 3D PRINTER Co.,Ltd		J
	Factory Floor 3D Printing in Carbon Fiber & Metal Materials Lecturer:Thomas Pang				

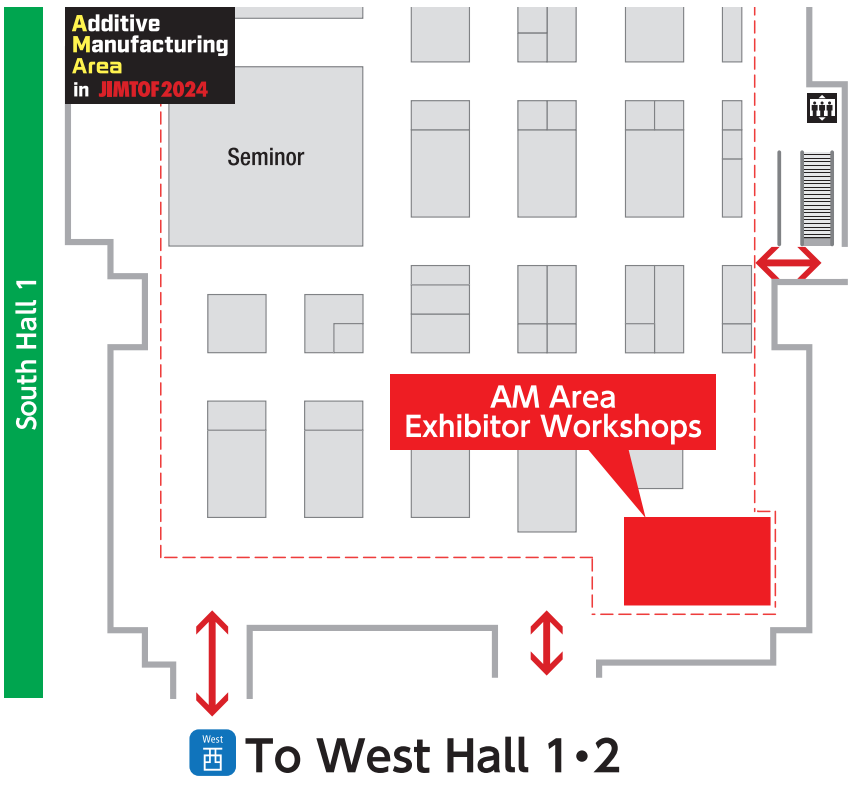
November 7 (Thu.)

11:30 – 12:30	I2	AM133	SK Fine Co.,Ltd.	(+81)-77-566-1201	J
	Ceramic 3D printer business introduction and future prospects Lecturer:Tadakatsu Asano				
13:15 – 14:15	I3	S2002	Mitsubishi Electric Coporation		J
	Introducing efforts towards practical application in the manufacturing field Lecturer:Satoshi Hattori				
15:00 – 16:00	I4	AM117	3D Systems Japan	(+81)-3-5798-2500	J
	3D SYSTEMS New Products Introduction Lecturer:Takao Namiki				

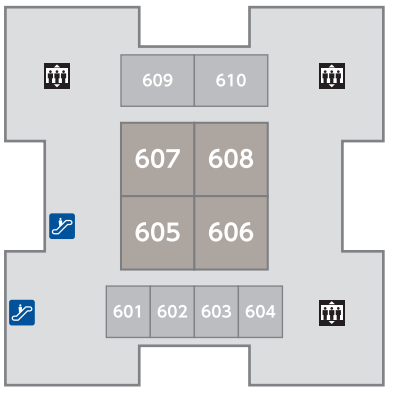
November 8 (Fri.)

11:30 – 12:30	J2	E4015	Sodick Co., Ltd.	(+81)-45-330-4816	J
	Application Examples and Proprietary Technologies for Die-Casting Molds Created by Sodick Metal 3D Printer Lecturer:Nahoko TAWARA				
13:15 – 14:15	J3	E7024	Volume Graphics Co., Ltd.		J
	Hexagon's Additive Manufacturing Solutions Lecturer:Shuhei Kinoshita				

AM Area Exhibitor Workshop



Conference Tower 6F Conference Room 605-608



東 ホール出展各社 新価値示す注目の工作機械

Exhibitors in the East Hall, Remarkable Machine Tools Demonstrating New Value

JIMTOF では工作機械メーカーが革新的な技術開発や未知の市場の開拓に向けた新たな試みに取り組む姿が見られる。その中から“新価値”の創造と追求に挑む東ホールの注目出展をピックアップする。

At JIMTOF, you can see machine tool manufacturers taking on new challenges in developing innovative technologies and exploring undiscovered markets. Among them, we will pick out noteworthy exhibits, which are challenging to create and pursue "new value," displayed in the East Hall.

エネルギー業界の需要に対応

Meeting the Demands of the Energy Industry

芝浦機械は業界最大サイズの横中ぐりフライス盤「BTH-150.R35」の展示が人目を引く。「造船関係や風力発電機関連の需要をにらんで開発した」と同社。Y軸の移動量を従来比1.5倍強の3.5mに拡大し、大物ワークが加工できるようにした。同機は直径150mmの中ぐり中心で、剛性の高い繰り出し加工を実現。エネルギー業界を中心に、重厚長大ワークの加工用に提案営業を図る。「風力発電機も効率アップのため洋上風力などで大型化が進み、大物ワーク対応需要が増えている」（同社）という。

Shibaura Machine's BTH-150.R35, which is the industry's largest horizontal boring and milling machine, is eye-catching. "We developed this machine to meet demand from shipbuilding and wind power generators," the company said. The Y-axis travel has been increased to 3.5 meters, more than 1.5 times that of previous models, making it possible to machine large workpieces. The machine focuses on a 150mm diameter boring spindle, enabling highly rigid feed processing. The company plans to propose and market the machine for processing heavy, long workpieces, primarily to the energy industry.

"Wind turbines are also becoming larger for offshore wind power generation and other applications to improve efficiency, and demand for processing large workpieces is increasing," the company said.



風力発電機など大物ワークに対応できる芝浦機械の横中ぐりフライス盤「BTH-150.R35」
Shibaura Machine's horizontal boring and milling machine, BTH-150.R35, can handle large workpieces such as wind turbines.

最新機能で大幅な省力化・省人化を可能に

The Latest Functions Enable Significant Labor Savings and Workforce Efficiency

ソディックはリニアモーター駆動の大型ワイヤ放電加工機「ALN800G "i Groove + Edition"」を出品。X、Y、U、Vの４軸リニアモーター駆動で、ワイヤ回転機構のi Grooveにより、常に無消耗のワイヤ面で仕上げ加工を行う。電力を供給する通電コマの自動送り機能により、長期メンテナンスフリーな点が特徴。タブレット機器を用いて、離れたオフィスから複数台の機械を遠隔操作することも可能だ。工場では離れた場所から作業者が１人で５台程度のマシンを操作することが普通で「この機能で大幅に省力化、省人化できる」（同社）。



遠隔操作や複数台操作機能を備えたソディックの大型ワイヤ放電加工機「ALN800G」
Sodick's large-scale wire EDM machine, ALN800G, is equipped with remote control and multiple machine operation functions.

Sodick is exhibiting the ALN800G "i Groove + Edition," a large-scale linear motor driven wire EDM machine. Driven by four linear motors on the X, Y, U, and V axes, the i Groove wire rotation mechanism ensures that finishing is performed using a wear-free wire surface only. The automatic feed function of the power feed contact that supplies power means that the machine is maintenance-free for a long period of time. It is also possible to remotely operate multiple machines from a remote office using a tablet device. In factories, it is common for one worker to operate around five machines from a remote location, so "this function can significantly reduce the amount of labor and workers required," the company said.

工程集約とGXを全面に

Focusing on Process Consolidation and GX

DMG森精機は「マシニング・トランスフォーメーション（MX）」をテーマに、複合機・5軸加工機などによる工程集約、ユーザーの生産性向上に貢献する自動化システム、地球環境の保護に貢献するグリーン・トランスフォーメーション（GX）の取り組みを紹介。5軸加工機「NMV5000」の展示では、これまで専用機で加工していたギヤ部品加工の工程集約ができることをアピール。「歯車は多品種少量生産が進み、専用機だと対応が難しい。専用機ユーザーにフレキシブル対応ができる利点を訴求したい」（同社）。今後いろいろなオプションを開発し、専用機でしかできなかった加工市場を取り込みたいとしている。

Under the theme of Machining Transformation (MX), DMG Mori is introducing its process consolidation using multi-function machines and 5-axis machining centers, automation systems that contribute to improving users' productivity, and Green Transformation (GX) initiatives that will contribute to protecting the global environment. At the exhibit of 5-axis machining center, NMV5000, the company demonstrates how it is possible to consolidate the processes involved in machining gear parts, which previously were processed using dedicated machines. "In gear production, the trend is toward high-mix, low-volume production, which is difficult to achieve with dedicated machines. We want to promote the benefits of flexible response to users of dedicated machines," the company said. DMG Mori plans to develop various options in the future and capture the processing market that was previously only possible with dedicated machines.



歯車部品のギヤ加工で、これまで主流だった専用機から置き換えを狙う DMG 森精機の５軸加工機「NMV5000」
DMG Mori's 5-axis machining center, NMV5000, aims to replace dedicated machines that have been mainstream up until now in the field of machining gear parts.

THK
The Mark of Linear Motion
Official Partner of Major League Baseball
最先端の自働化
― 期待を超える 革新への"動き" ―
私たち THK は機械の直線運動部のころがり化を独自の技術により
実現し、「直線運動案内」として世界で初めて製品化。
いつの時代も、蓄積したノウハウで最先端の自働化に貢献してきました。
これからも幅広い製品とサービスで生産現場の可能性を広げていきます。

THK株式会社 マーケティング PR 統括部 TEL 03-5730-3845 www.thk.com
小間番号 西２ホール W2017
メジャーリーグベースボールの商標及び著作権は、メジャーリーグベースボールの許可に基づいて使用しています。詳しくは MLB.com を参照ください。

Unauthorized copying and/or reproduction of these contents in whole or in part are prohibited excluding exceptions under the copyright law.