

**Next** The 30th JAPAN INTERNATIONAL MACHINE TOOL FAIR  
**JIMTOF 2020** Dec.7 (Mon.) - Dec.12 (Sat.), 2020  
 TOKYO BIG SIGHT

Comparative List Showing Fair Scales Since 1st JIMTOF

Exhibition Number	Period	Location	Grounds Area	Exhibition Area	Booths	Countries/ Regions/ Represented	Exhibitors	Visitors (overseas visitors listed in brackets)
1st	1962.10/10 ~ 10/21	Osaka	137,500㎡	47,525㎡	2,938	17	461	337,593 (1,115)
2nd	1964.11/9 ~ 11/20	Tokyo	151,800㎡	63,065㎡	2,894	19	503	424,737 (1,498)
3rd	1966.10/15 ~ 10/26	Osaka	85,000㎡	25,974㎡	1,586	14	312	361,028 (1,316)
4th	1968.10/2 ~ 10/13	Tokyo	106,500㎡	48,235㎡	2,969	15	445	502,389 (1,933)
5th	1970.10/28 ~ 11/8	Osaka	192,700㎡	58,193㎡	3,683	19	409	622,248 (1,906)
6th	1972.11/15 ~ 11/26	Tokyo	193,000㎡	63,374㎡	3,697	17	500	531,714 (2,058)
7th	1974.10/24 ~ 11/4	Osaka	120,000㎡	51,179㎡	3,168	18	410	722,315 (2,561)
8th	1976.11/15 ~ 11/26	Tokyo	116,000㎡	46,617㎡	2,533	18	439	543,719 (3,644)
9th	1978.10/27 ~ 11/7	Osaka	120,000㎡	43,000㎡	2,626	17	430	636,874 (3,087)
10th	1980.10/31 ~ 11/11	Tokyo	116,000㎡	56,618㎡	3,826	21	521	601,433 (8,056)
11th	1982.10/28 ~ 11/8	Osaka	120,000㎡	55,984㎡	4,228	20	726	633,595 (9,529)
12th	1984.10/30 ~ 11/8	Tokyo	126,000㎡	66,366㎡	4,625	23	537	604,620 (10,845)
13th	1986.10/25 ~ 11/3	Osaka	219,000㎡	77,693㎡	5,438.2	23	822	520,351 (10,595)
14th	1988.10/21 ~ 10/30	Tokyo	205,615㎡	70,462㎡	4,961	25	574	627,677 (13,055)
15th	1990.10/26 ~ 11/4	Osaka	157,000㎡	64,137㎡	4,800.3	26	911	550,405 (11,874)
16th	1992.10/27 ~ 11/4	Tokyo	205,615㎡	75,000㎡	5,445.8	32	623	531,051 (10,040)
17th	1994.10/26 ~ 11/3	Osaka	128,986㎡	73,000㎡	4,325.5	24	880	425,786 (10,114)
* 18th	1996.11/12 ~ 11/19	Tokyo	243,320㎡	80,660㎡	4,958	25	565	131,347 (4,945)
* 19th	1998.10/28 ~ 11/4	Osaka	128,896㎡	76,000㎡	4,769	19	753	103,435 (4,497)
* 20th	2000.10/28 ~ 11/4	Tokyo	243,420㎡	82,660㎡	5,012	19	768	114,292 (4,741)
* 21st	2002.10/28 ~ 11/4	Tokyo	243,420㎡	82,660㎡	5,031	17	764	99,251 (3,534)
* 22nd	2004.11/1 ~ 11/8	Tokyo	243,420㎡	82,660㎡	5,037	22	832	123,319 (6,522)
* 23rd	2006.11/1 ~ 11/8	Tokyo	243,420㎡	82,660㎡	5,125	19	785	130,908 (7,159)
* 24th	2008.10/30 ~ 11/4	Tokyo	243,420㎡	85,520㎡	5,233	17	851	142,408 (8,366)
* 25th	2010.10/28 ~ 11/2	Tokyo	243,420㎡	82,660㎡	4,964	23	813	114,558 (7,628)
* 26th	2012.11/1 ~ 11/6	Tokyo	243,420㎡	82,660㎡	5,092	23	815	128,674 (8,347)
* 27th	2014.10/30 ~ 11/4	Tokyo	243,420㎡	82,660㎡	5,083	25	865	136,196 (10,527)
* 28th	2016.11/17 ~ 11/22	Tokyo	265,752㎡	98,540㎡	5,518	21	969	147,602 (11,533)
* 29th	2018.11/1 ~ 11/6	Tokyo	265,752㎡	98,540㎡	5,524	21	1,085	153,103 (12,934)

\* Multi-entries of the registered visitors counted as one since 18th JIMTOF



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CONNECT by technology  
 for the future.

# JIMTOF 2018

The 29th JAPAN INTERNATIONAL MACHINE TOOL FAIR

Organizers: Japan Machine Tool Builders' Association / Tokyo Big Sight Inc.

November 1 (Thu.) -  
 November 6 (Tue.), 2018

Tokyo Big Sight  
 (Tokyo International Exhibition Center)

[www.jimtof.org](http://www.jimtof.org)



## FINAL REPORT



Japan Machine Tool Builders' Association and Tokyo Big Sight Inc. held JIMTOF 2018 (The 29th JAPAN INTERNATIONAL MACHINE TOOL FAIR) over six days from Thursday, November 1 through Tuesday, November 6, 2018, based on the theme, "CONNECT by technology for the future."

Ever since the fair was held for the first time in 1962, JIMTOF has been praised highly, both domestically and internationally, as a Japan's representative fair for showcasing machine tools, and it was held for the 29th time.

We would like to take this opportunity to thank all the exhibitors, visitors, and cooperating organizations, as well as all the people involved in the manufacturing industry for their cooperation and support in making this fair a success.

Following the previous fair, we received numerous applications for JIMTOF 2018, in excess of the number we could accept for the exhibition.

As a result, we accepted 5,524 booths by 1,085 companies from 21 countries and regions around the world. The number of exhibitors exceeded 1,000 for the first time.

The fair was visited by (excluding repeat visitors) 153,103 people (including 12,934 visitors from overseas), with both figures far exceeding the number of visitors to the previous fair, and setting a new record since adopting the admission registration system.

In addition to the comprehensive exhibits on display at the venue, the organizers arranged to connect 292 machines of 72 companies and special exhibit booth by making use of an IoT platform. This turned the venue into one huge simulated factory allowing visitors to experience what IoT is capable of achieving.

Furthermore, various lectures and seminars were given on issues that have been attracting attention recently, including IoT, AI and EV, and workshops were held to introduce machine tools and the machine tool industry to students.

The next JIMTOF 2020 (The 30th JAPAN INTERNATIONAL MACHINE TOOL FAIR) will be held over six days from Monday, December 7 through Saturday, December 12, 2020, at Tokyo Big Sight.

The Fair Management Office will continue striving through JIMTOF to contribute to the further development of machine tools and the industries related to them, and we look forward to everyone's continued support.



**Yukio Imura,**  
Chairman  
Japan Machine Tool Builders' Association



**Kiyotsugu Ishihara,**  
President & CEO  
Tokyo Big Sight Inc.

## Outline of the fair

■ Name	JIMTOF2018 (The 29th JAPAN INTERNATIONAL MACHINE TOOL FAIR)	■ Opening Hours	9:00-17:00
■ Organizers	Japan Machine Tool Builders' Association Tokyo Big Sight Inc.	■ Venue	Tokyo Big Sight (Tokyo International Exhibition Center)
■ Supporting Organizations	Ministry of Foreign Affairs Ministry of Economy, Trade and Industry Tokyo Metropolitan Government The Japan Chamber of Commerce and Industry	■ Number of Exhibitors	1,085 (Direct exhibitors 832, Co-exhibitors & Represented Companies 253) (969 (Direct exhibitors 762.Co-exhibitors & Represented Companies 207) in previous exhibition)
■ Cooperating Organizations	Japan Machine Tool Importers' Association Japan Forming Machinery Association Japan Precision Machine Association Japan Cutting & Wear-resistant Tool Association Japan Machine Accessory Association Japan Precision Measuring Instruments Manufacturers Association Japan Grinding Wheel Association Industrial Diamond Association of Japan Japan Optical Measuring Instruments Manufacturers' Association Japan Fluid Power Association Japan Testing Machinery Association Japan Gear Manufacturers Association	■ Net Exhibit Space	5,524booths (49,716m <sup>2</sup> )
■ Purpose	For the contribution to the development of industry and trade promotion through increased international transactions and technical exchanges of machine tools and their related equipment	■ Exhibition Area	98,540m <sup>2</sup>
■ Date	November 1 (Thu.) - November 6 (Tue.), 2018 (6 Days)	■ Participating Countries/Regions	21Countries and Regions Austria,China,Czech Republic,Denmark,France,Germany, India,Israel,Italy,Japan,Korea,Liechtenstein,Norway,Portugal, Spain,Sweden,Switzerland,Taiwan,Turkey,U.K.,U.S.A.
		■ Exhibits	Machine tools (Metal cutting, Metal forming) Machine tool accessories / Tools for machines (Cutting tool & wear-resistant tool) / Diamond, CBN tools Grinding wheels and abrasives / Gears and Gear devices Oil hydraulic, water hydraulic and pneumatic machinery Precision measuring machines and instruments Optical measuring instruments / Testing machinery Controller and related software (CAD/CAMetc.) Other associated machinery and equipment, rawmaterials, technologies and publications
		■ Admission	Advanced Purchase : 1,000Yen (Tax Included) Onsite ticket : 3,000Yen (Tax Included) * Students : Free admission

## Exhibition status

### [JIMTOF 2018 Number of Exhibitors]

Type of Exhibitor	Domestic	Overseas	Subtotal
Exhibitors	697	135	832
Co-exhibitors	58	103	161
Represented Companies	10	82	92
<b>Total</b>	<b>765</b>	<b>320</b>	<b>1,085</b>

Association	Number of Companies	Number of Booths
Japan Machine Tool Builders' Association	89	2,552
Japan Machine Tool Importers' Association	42	474
Japan Forming Machinery Association	18	85
Japan Precision Machine Association	29	199
Japan Cutting & Wear-resistant Tool Association	69	445
Japan Machine Accessory Association	53	412
Japan Precision Measuring Instruments Manufacturers Association	27	169
Japan Grinding Wheel Association	13	63
Industrial Diamond Association of Japan	10	46
Japan Optical Measuring Instruments Manufacturers' Association	17	61
Japan Fluid Power Association	17	53
Japan Testing Machinery Association	4	11
Japan Gear Manufacturers Association	5	20
<b>Organizers-Cooperating Organizations Subtotal...①</b>	<b>393</b>	<b>4,590</b>
Domestic General	310	546
<b>Domestic General Subtotal...②</b>	<b>310</b>	<b>546</b>
Overseas General	62	107
Overseas Associations Member	73	281
<b>Overseas Subtotal...③</b>	<b>135</b>	<b>388</b>
<b>Total (①+②+③)</b>	<b>838</b>	<b>5,524</b>

Total Number of Exhibitors (without double counting)...④	832	—
Co-exhibitors...⑤	161	—
Represented Companies...⑥	92	—
<b>Total... (④+⑤+⑥)</b>	<b>1,085</b>	<b>5,524</b>

### [JIMTOF 2018 Exhibitor's Classification]

Classification	Number of Booths	%
Metal cutting machine tools	3,264	59.1
Machine tool accessories	662	12.0
<b>Tools</b>	<b>753</b>	<b>13.6</b>
Measuring instruments	320	5.8
Related software (CAD/CAM etc.)	99	1.8
Metal forming machine tools	103	1.9
Oil, hydraulic, Pneumatic Machinery	81	1.5
Gears and gear devices	30	0.5
Publications / Information	11	0.2
Other related machinery	201	3.6
<b>Total</b>	<b>5,524</b>	<b>100.0</b>



### Co-exhibitor & Represented Company

When exhibiting products and services in exhibits other than their own company's, classification is made as a co-exhibitor in the case that an expert explainer is present at all times, and as a represented company in the case that an expert explainer is not present at all times.

# Number of Visitors

## Number of Registered Visitors

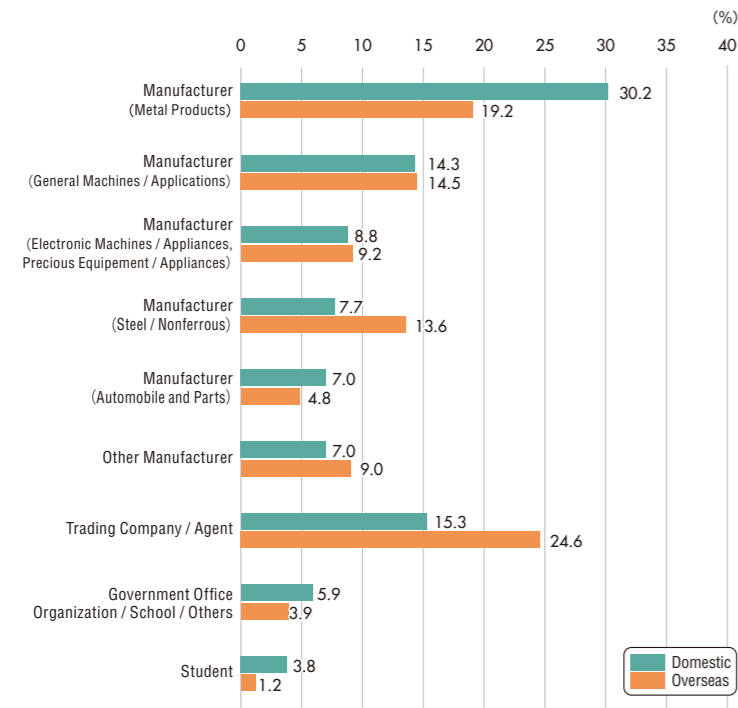
	Weather	Number of Visitors*1 (without double counting)			Number of Visitors*2		
		Domestic	Overseas	Total Number of Visitors	Domestic	Overseas	Total Number of Visitors
Nov.1 (Thu.)	Clear	21,841	4,787	26,628	21,841	4,787	26,628
Nov.2 (Fri.)	Clear	36,020	3,289	39,309	41,166	5,948	47,114
Nov.3 (Sat.)	Clear	35,824	2,028	37,852	42,964	4,794	47,758
Nov.4 (Sun.)	Cloudy / Rainy	13,405	1,185	14,590	18,590	2,744	21,334
Nov.5 (Mon.)	Cloudy	18,719	1,129	19,848	23,703	2,267	25,970
Nov.6 (Tue.)	Rainy	14,360	516	14,876	18,845	1,306	20,151
<b>Total</b>		<b>140,169</b>	<b>12,934</b>	<b>153,103</b>	<b>167,109</b>	<b>21,846</b>	<b>188,955</b>

\*1 Multi-entries counted as one

★All JIMTOF visitors conduct visitor registration

\*2 Multi-entries on the same day counted as one

## Category by Industry



Category	Number of Visitors	
	Domestic	Overseas
Manufacturer (Metal Products)	42,361	2,475
Manufacturer (General Machines / Applications)	20,066	1,879
Manufacturer (Electronic Machines / Appliances, Precious Equipment / Appliances)	12,309	1,185
Manufacturer (Steel / Nonferrous)	10,755	1,764
Manufacturer (Automobile and Parts)	9,797	620
Other Manufacturer	9,742	1,168
Trading Company / Agent	21,449	3,185
Government Office Organization / School / Others	8,324	506
Student	5,366	152
<b>Total</b>	<b>140,169</b>	<b>12,934</b>

## Breakdown of Overseas Visitors

Europe	Total
Germany	370
Italy	162
Russia	100
Spain	81
U.K.	70
Switzerland	67
France	64
Sweden	49
Poland	40
Denmark	33
Finland	30
Netherlands	24
Austria	23
Hungary	21
Czech Republic	16
Portugal	11
Romania	11
Belgium	10
Norway	10
Bulgaria	6
Estonia	4
Ireland	4
Slovakia	3
Slovenia	3
Belarus	2
Lithuania	2
Luxembourg	2
Greece	1
Kazakhstan	1
Latvia	1



Africa	Total
South Africa	8
Ghana	1

Middle East	Total
Turkey	42
Israel	24
Saudi Arabia	3
U.A.E.	1

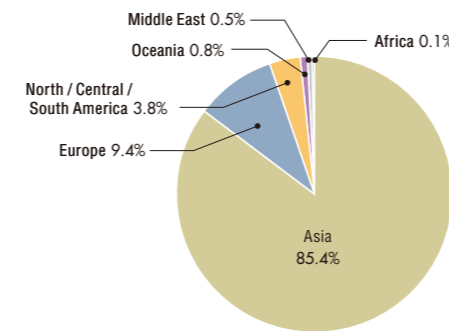
Oceania	Total
Australia	91
New Zealand	16

Asia	Total
China	3,200
Taiwan	3,058
Korea	2,488
Thailand	538
India	403
Malaysia	277
Indonesia	276
Viet Nam	271
Singapore	248
Hong Kong	169
Philippines	88
Myanmar	7
Pakistan	5
Bangladesh	3
Mongolia	3
Nepal	2
Sri Lanka	2
Laos	1

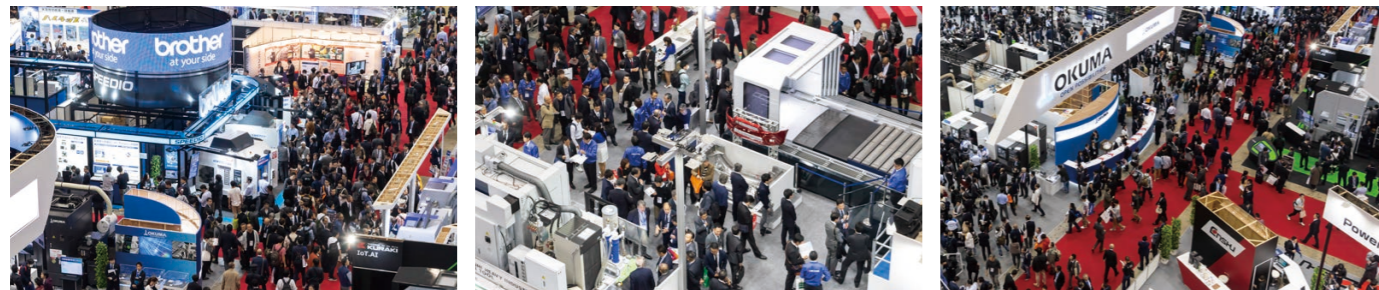
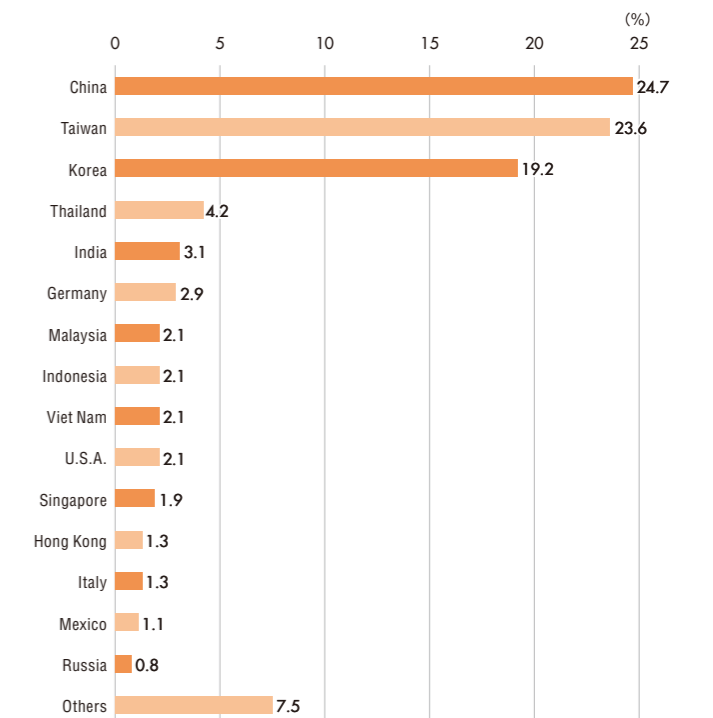
North / Central / South America	Total
U.S.A.	266
Mexico	138
Brazil	45
Canada	24
Argentina	6
Colombia	5
Chile	4

63 Countries and Regions **Total 12,934**

## Visitors by Regions

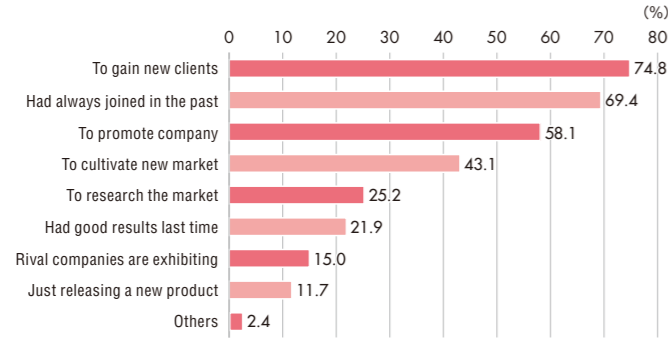


## Visitors by Countries / Regions

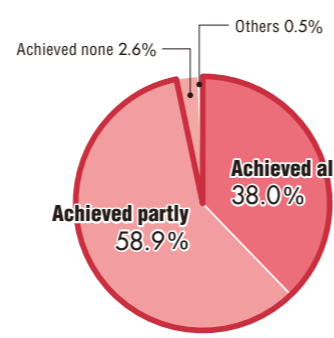


**Results of Exhibitor Questionnaire**

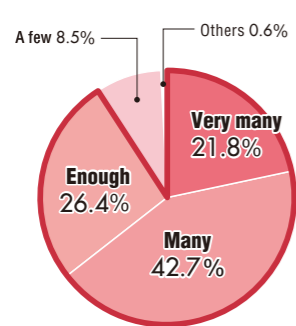
**Q1 Why did you choose to exhibit at JIMTOF ? (MA)**



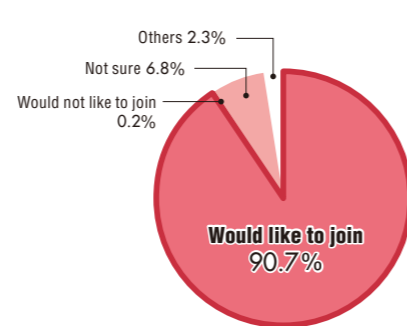
**Q2 How many of your goals did you achieve ? (SA)**



**Q3 How many visitors did you have ? (SA)**

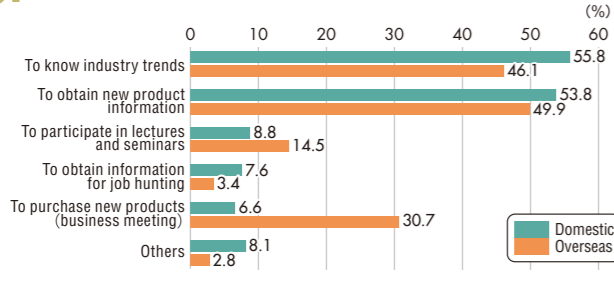


**Q4 Would you like to join the next JIMTOF 2020 ? (SA)**

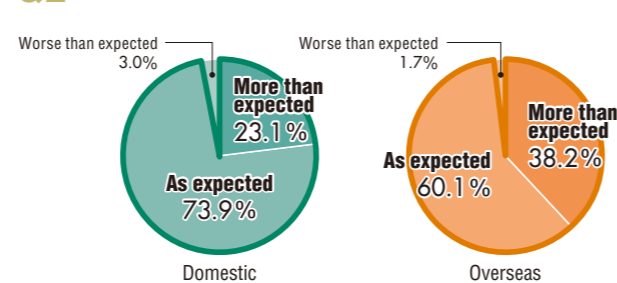


**Results of Visitor Questionnaire**

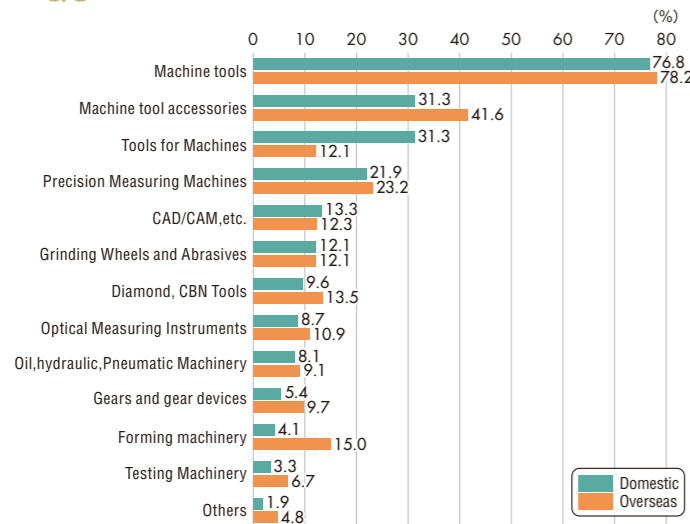
**Q1 The purpose of visiting JIMTOF (MA)**



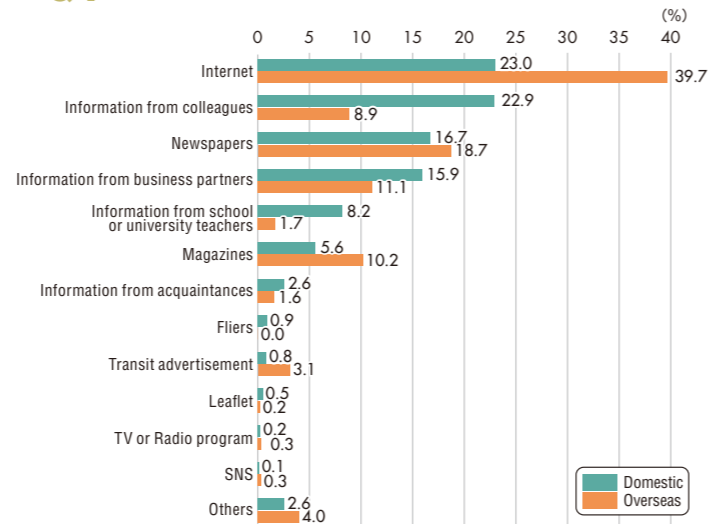
**Q2 Level of Satisfaction (SA)**



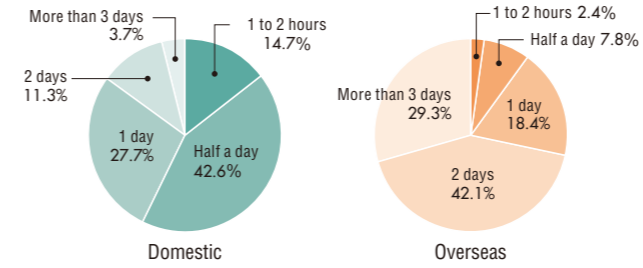
**Q3 Exhibits of specific interest (MA)**



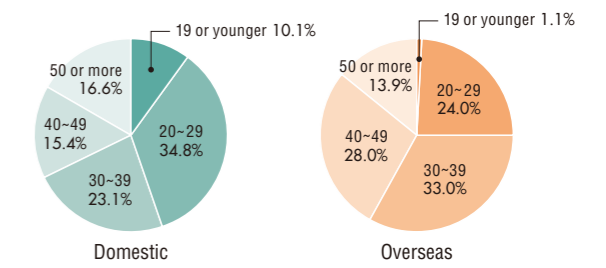
**Q4 Information source about JIMTOF (MA)**



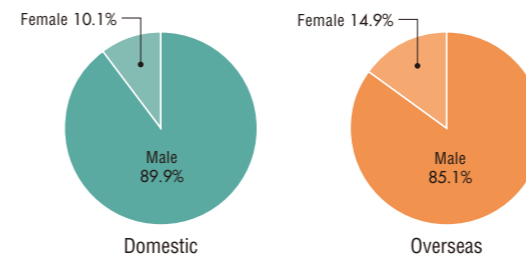
**Q5 The Length of time spent at JIMTOF (SA)**



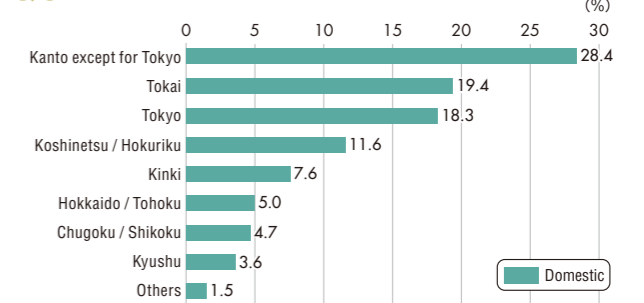
**Q6 Age (SA)**



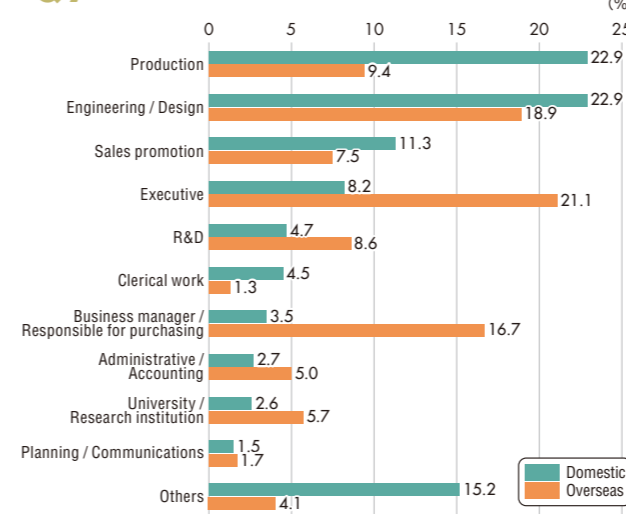
**Q7 Sex (SA)**



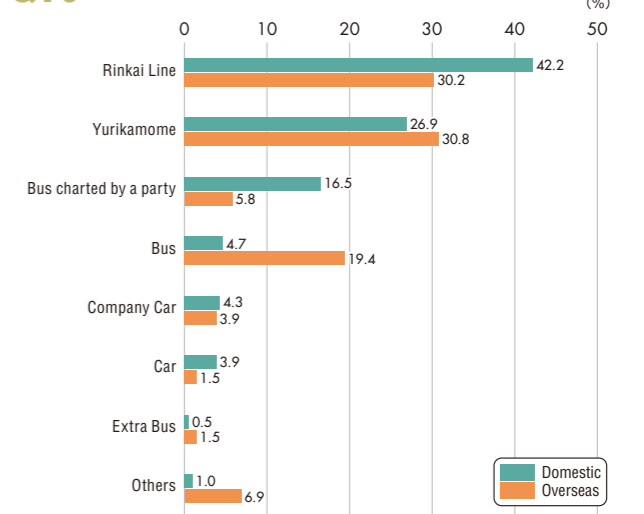
**Q8 Visitors by Regions (SA)**



**Q9 Type of Occupation (SA)**



**Q10 Use means of transportation (MA)**



**Q11 Feedbacks (Excerpt)**

- I managed to obtain information on machines that I didn't know about. (Japanese / Male / Production and manufacturing)
- The event bustled with more visitors than before. (Japanese / Female / Executive)
- I got information on new products and what the various companies are concentrating their efforts on. There were many presentations, which were easy to understand. (Japanese / Female / Administration and accounting)
- I was able to see the latest trends among machine tool manufacturers and other associated manufacturers. (Japanese / Male / Technology and designing)
- I was amazed at the developments in cutting-edge technologies. (Japanese / Male / Universities and research institutes)
- Until now, I didn't have many opportunities to see machine tools, so I was surprised by the size of the event. (Japanese / Male / Other)
- The exhibits were interesting in terms of gathering information, because they accurately reflected current trends. (Japanese / Male / R&D)
- Japan's biggest machine tool fair was bigger and better than any other exhibition I have ever seen. (Japanese / Male / R&D)
- Many companies are digitalizing information, and it was obvious that they are investing effort into the IoT. (Japanese / Male / Other types of sales and marketing)
- It was interesting to see the advances in laser processing, pressure welding, etc. (Japanese, Male, Executive)
- I managed to obtain all kinds of information, and it was well worth the time. (Japanese, Male, Production and manufacturing)
- It was good to be able to see so many companies at once, and obtain the latest information. (Japanese / Female / Other)
- Companies had improvised in their methods of cutting and finishing, and they were all different companies, but you could tell that they were interconnected within the industry. (Japanese / Male / Other)
- I became interested at work, and was glad to be able to supplement the information I had searched for and gained in private, through an explanation. (Japanese / Female / General office work)
- I learned about cutting-edge technologies in ways that I never learned at school or through textbooks. (Japanese / Male / Other)
- It was very interesting. There were many machines I was interested in, and they were awesome. (Japanese / Male / Other)
- I was able to see all kinds of processing and measuring technologies. It was good to be able to see the technologies of major corporations down to small-to-medium-sized companies. (Japanese / Male / Other)
- This is my first time to see that, I'm so very glad. Because I see any type of machine. (Overseas/Female/Production)
- Very high standard of technology products. (Overseas/Male/Executive)

\* Results of visitor questionnaire by a sampling research during the exhibition

# Site map

## 1 Special Exhibits

**Connected Industries SHOWCASE @JIMTOF 2018**  
**-A New Era of Manufacturing IoT + Manufacturing = Challenge for 'Connect'!-**



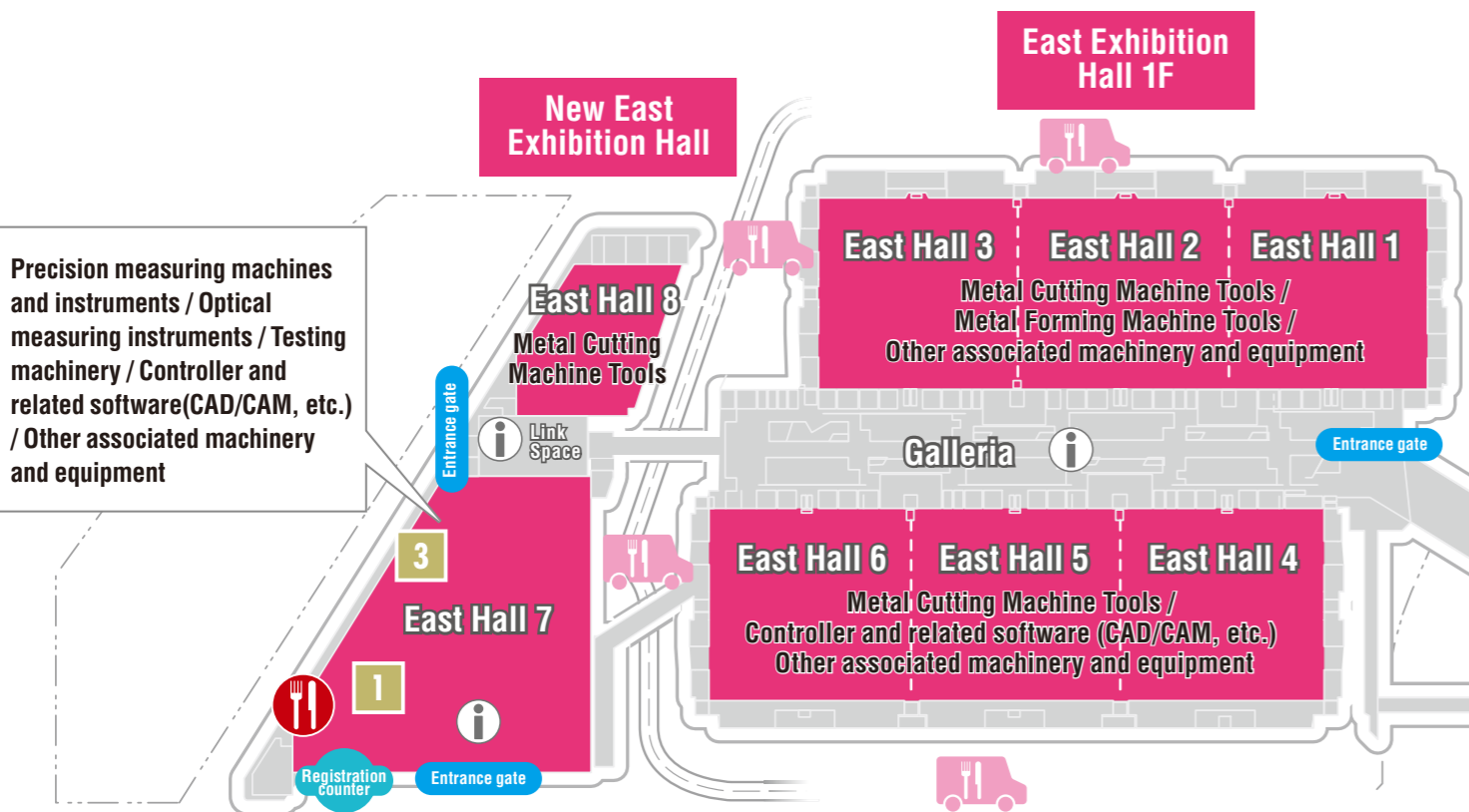
An IoT platform was used to connect 292 machines of 72 companies and the exhibition booths to display their operational status, and other information, live on a large monitor, turning the venue into one huge simulated "Connected Industries Factory."  
 The same image was also displayed on desktop PCs, allowing images of the machines and their operational status to be displayed by clicking on the displayed machines using a mouse.  
 There were also programs for allowing visitors to experience certain aspects of IoT, such as through drama-style presentations and corners introducing example uses of IoT, contributing greatly to encouraging interest in IoT.  
 <Cooperation by Japan Machine Tool Builders' Association member companies>

## 2 Special Display

**Fighting for the Win -innovation and evolution in motor sports manufacturing-**

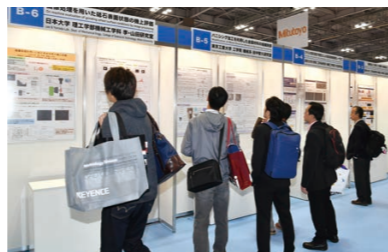


Vehicles made by Honda taking part in SUPER GT (for four-wheeled vehicles) and Moto GP (for two-wheeled vehicles), and achieving results in the world of motor sports by making use of the advanced technology, were placed on display.  
 Moreover, actual engines from the past to the latest models were exhibited alongside panels explaining the characteristic technologies they featured, "connecting" the past to the present through the transition and evolution of technology.  
 <Cooperation by Honda Motor, Co., Ltd. >



## 3 IMEC 2018 (The 18th International Machine Tool Engineers' Conference) Poster Session

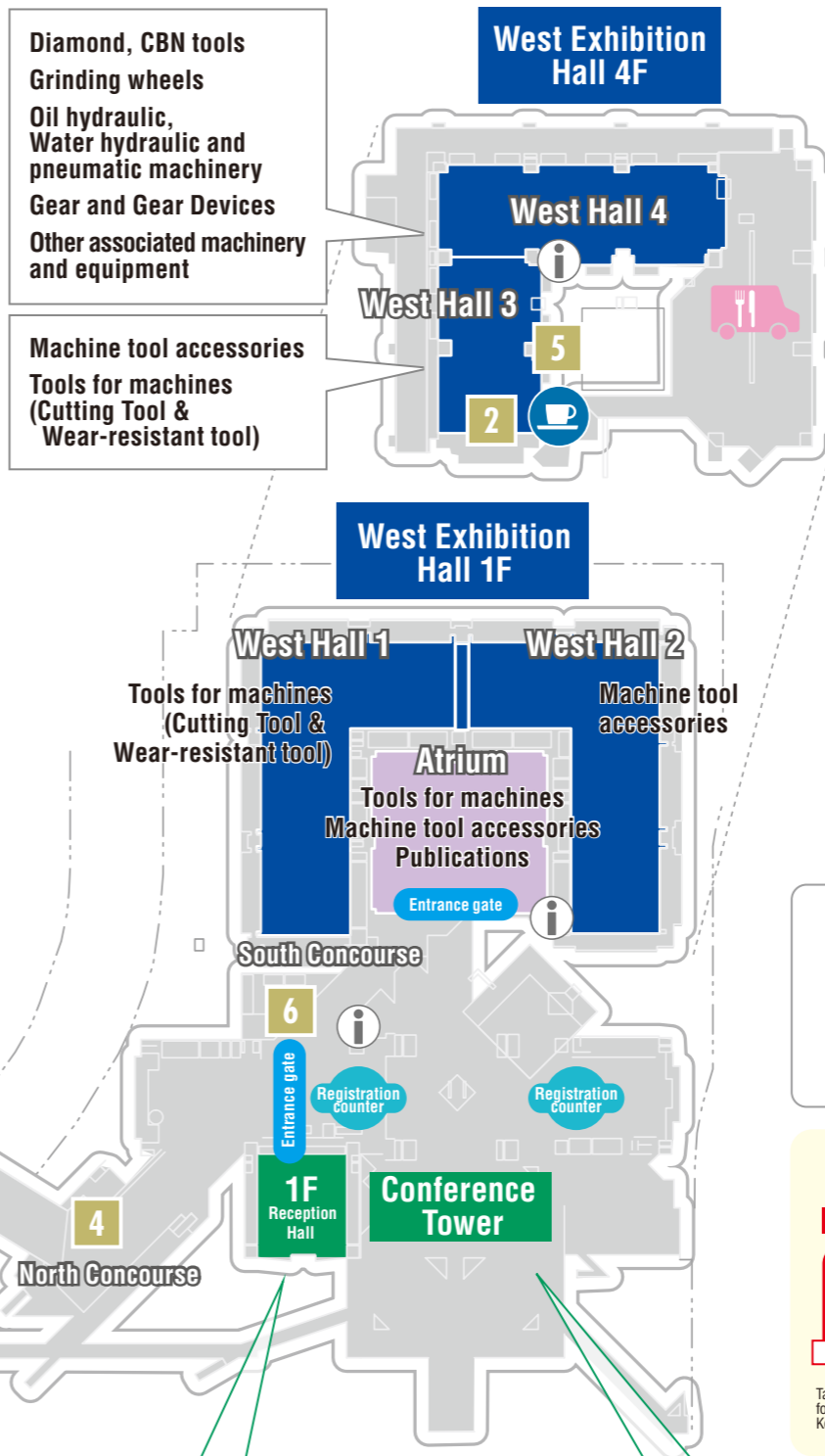
Ibaraki University, Osaka Institute of Technology, Okayama University, Kanagawa University, Kanazawa Institute of Technology, Kanazawa University, Kyoto University, Keio University, Kogakuin University, Kobe University, Saitama Institute of Technology, Saitama University, Sasebo National College of Technology, Sophia University, Setsunan University, Chiba University, Chubu University, Teikyo University, The University of Electro-Communications, Tokai University, Tokyo Institute of Technology, Tokyo University, Tokyo Denki University, Tokyo University of Agriculture and Technology, Tokyo University of Science, Tohoku University, Tokushima University, Nagaoka University of Technology, Nagasaki University, Nagoya University, Nippon Institute of Technology, Nihon University, The Graduate School for the Creation of New Photonics Industries, Hiroshima University, Meiji University, Yokohama National University, Ritsumeikan University, Ryukoku University



## 4 International Information Center (in random order)

European Association of the Machine Tool Industries  
 Association of Metaltechnology Industries  
 The Manufacturing Technologies Association  
 Association of Engineering Technology  
 SWISSMEM  
 Italian Machine Tools, Robots &  
 Automation Manufacturers' Association  
 German Machine Tool Builders' Association

STANKOINSTRUMENT  
 The Association for Manufacturing Technology  
 Australian Manufacturing Technology Institute Limited  
 China Machine Tool & Tool Builders' Association  
 Association of Engineering Technology  
 Indian Machine Tool Manufacturers' Association  
 Korea Machine Tool Manufacturers Association  
 Taiwan Association of Machinery Industry  
 Taiwan Machine Tool & Accessory Builders' Association



## 5 Support Corner to Develop Overseas Markets

A corner has been set up to provide support to the development of overseas markets by small-to-medium-sized companies hoping to expand overseas.  
 <Cooperation by Tokyo Metropolitan Small and Medium Enterprise Support Center / Japan External Trade Organization (JETRO) >



## 6 Catalogue Exhibition Corner



**Information**

- JIMTOF FOOD FESTIVAL**
- JIMTOF Kitchen**
- JIMTOF Cafe**

**Free Shuttle Bus**

**Route 1:** Kokusai-Tenjiijo Sta. -> West Hall -> New East Hall

**Route 2:** Kokusai-Tenjiijo Sta. -> Conference Tower Central Terminal

**Free Jumbo Taxi (East ↔ West)**

East Hall 1 ↔ West Hall 4F

Take advantage of the free shuttle bus that will be running in the following routes, connecting between TWR Rinkai Line's Kokusai-Tenjiijo Station and major stops around the venue.

Circulates between East Hall 1 and Rooftop Exhibition Area (West Hall 4F)

**1F Reception Hall**

- IMEC Oral Session
- Special Lecture

**1F Conference room 102**

- Machine Tool Related Software Workshop

**6F Conference Rooms 605-608**

- Exhibitor Workshops
- Seminars for students

**7F International Conference Room**

- Keynote Speech
- Special Lecture
- Seminars for students

# Programs

## Keynote Speech · Special Lecture

### Keynote Speech

#### Technological innovation needed for EV performance improvement

Mr. Hideyuki Sakamoto  
Director, Executive Vice President,  
Nissan Motor Co., Ltd.  
November 1 (Thu.) 13:30-14:30  
International Conference Room, Conference Tower 7F



### Special Lecture②

#### Building Adequate Relationship between Humans and Machines -Current state of AI applications and the possibility in future-

Mr. Seiji Yamada  
Professor, National Institute of Informatics Professor,  
Sokendai Visiting Professor,  
Tokyo Institute of Technology,  
Ex-president, advisor, JSAI  
November 5 (Mon.) 13:00-14:00  
Reception Hall B, Conference Tower 1F



### Special Lecture①

#### Monodukuri Revolution with AI and IoT

Mr. Chiaki Ito  
Former Vice Chairman  
Fujitsu Ltd.  
November 2 (Fri.) 13:30-14:30  
International Conference Room, Conference Tower 7F



### Special Lecture③

#### The daughter of the small local factory -taking over her family business-

Ms. Takiko Suwa  
President & CEO  
Daiya Seiki Co., LTD.  
November 6 (Tue.) 11:00-12:00  
Reception Hall A, Conference Tower 1F



## Seminars for students

### Top Seminar by Machine Tool Manufacturers

#### -Welcome to the Promising Field of Machine Tools-

#### Lecture 1: To the next generation of engineers

Mr. Shinichi Inoue  
President of Makino Milling Machine Co., Ltd.

#### Lecture 2: The attraction and rewarding of manufacturing industry

Mr. Yu IMADA  
President of Sanei Precision. Co., Ltd / President Dipl.-Ing of Metal Coating Laboratory.Mfg.Co., Ltd

#### Lecture 3: Progress of Aero Engine parts production and Interest of working in this area

Mr. Masanobu Natsuake  
General Manager of Purchasing Department Aero-Engine,  
Space & Defense Business Area, IHI Corporation.

#### Round-table talk: Now and the future as a Machine tools engineer

Mr. Shinji Shimizu  
MAMTEC representative / Professor emeritus at Sophia University.

November 3 (Sat.) 13:00-16:45  
International Conference Room, Conference Tower 7F



### Introductory Seminar “for Students”

#### on the Manufacturing Industry

#### Opening program: Machine tools / industry / monozukuri general overview

Mr. Takashi Matsumura, Dr.eng.  
Professor and head of department of mechanical engineering, Tokyo Denki University

#### Lecture 1: Introduction and appeal of the machine tools industry

Ms. Yumi Tanoi  
President, Tanoi MFG.co., Ltd

#### Lecture 2: Fluid power industry: An introduction and the latest technology

Mr. Akihiro Ito  
R&D, and Engineering Administration Department Components Business Division, CKD Corporation

#### Lecture 3: Optical-measuring machine industry: An introduction and the latest technology

Mr. Tadashi Nakayama  
Corporate Vice President Deputy General Manager of Industrial Metrology Business Unit, NIKON CORPORATION

November 4 (Sun.) 10:00-12:20  
Conference Rooms 607 and 608, Conference Tower 6F



## Exhibitor Workshops

Conference Room 605-606-607-608, Conference Tower 6F

■ **November 1(Thu.)** YONEZAWA KOKI CO.,LTD. · SKF Japan Ltd. · Makino Milling Machine Co.,Ltd. · Euro Techno Inc. · KURAKI CO., LTD · Computer Engineering & Consulting, Ltd.

■ **November 2(Fri.)** Blum-Novotest K.K · OSG Corporation · THK CO.,LTD. · ITOCHU Techno-Solutions Corporation · JBM Corporation · MITSUBISHI MATERIALS CORPORATION CITIZEN MACHINERY CO.,LTD. · UNION TOOL CO. · Oerlikon Nihon Balzers Coating Co., Ltd. · HMS Industrial Networks K.K. · NACHI-FUJIKOSHI CORP. Beckhoff Automation K.K.

■ **November 3(Sat.)** Roku-Roku Sangyo, Ltd · NIKKEN KOSAKUSHO WORKS,LTD. · IWATA TOOL Co.,Ltd · C&G SYSTEMS INC. · DMG MORI CO., LTD. · DIJET INDUSTRIAL CO.,LTD. AMADA HOLDINGS CO., LTD. · GF Machining Solutions Ltd. · TOKYO SEIMITSU CO., LTD. · NS TOOL CO.,LTD. · SANDVIK K.K. · Ayabo Corporation

■ **November 4(Sun.)** Mitsubishi Hitachi Tool Engineering, Ltd. · FUJISEIKO LIMITED · SANDVIK K.K.

■ **November 5(Mon.)** Captain Industries, Inc. · HARTING K.K. · IHI Corporation · KOBE STEEL, LTD.

■ **November 6(Tue.)** ifm efector co.ltd. · Schmersal Japan K.K.

## IMEC 2018 (The 18th International Machine Tool Engineers' Conference) Oral Session

Future Monozukuri Now into View November 4 (Sun.) 9:10-17:10 November 5 (Mon.) 9:00-17:35 Reception Hall A, Conference Tower 1F

### November 4(Sun.)

#### AM : Keynote Session “Machine Tools Responding to the Changing Production Environment”

##### Keynote Speech > Forming different machine tool companies to a united group by common strategies

Mr. Erich Schmid, Director of Strategic Projects, United Grinding Group AG (Switzerland)

##### Keynote Speech > Large-scale rocket engine manufacturing with hybrid-additive / subtractive machine tool

Mr. Kevin Zagorski, Senior Propulsion Advanced Manufacturing & Integration Engineer, Virgin Orbit (U.S.A.)

##### Keynote Speech > Research on Machine Tools in Germany – related infrastructure, public support, selected projects

Prof. Dr.-Ing. Michael F. Zaeh, Department of Mechanical Engineering, TUM, Technical University of Munich (Germany)

#### PM : Technical Session 1 “Smart Factories Utilizing IoT and AI”

##### Technical Speech > Production system for Mass customization

Mr. Yuichiro Tsuchiya, Executive Officer S.I.T. Division, MAKINO Milling Machine Co., LTD. (Japan)

##### Technical Speech > Smart factory realized by the integration Smart Manufacturing and Smart Machine

Mr. Katsunori Kunimitsu, General Manager, FA R&D Department, Okuma Corporation (Japan)

##### Technical Speech > Realities and challenges at manufacturing premises for constructing smart factories – FIELD system and FANUC AI –

Mr. Takayuki Tamai, Assistant General Manager-R&D Administration Division, Vice General Manager -FIELD Promotion Division, Manager-AI Research Department, Basic Research Laboratory, FANUC Corporation (Japan)

##### Technical Speech > “Smart Factory where humans have the lead role” that JTEKT is working on

Mr. Toshio Aono, Executive Technical Advisor, IoE Promotion Office, JTEKT Corporation (Japan)



### November 5(Mon.)

#### AM : Technical Session 2 “The Current and Future of Metal Additive Manufacturing”

##### Keynote Speech > Large-Part Metal Additive Manufacturing: Industrial Adoption Trends and a Technical Overview

Mr. John O'Hara, Global Sales Manager, Sciaky, Inc. (U.S.A)

##### Keynote Speech > Latest AM technology and expansion of real applications

Dr. Takashi Ishide, Fellow, MITSUBISHI HEAVY INDUSTRIES, LTD. (Japan)

##### Technical Speech > Advantage and Challenge of Hybrid Metal 3D Printer.

Mr. Tetsushi Midorikawa, Senior Manager, Additive manufacturing Technology, Engineering Division, Matsuura Machinery Corporation (Japan)

##### Technical Speech > Next generation process innovation with the HYBRID multi-tasking machines

Mr. Kazuya Horibe, Division Manager, Solution ENG Division, YAMAZAKI MAZAK Corporation (Japan)

#### PM : Technical Session 3 “Machine Tools with New Functions and Structures”

##### Keynote Speech > Mineral casting for Mechanical Engineering

Mr. Fabian Werner, CEO, RAMPF (Taicang) Co.,Ltd (Germany)

##### Technical Speech > The Newest Machine Tool Structural Design and Processing Technology Accomplishing Super Precision Processing

Mr. Ryota Shindo, Director/General Manager, Engineering Dept., Nagase Integrex Corp. (Japan)

##### Technical Speech > Introduction of latest gear cutting technology, the Super Skiving System

Mr. Yukihisa Nishimura, Director, Engineering Headquarters, Mitsubishi Heavy Industries Machine Tool Co., Ltd. (Japan)

##### Technical Speech > ULTRASONIC machining: advanced technology for challenging materials

Dr. Jens Ketelaer, Technical Site Director ULTRASONIC, SAUER GmbH (Germany)



## Industry Expert Session

### Machine Tool Related Software Workshop Organizer : Japan Machine Tool Builders' Association

November 2 (Fri.) 10:30-17:00 Conference room102, Conference Tower 1F

#### Special Lecture

#### “IoT CPS / AI and Deep Learning / Safety and Control Security Measures: What Needs to Be Done Now” – The Latest Trends in the Demand for Control Security Measures by Machine Tool Users in Different International Industries, and the Role of Machine Tool Vendors –

Mr. Masashi Murakami, President and Representative Director, ICS Laboratory



## PR Activities For Visitors

### Domestic / Overseas Exhibitions

#### 2017

Jan.26-Feb.1	IMTEX2017(India, Bangalore)
Mar.7-12	TIMTOS2017(Taiwan, Taipei)
Apr.17-22	CIMT2017(China, Beijing)
May.15-19	METALLOBRABOTKA 2017(Russia, Moscow)
Jul.10-13	INNOPROM2017(Russia, Yekaterinburg)
Sep.18-23	EMO Hannover 2017(Germany, Hannover)
Nov.22-25	METALEX2017(Thailand, Bangkok)

#### 2018

Jan.25-30	IMTEX 2018(India, Bangalore)
Apr.3-7	SIMTOS2018(Korea, Seoul)
Apr.9-13	CCMT2018(China, Shanghai)
May.14-18	METALLOBRABOTKA 2017(Russia, Moscow)
May.17-19	MEX KANAZAWA 2018(Japan, Ishikawa)
Jun.20-23	InterMold Thailand 2018(Thailand, Bangkok)
Sep.10-15	IMTS2018(U.S.A., Chicago)

### Press Conference / Presentation

<b>Domestic</b>	Jul.27,2017	1st Press Conference in Tokyo
	Oct.3,2018	2nd Press Conference in Tokyo
<b>Overseas</b>	Mar.8,2017	TIMTOS2017(Taiwan, Taipei)
	Apr.18,2017	CIMT2017(China, Beijing)
	Sep.20,2017	EMO Hannover 2017(Germany, Hanover)
	Apr.4,2018	SIMTOS2018(Korea, Seoul)
	Apr.10,2018	CCMT2018(China, Shanghai)
	Sep.12,2018	IMTS2018(U.S.A., Chicago)

### Direct mail and e-mail newsletters

<b>Domestic/Overseas</b>	E-mail news letters were issued to JIMTOF 2016 and 2018 registered visitors.
<b>Overseas</b>	Leaflets were distributed to exhibitors and visitors at overseas exhibitions.

## Media Partners

Media involved in reporting on manufacturing were recruited as Media Partners, and were asked to give advance notice of the holding of JIMTOF 2018, and report on the event.

### Participating media (18 media)

aperza, Automation News, Die & Mold industry information, DIGITAL X, Fuji Sankei Business i., THE KANAGATA SHIMBUN, THE KIKAI SHIMBUN, Machine and Tool, Monodukuri Review, MONOist, Mynavi News, NC Network, THE NIHON BUTSURYU SHINBUN, THE NIHON SANKI SHIMBUN, NIKKAN KOGYO SHIMBUN, ProductNavi, SEISANZAI MARKETING Magazine, seizougenba.com

## Advertising for Visitors

### Newspapers / Magazines

#### General Newspapers

Sep.3	Tokyo Shimbun
Sep.3	Chunichi Shimbun
Sep.3	Nihon Keizai Shimbun
Sep.18	Nihon Keizai Shimbun
Oct.10	Nihon Keizai Shimbun
Oct.22	Nihon Keizai Shimbun
Oct.31	Nihon Keizai Shimbun

#### Industrial / Economic Newspapers

Sep.3	Nikkei Sangyo Shimbun
Sep.3	Nikkan Kogyo Shimbun
Sep.18	Nikkan Kogyo Shimbun
Oct.10	Nikkei Sangyo Shimbun
Oct.10	Nikkan Kogyo Shimbun
Oct.22	Nikkan Kogyo Shimbun
Nov.1	Nikkei Sangyo Shimbun

#### Domestic Specialized Newspapers

Aug.1	Kaigisho news
Sep.10	THE NIHON BUTSURYU SHINBUN
Oct.10	THE KANAGATA SHIMBUN
Oct.11	THE KIKAI SHIMBUN
Oct.	SEISANZAI MARKETING Magazine
Nov.	Mechanical Engineering

#### Economic Magazines

Aug.31	Nikkei Business
Sep.14	Nikkei Business

#### Domestic Specialized Magazines

Aug.30	Nikkei Monozukuri
Sep.27	Nikkei Monozukuri

## Cooperation by Local Authorities

Local Authorities and associations cooperated to promote JIMTOF 2018.

### Destination

#### Prefectures 27

Iwate, Miyagi, Fukushima, Ibaraki, Tochigi, Gunma, Saitama, Chiba, Tokyo, Kanagawa, Niigata, Toyama, Ishikawa, Yamanashi, Nagano, Shizuoka, Aichi, Gifu, Kyoto, Osaka, Hyogo, Wakayama, Okayama, Hiroshima, Yamaguchi, Fukuoka, Saga

#### Companies/Organizations 196

## Invitation of Overseas Journalists

We invited journalists from prominent foreign machine tool media to JIMTOF 2018, and requested that articles be published in advance of the event and that these journalists conduct interviews at the JIMTOF 2018 venue and attend press conferences.

### JIMTOF 2018 Exclusive Press Conference for Overseas Media

Nov.3(Sat.) 14:30-15:30 Conference Room 609 Conference Tower 6F

### 14 Participants of Media

Manufacturing Technology & Machine Tools(China)  
 MW Metal Cutting Magazine(China)  
 International Metalworking News (China)  
 Modern Manufacturing India(India)  
 MAV(Germany)  
 Technicky Tydenik(Czech Republic)  
 MA Magazine(Taiwan)  
 MECHANIK(Poland)  
 Modern Machine Shop(U.S.A.)  
 Taiwan Machinery Monthly(Taiwan)  
 Metalworking News(South Africa)  
 Technologie Meccaniche(Italy)  
 Asia pacific Metalworking(Thailand)  
 Manufacturing(Korea)



## Publicity Media

### Newspapers / Magazines / TV

#### Domestic

Nihon Keizai Shimbun, Nikkan Kogyo Shimbun, Fuji Sankei Business i., Chunichi Shimbun, Hokkoku Shimbun, Toyama Shimbun, TOYO Keizai online, Nikkei Technology online, Sankei Biz, Nikkei XTECH, mynavi news YAHOO! News, Others

#### Overseas

TAIWAN TRADE (Taiwan), machining news (Hungary), MODERN MANUFACTURING INDIA (India), MFG (Korea), Metalworking News (South Africa), MM INTERNATIONAL (Germany), baidu wenku (China), Taiwan Smart Machinery (Taiwan), 4-traders (United States), Others

## Number of Press Visitors

Period	Number of Press Visitors
Nov.1(Thu.)	280
Nov.2(Fri.)	131
Nov.3(Sat.)	50
Nov.4(Sun.)	12
Nov.5(Mon.)	51
Nov.6(Tue.)	43
Total	567

\* Including Overseas 61

## Application

### Number of users according to the device

Oct.19(Fri.)-Nov.6(Tue.)

<b>Download</b>	<b>10,970</b>
Device: iOS	7,284
Android	3,686
<b>Number of Access</b>	<b>942,303</b>
Device: iOS	587,838
Android	354,465



## Transport Advertising

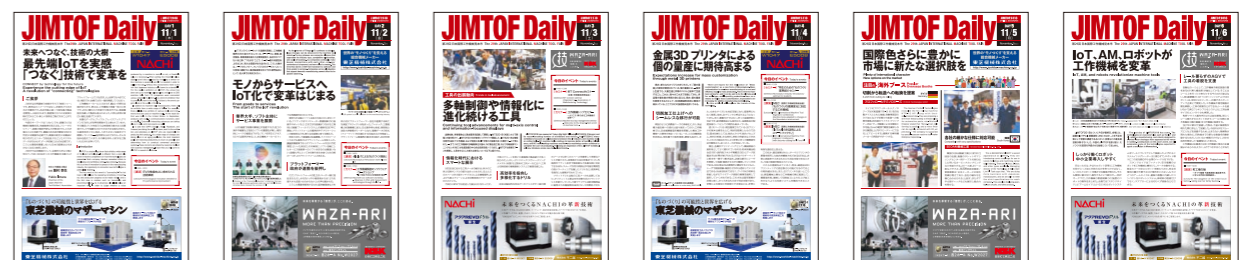
### AD Vision

Oct.29(Mon.)-Nov.4(Sun.)

Shinjuku Station / Tokyo Station / Shinagawa Station



## JIMTOF Daily Distributed at venue every day during JIMTOF 2018



## Major Media Visits Media Visits 251 (Domestic: 210, Overseas: 41companies)

### Domestic

Asahi Shimbun, Mainichi Shimbun, Yomiuri Shimbun, Nihon Keizai Shimbun, Sankei Shimbun, Nikkan Kogyo Shimbun, Nikkei Business, Nikkei XTECH, CNET JAPAN, Nikkei X Trend, MONOist, mynavi news, OPTRONICS, SEISANZAI MARKETING Magazine, THE NIHON BUTSURYU SHIMBUN, Machine and Tool, NHK, TV ASAHI, BS TBS, Others

### Overseas

TAIPEI TIMES (Taiwan), Economic Daily (Taiwan), The Central News Agency (Taiwan), International Metalworking News (China), Castings SA Metalworking News (South Africa), MFG (Korea), DBInformation (Italy), GARDNER (U.S.A.), Others

## Official Web Site

### Number of Visitors

www.jimtof.org

	Number of Visits	Number of Page View
July	48,184	126,235
August	118,012	316,326
September	151,177	449,112
October	359,321	1,217,878
Nov.1-6	181,980	622,566
Total	858,674	2,732,117

\* Number of Visits...Number of user's visits to the site

\* Number of Page View...Number of page requests of the site

### Number of Countries and Regions

(Represent TOP 10, Jul.1-Nov.6)

	Countries and Regions	Number of Visits
1	Japan	672,232
2	Taiwan	44,132
3	Thailand	25,139
4	India	21,549
5	Korea	20,672
6	China	18,422
7	U.S.A.	17,765
8	Germany	6,686
9	Hong Kong	2,258
10	England	2,085

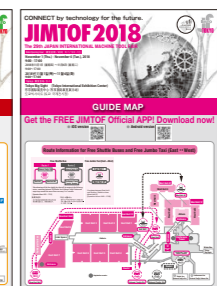
## Official Printed Media



Official Guidebook



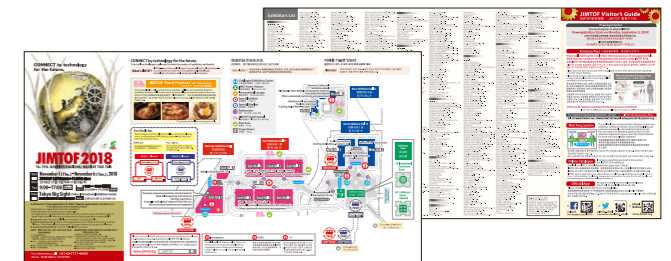
Guide Map



Invitation ticket and Leaflet



GUIDE BOOK (for students)



# Exhibitors List

alphabetical order

☆ --- Co-Exhibitor  
☆☆ --- Represented Company

### < Domestics >

#### A

A.L.M.T.Corp.  
 ABICO R&D CO.,LTD.  
 ADACHIISOYO CO.,LTD\*  
 Adcole Far East Ltd.  
 AeroEdge Co., Ltd.  
 AFC Japan Corporation  
 Ai Solutions Co., Ltd.  
 AICHI SANGYO Co.,LTD  
 AKAMATSU ELECTRIC MFG.CO.,LTD  
 AKATSUKI MFG. CO., LTD.  
 Alfa Mirage Co.,Ltd  
 ALPHA LASER JAPAN CO.,LTD.  
 ALPS TOOL CO., LTD.  
 AMADA HOLDINGS CO., LTD.  
 AMETEK Co., Ltd  
 ANDOKIHAN CO.,LTD.  
 Any Design Co., Ltd.\*  
 APM Corp.\*\*  
 AQUA CHEMICAL CO.,LTD.  
 AREUSA Co.,Ltd  
 ASA Electronics Industry Co.,LTD  
 Asahi Diamond Industrial Co., Ltd.  
 Asanuma Giken Co., Ltd.  
 ASK CORPORATION  
 ASTEC CO.,LTD  
 ATAGO CO.,LTD.  
 Atsuchi Tekko CO.,LTD.  
 AUTHENTEC CO.,LTD  
 Autodesk Ltd. Japan  
 awa spindle co.,ltd.  
 Ayabo Corporation

#### B

B.C TECH CO.,LTD  
 B2B Support of Osaka Prefecture  
 Baluff Co., Ltd  
 Bando Chemical Industries Ltd.  
 Baykal Japan  
 Beckhoff Automation K.K.  
 Beckhoff Automation K.K.\*  
 BICTOOL Co., LTD.  
 BIG DAISHOWA SEIKI CO., LTD  
 BIG DAISHOWA SEIKI CO.,LTD.\*\*  
 Blaser Swisslube Japan Co.,Ltd.  
 BLESS INC.  
 Blum-Novotest K.K  
 BP JAPAN K.K.  
 Brains Technology, Inc.  
 Broadleaf Co., Ltd.  
 BROTHER INDUSTRIES,LTD  
 BUNRI Inc.  
 Bystronic Japan, Ltd

#### C

C&G SYSTEMS INC.  
 C.I.TAKIRON Corporation  
 CADMAC CO., LTD  
 CAMTUS, INC.  
 Captain Industries, Inc.  
 Carl Zeiss  
 CameCon K.K.  
 CENTRAL JAPAN PARTS PROCESSING ASSOCIATION  
 CERATIZIT Japan Co.,Ltd.  
 CGK CORPORATION  
 CGTech Inc.  
 CHEMIC Co.,Ltd.  
 CHIYODA TSUSHO CO.,LTD.  
 CHOUKOKU IDEA CO., LTD.  
 Chukuma Shouji Trade Corporation  
 CHUKYO CO.,LTD.  
 CHUO PRECISION INDUSTRIAL CO.,LTD.  
 CITIZEN FINEDEVICE CO., LTD\*\*  
 CITIZEN MACHINERY CO.,LTD.  
 CKB CORPORATION  
 CKD Corporation  
 CNK CO.,LTD  
 COMINIX CO.,LTD  
 Computer Engineering & Consulting, Ltd.  
 CORETECH Co.,Ltd.  
 COYO PRECISION\*\*  
 CREATE ENGINEERING CORPORATION  
 Crestech Corporation  
 C'set Co., Ltd.\*

#### D

Daido Kogyo Co., Ltd.\*  
 Daido kogyo Kaisha.LTD.  
 Daido Steel Co., Ltd.  
 DAI-ICHI SOKUHAN WORKS CO.  
 DAICHISANGYO CO.,LTD  
 DAIKIN Industries, LTD.  
 DAITOH SPINNING CO.,LTD  
 DAIWA DENGYO CO., LTD  
 Daiwa Kasei Kogyo Co., Ltd  
 DAIWA KIKO CO., LTD.  
 Data Design Co., Ltd.  
 DENSO WAVE INCORPORATED\*  
 DEUBLIN JAPAN LIMITED  
 DIATEST JAPAN LTD.  
 DIJET INDUSTRIAL CO.,LTD.

Dimach Co., Ltd.  
 DKSH Japan K.K  
 DKSH Japan K.K.\*  
 DMG MORI CO., LTD.  
 Doi Precision Lapping Co., Ltd  
 DP Technology Japan K.K.  
 HEIAN CORPORATION  
 DURIMITEC Co.,Ltd.  
 DYNAMICTOOLS  
 DYNATEC CO LTD

#### E

EASTERN TECHNICS Corp.  
 EBA KOGYO CO.,LTD.  
 Edgecross Consortium  
 EGURO.LTD  
 EIKO ELECTRIC INDUSTRIAL CO.,LTD  
 EIKOSHA CO.,LTD  
 EISEN co.,ltd  
 Eishin Techno Co.,Ltd.  
 ELENIX, Inc.  
 ELGOJAPAN Inc.\*  
 EMG Lubricants Goudou kaisha  
 EMUGE-FRANKEN KABUSHIKIKAISHA  
 ENGIS JAPAN CORPORATION  
 ENSHU INDUSTRIAL Co., Ltd.\*  
 ENSHU Limited  
 E-PLAN CO.,LTD.  
 EROWA NIPPON LTD.  
 EUCHEMER CO.,LTD.  
 Euro Techno Inc.  
 EUROTEC LTD.  
 Everloy Shoji Co., LTD.\*  
 exstream corporation

#### F

F.P.TOOLS CO.,LTD  
 FA Service\*\*  
 FACT co.,ltd.  
 FANUC CORPORATION  
 FARO Japan, Inc.  
 FAT System Co., Ltd.\*  
 FINETEC CO.,LTD.  
 FIRST GIKEN CO.,LTD.  
 FIRST MACHINING.Corp\*  
 FIRSTEC CORPORATION  
 Flow Japan Corporation  
 FNS Co.,Ltd.  
 FREEBEAR CORPORATION  
 FSX INIC.  
 FUCHS JAPAN LTD.  
 FUJI BC ENGINEERING CO.,LTD  
 FUJI CORPORATION  
 FUJI DIE CO., LTD.  
 Fuji Electronics Industry co.,Ltd.\*  
 FUJI GRINDING WHEEL MFG.CO.,LTD.  
 Fuji Honing Industrial Co., Ltd.  
 FUJI INDUSTRIES CO., LTD.  
 Fuji Manufacturing Co.,Ltd.  
 FUJI Seimitsu Co.,Ltd.  
 FUJI TOOL CO., LTD.  
 FUJIGEN KOUGYOU CO.,LTD.  
 FUJIKIKO CO.,LTD  
 Fujikura Ltd.  
 FUJIMOTO YUKA CO.,LTD.  
 FUJISANGYO CO.,LTD.  
 FUJISEIKO LIMITED  
 FUJITA SHOJI CO.,LTD.  
 Japan Cutting Laboratory Co.,Ltd\*  
 FUKUDA Corporation  
 FUKUSHIMA FILE CO., LTD.\*  
 FUNASAW CO.,LTD  
 FURUKAWASEIKI  
 FUTAMURA MACHINES&TOOLS

#### G

GANRO INDUSTRIAL CORP.(JAPAN)  
 GCT Co. Ltd.\*  
 Genetec Corporation  
 GENIO Solutions Co.,Ltd.  
 GF Machining Solutions Ltd.  
 Gifu Protec. KK\*  
 Gleason Asia Co., Ltd.  
 Gleason-Saikuni Co., Ltd.  
 GLOBAL DIAMOND CO.,LTD.  
 GNS Co., Ltd.  
 Goshco Co., Ltd.  
 Gravotech K.K.  
 GREEN TOOL CO.,LTD  
 GREENTECH JAPAN CO.,LTD.  
 GROBAL PARTS CORP.  
 GRUNDFOS PUMPS K.K.  
 GUHRING JAPAN CO.,LTD  
 GUNKYO,INC

#### H

Haas Factory Outlet – Japan\*\*  
 Hachisuka Techno.Corp\*  
 Haimer Japan  
 HAINBUCH Japan K.K.  
 DENSO WAVE INCORPORATED\*  
 HAMAL.co.,Ltd.  
 HANEDA & Co.,Ltd  
 HARTING K.K.

HARU Technique Laboratory Inc.\*  
 HASEGAWA MACHINE WORKS LTD  
 Hashimoto Cloth Co., Ltd.  
 HASHIMOTO TECHNICAL INDUSTRY CO.,LTD.  
 HAT JAPAN CO.,LTD.\*  
 HAWE Japan Ltd.  
 HEIANA CORPORATION  
 HEIDENHAIN K.K.  
 HEIWA TECHNICA CO.,LTD.  
 HellermannTyton Co., Ltd.  
 Hexagon Manufacturing Intelligence  
 Hikari Trading Co., Ltd.\*  
 HIMACK CO., LTD.  
 HIRAOKA HYPER TOOLS,INC  
 HIROSE VALVE INDUSTRY CO.,LTD.  
 Hirox.Co.Ltd  
 Hishiko Corporation  
 Hitachi Metals, Ltd.\*\*  
 HIWIN CORPORATION  
 HMS Industrial Networks K.K.  
 Honda plus Co.,Ltd.  
 Honma Precision Metalworking Co.,Ltd.  
 HONMA SHOKAI Co.,LTD  
 HORKOS CORP  
 Houkoku engineering\*  
 Howa Machinery, Ltd.  
 HVAC System, Co.\*  
 HYDAC CO., LTD

#### I

ICHIGUCHI CORPORATION  
 ICHIKAWA GRINDER MFG.CO.,LTD  
 ICHINEN CHEMICALS Co.,ltd.  
 IDEC CORPORATION  
 Idemitsu Kosan  
 ifm efector co.ltd.  
 IFUKU SEIMITSU Co.,Ltd\*\*  
 IGUCHI KIKO CO., LTD.  
 igus k.k.  
 IHI Corporation  
 IHI Hauzer Techno Coating B.V.\*  
 IHI Ionbond Japan Co.,Ltd.\*  
 IKEGAI CORPORATION  
 IKURA SEIKI CO.,LTD  
 ILJIN JAPAN  
 IMAHASHI MFG.CO.,LTD.  
 IMAO CORPORATION  
 Improbe  
 Improbe.kk\*  
 INCOM Company LTD.  
 INKALOY Corporation  
 Integra Research Co., Ltd.  
 INTERNATIONAL DIAMOND INC.  
 ISCAR JAPAN LTD.  
 ITOCHU MACHINE-TECHNOS CORPORATION  
 ITOCHU Techno-Solutions Corporation  
 itp Co., Ltd.\*  
 IWAMA Co., Ltd.  
 IWASHITA INDUSTRIAL CO.,LTD.  
 Iwata Saw Mfg. Co., Ltd.  
 IWATA TOOL CO., LTD.  
 IZUMI CORPORATION  
 IZUSHI AND CO., LTD.

#### J

JAPAN AUTOMATIC MACHINE CO.,LTD.  
 Japan Aviation Electronics Industry Limited  
 Japan Coating Center Co., Ltd.  
 Japan Cutting Laboratory Co.,Ltd\*  
 JAPAN GAUGE CO., LTD.  
 JAPAN INDUSTRIAL PUBLISHING CO.,LTD  
 Japan Laser Corporation  
 Japan Speed Shore Co.,LTD  
 JAPANUL WOLFRAM CO.,LTD.  
 JATCO Tool  
 JBM Corporation  
 JEOL Ltd.  
 JMCS Japan Co.,Ltd.  
 JOHOKU CHEMICAL CO.,LTD  
 Johoku Chemical Trading Co.,Ltd\*\*  
 JTEKT CORPORATION  
 JXTG NipponOil&Energy Corporation

#### K

K.K.3A-SANGYO  
 K.MECS CO.,LTD.  
 K.T.System Co., Ltd.\*  
 KABUTO.MFG.CO.,LTD  
 KAGAKU KEIKI KENKYUSHO CO.,LTD.  
 Kamakura Seisakusho Co., Ltd.  
 Kamogawa Co.,Ltd\*  
 Kan Mechanical Industry,Inc  
 KANAGATA SHINBUN Co., LTD.  
 KANEFUSA CORPORATION  
 Kanematsu KGK Corp.  
 KANETEC CO.,LTD.  
 KANEX HAMONO KOGYO CO., LTD  
 KANTO BUSSAN CO.,LTD  
 KANTO SEIKI  
 KANZAKI KOKYUKOKI MFG.CO.,LTD.  
 HAMAL.co.,Ltd.  
 KARCHER Japan Co.,Ltd.  
 KARL STORZ ENDOSCOPY JAPAN K.K.

KASHIFUJI WORKS.LTD.  
 KATO MFG.CO.,LTD.  
 KAWAI ENGINEERING Co.,LTD  
 Kawasaki Heavy Industries, Ltd.\*  
 KAWASAKI TECHNOLOGY CO.,LTD.  
 KAWATA CHUCK MFG.CO.,LTD  
 KAWATEEC CORP.  
 KEBA Japan Co., Ltd.  
 KEIJI KOUSAN Co., Ltd.  
 Kennametal Japan Ltd.  
 KENSAKUKENMA Co.,Ltd.  
 KEYENCE CORPORATION  
 KF Carbide Japan Co.,Ltd.  
 Kimura Corporation  
 Kintsune seiki Co.,Ltd  
 KIRACORPORATION  
 KISOH CORPORATION  
 Kistel Japan Co., Ltd.  
 KISTEM Co.,Ltd  
 Kitagawa Corporation  
 kitai sangyo co.,ltd  
 kitamura machinery co.,ltd.  
 Kitamura Machine Works Co., Ltd.  
 KITAOKA Industrial, Inc.  
 KIWA MACHINERY CO., LTD.  
 KK GKD\*\*  
 KLINGELNBERG (JAPAN) LTD.  
 KOBAYASHI IRON WORKS CO.,LTD  
 KOBAYASHI MACHINE MFG.CO.,LTD.  
 KOBE STEEL, LTD.  
 Kodama Corporation, Ltd.  
 KOHARA GEAR INDUSTRY CO.,LTD  
 KOIKE SANSO KOGYO CO., LTD.  
 Komatsu NTC Ltd.  
 KOMET GROUP KK  
 Komori Safety Device Laboratory  
 Company Limited  
 Kondo Machine Works Co., Ltd  
 Kondoh Seisakusho co., ltd  
 KONITECH INC.  
 Koremura Asahi Diamond Industrial Co., Ltd.\*\*  
 Kosaka Laboratory  
 KOSHUHA PRECISION Co.,Ltd  
 KOSMEK LTD.  
 KOUKEN  
 KOUWAKOUGYO CO.,LTD  
 KOWA EMTECH CO.,LTD.  
 KOYO GIKEN INC.  
 KOYO MACHINE INDUSTRIES CO., LTD.  
 KREUZ CO.,LTD.  
 Kunimori Kagaku Co.,Ltd.  
 KURAKI CO., LTD  
 KURE GRINDING WHEEL CO., LTD  
 KURODA PRECISION INDUSTRIES LTD.  
 KYOCERA Corporation  
 Kyoni co.,ltd  
 KYORITSU GOKIN CO.,LTD.  
 KYORITSUSEIKI CORPORATION  
 KYOUJIKU GEAR MFG.CO.,LTD.  
 Kyouwa Oil Lubricants Co., Ltd.  
 KYOWA CO.,LTD  
 KYUSHU KOGU CO.,LTD.

#### L

L AND M Corporation  
 LEYBOLD Co., Ltd.  
 Licom Systems Corp.  
 LNS JAPAN GK\*  
 LUBE corporation  
 lubysil japan kk  
 MA TOOL CO., LTD.  
 MACHINESOL Co., Ltd.  
 MACNICA, Inc.  
 MAEDA SHELL SERVICE CO., LTD.  
 Magnescale, Co., Ltd  
 Magtronics Co.,Ltd.  
 Mahr Japan Co., Ltd.  
 Makino Milling Machine Co.,Ltd.  
 Makino Seiki Co., Ltd.  
 MAKOTOLOY Co.,Ltd  
 MANYO TOOLS CO., LTD.  
 MAPAL KK  
 Marposch Kabushiki Kaisya  
 MARUBENI INFORMATION SYSTEMS CO.LTD.  
 MARUEI MACHINE WORKS CO., LTD.  
 MARUI TECHNO CO., LTD\*  
 MARIUCHI CUTTING TOOLS CO.,LTD.  
 Sangan Machinery Co., Ltd.  
 Materialise KK  
 MATSUDA SEIKI CO., LTD  
 MATSUMOTO MACHINE CO., LTD  
 MATSUOKA CUTTER MFG.CO.,LTD  
 Matsuura Machinery Corporation  
 MECTRON INC.  
 Meiko Industry Co., Ltd.  
 MEIKO MACHINE CO.,LTD  
 Meinan Kikai.Corp\*  
 Metrol Co., Ltd.  
 Metrotec Corporation  
 Microbo Co., Ltd.\*

MICRO-FIX JAPAN CO.,LTD.  
 Micron Machinery Co., Ltd  
 Midori Anzen Air Quality co.,ltd.  
 Miki Pulley Co., Ltd  
 MINITOR CO.,LTD  
 MINORI INDUSTRY CO.,LTD.  
 MIROKU Machine Tool, INC.  
 MITAKA KOHKI CO., LTD.  
 Mitsubishi Corporation Technos  
 MITSUBISHI ELECTRIC CORPORATION  
 MITSUBISHI HEAVY INDUSTRIES MACHINE TOOL CO., LTD.  
 Mitsubishi Hitachi Tool Engineering, Ltd.  
 Mitsubishi Hitachi Tool Engineering, Ltd.\*\*  
 MITSUBISHI MATERIALS CORPORATION  
 MITSUBOSHI KOGYO CO., LTD.  
 MITSUJHATA MACHINERY CO.,LTD  
 MITSUI & CO. MACHINE TECH.LTD.\*  
 MITSUI GRINDING WHEEL CO.,LTD.  
 Mitsui High-tec, Inc.  
 MITSUI KOKUIN  
 MITSUI SEIKI KOGYO CO.,LTD.  
 Mitutoyo Corporation  
 Miyakawa Industry.co.ltd  
 MIZUHO Co.,Ltd.  
 MONODUKURI REVIEW CO.,LTD.  
 Mori Haguruma.KK\*  
 Mori Kougyou.KK\*

#### M

MOSTEC JAPAN Co.,Ltd\*  
 Motoyuki Co.,Ltd  
 MOVAC LTD  
 MST Corporation  
 MURAKI LTD.  
 MURATA MACHINERY,LTD.  
 MY TOOL NAGANO CO., LTD.

#### N

NABELL CORPORATION  
 Nabeya Co.,Ltd.  
 NACHI-FUJIKOSHI CORP.  
 NAGAHAMA SEISAKUSHO LTD.  
 NAGASE INTEGRX Co.,Ltd.  
 NAGASHIMA SEIKO CO.,LTD  
 NAGEL-AOBA PRECISION CO.,LTD.  
 NAKA SEIKI CO.,LTD  
 NAKAHARA CHEMICAL PRODUSTRY CO.LTD  
 NAKAMURA MFG. CO., LTD.  
 Nakamura-Tome Precision Industry Co.,LTD.  
 NAKANIHON-RO KOGYO CO.,LTD.  
 NAKANISHI INC.  
 Nango Co.,Ltd.  
 NBK  
 NEOS COMPANY LIMITED  
 NEW SANKYO TOOL CO.,LTD.  
 NEW STRONG CO.,LTD.  
 NEWREGISTON Co.,Ltd.  
 News Digest Publishing Co., Ltd.  
 Nextscience\*

#### O

OHNO PISCO CO.,LTD.  
 NIHON SEIKI CO., LTD.  
 NIHON SEIMITSU KIKAI KOSAKU Co.,Ltd.  
 Nihon Tsukuridaisu .inc  
 Nihon-ALSYS.Inc  
 NIHONSEIKI CO.,LTD.  
 NIIGATA MACHINE TECHNO CO.,LTD.  
 Niigata riken sokuhan co., ltd.  
 Niigata seiki Co.,Ltd.  
 Nikka Seiko Co., Ltd.  
 Nikkei Business Publications,Inc.  
 NIKKEN KOSAKUSHO WORKS,LTD.  
 NIKKI.TRADING.CO  
 NIKKO-YPK SHOJI CO., LTD.\*  
 NIKON INSTTECH CO., LTD.  
 Nikuni Co., Ltd.  
 NILES MACHINE CO.,LTD.  
 NILES MACHINE CO.,LTD.\*\*  
 NIPPON BEARING CO.,LTD.  
 NIPPON CHOKO CO.LTD  
 NIPPON DIAMOND CO.,LTD  
 NIPPON JABARA CO.,LTD  
 Nippon Mecha-Chemical Co.,Ltd  
 Nippon Oil Pump Co.,Ltd.  
 Nippon Schneberger K.K.  
 NIPPON THOMPSON CO., LTD.  
 NIPPON TOKUSHU GOUKIN CO.,LTD.  
 NIPPON VISION ENGINEERING CO., LTD.  
 Nishijima Corporation  
 NISSEI HOMMA MACHINERY CO.,LTD.  
 NISSHIN RUBBER CO.,LTD.  
 NISSHO MACHINERY CO.,LTD  
 NISSIN MACHINE WORKS,LTD.  
 NISSIN MANUFACTURING CO., LTD.  
 NISSIN SEIKI Co. Ltd.  
 Nitolex Corporation  
 Nitta Corporation  
 NITTO KOGYO  
 Nitto Kohki Co., Ltd.  
 NITTO POLYGON Co., Ltd  
 Nitto shoji kaisha.Ltd  
 NK-works co.,ltd.  
 NOAH CORPORATION

Nobby Tech. Ltd.  
 NOGA WATERS LTD.  
 NOMURA DS CO., LTD  
 NORUMA MACHINE TOOL WORKS, LTD  
 MINORITA CO.,LIMITED  
 NOTOALLOY Co.,Ltd.  
 MIROKU Machine Tool, INC.  
 MITAKA KOHKI CO., LTD.  
 NSK Ltd  
 NTK TOOL CORPORATION  
 NTK Cutting Tools  
 NTN Corporation  
 NUMUNOME ELECTRIC CO.,LTD

#### O

OBISHI KEIKI SEISAKUSHO CO.,LTD  
 Oerlikon Nihon Balzers Coating Co., Ltd.  
 OGASAWARA PRECISION LABORATORY LTD.  
 OGURA CLUTCH CO.,LTD.  
 OHM ELECTRIC CO., LTD.  
 OHMINE INDUSTRY CO., LTD.  
 OHMIYA MACHINERY CO.,LTD  
 OHTORI KIKO CO., LTD.  
 Okawa Hamono kogyo Ltd.  
 OJIYA SEIKI CO.,LTD  
 OKAMOTO MACHINE TOOL WORKS,LTD  
 OKASUGI CO.LTD.  
 OKAZAKI SEIKO CO.,LTD.  
 OKK CORPORATION  
 OKUMA Corporation  
 Olympus Corporation  
 O-M LTD.  
 OPEN MIND Technologies Japan K.K.  
 OPM laboratory Co.,Ltd.\*  
 Optical Comb,Inc.  
 OPTON  
 ORiN conference  
 ORION TOOL CO.,LTD  
 Osaka Seikan Co.,Ltd.  
 Osaka Seimitsu Kikai Co., Ltd.  
 OSG Corporation  
 OTSUKA ELECTRONICS CO.,LTD.  
 OTSUKA OPTICS CO.,LTD.  
 OZAKI MFG. CO.,LTD.

#### P

P & C LTD.  
 PAL CO.,LTD.  
 Panduit Corp.  
 Pascal Corporation  
 PATLITE Corporation  
 PHOTRON LIMITED  
 Pioneer Machine Tools, inc.  
 Pioneer Trading Company\*  
 Polytec Japan  
 PRECISION TOOL MAKERS EXPORT GROUP, LTD.  
 PRIORITY CO.,LTD  
 PULSTEC INDUSTRIAL CO.,LTD.

#### R

READ Co.,Ltd  
 REIHOU CO.LTD  
 Reishauer KK  
 Renishaw KK  
 RESITON Co., Ltd.  
 RESMOTOOL CO.,LTD.  
 RF Co., Ltd.  
 R-GOT CO.,LTD  
 Rhinos Company Ltd.  
 RIKEN SEIKI Co.,Ltd.  
 Rittal K.K.  
 RIX CORPORATION  
 RMF Japan Co., Ltd.  
 ROBOTEC Inc.\*  
 Roemheld Halder Co.,Ltd.  
 Roku-Roku Sangyo, Ltd  
 ROKU-ROKU SANGYO, LTD.\*  
 ROSS ASIA K.K.  
 RYOOCO SEIKI CO.LTD  
 Ryokosha Co., Ltd.

#### S

S&F Inc.  
 SAEILO ASIANET,INC.  
 SAEILO JAPAN, INC.  
 SAIDA-UMS CO.,LTD.  
 Saint Gobain K.K.  
 Saito Seisakusho Co., Ltd.  
 SAKURAI LTD.  
 SAN-AI ECOSYSTEM CO.,LTD  
 Sanalloy Industry Co.,Ltd.  
 SANDVIK K.K.  
 Sangen Corporation  
 SANKI MANUFACTURING CO.,LTD.  
 SANKI TECHNOS CO., LTD  
 SANKYO SEISAKUSHO CO.  
 SANRITSU SEIKI Co.,ltd.\*\*  
 SANSHIN CO.,LTD.  
 Sanwa Robotics Co.,Ltd.  
 SANWA SEISAKUSHO CO.,LTD  
 SANWA SHOKU CO., LTD.  
 SANWAKOYU CO., LTD.  
 SANYO MACHINE CO.,LTD.  
 SANYO MFG.CO.,LTD.  
 SANYO TOOL MFG.Co.,Ltd.

Sato Special Oil Co., Ltd.  
 Sawari Engineering Co.,Ltd.  
 Schmersal Japan K.K.  
 SCHUNK Intec K.K.  
 SeaForce Co.  
 SEAL TECH INC.  
 SEAL TECH INC.\*\*  
 Seibu Electric & Machinery Co.,Ltd.  
 Seiko Instruments Inc.  
 SEIWA CORPORATION  
 SENJO SEIKI CO.,LTD  
 SENSU ELECTRIC CO.,LTD  
 SHIBUYA CORPORATION  
 SHIGIYA MACHINERY WORKS LTD.  
 SHIMADA MACHINERY Co., LTD  
 Shimadzu Industrial Systems Co.,Ltd.  
 Shimizu Denetsu Kogyo Co.,Ltd.  
 SHIN NIPPON KOKI CO.,LTD.  
 SHINANO KIHAN Co.,LTD  
 SHINKO MFG.CO.,LTD  
 ShinMaywa Industries, Ltd.  
 SHIN-ON ELECTRIC CO.,LTD.  
 SHINSEI CORPORATION  
 SHIZUOKA MACHINE TOOL CO., LTD  
 SHODA  
 Shoh-Koh co.,ltd.  
 Shoh-Koh, Co.Ltd\*

Shoukokeizai shimbun  
 SHOWA CORPORATION  
 SHOWA DENKI CO., LTD.  
 SHOWA PRECISION INDUSTRIES CO.,LTD.  
 SHOWA TOOL  
 SIEMENS K.K.  
 sigma electronics co.,Ltd.  
 Silver Alloy Co.,Ltd.  
 SKF Japan Ltd.  
 Slab Corp.  
 SMIW-AUTOBLOK JAPAN INC.  
 Sodick Co.,Ltd.  
 Sodick LED Co.,Ltd.\*  
 Sofix Co.,Ltd.  
 SOKUHANSHA CO.,Ltd  
 SOL Corporation  
 SOLTON CO.,LTD.  
 SOMAX CO.,LTD.  
 SOSHIN ELECTRIC CO.,LTD.  
 SOWA Co.,Ltd.  
 Spatial  
 Speedy Target Group, Ltd.  
 SPI ENGINEERING CO., LTD  
 Star Microincs Co., Ltd.  
 ST-Link Co.,LTD  
 STO CO., LTD.  
 SUGANUMA TOISHI SEISAKUSHO CO.,LTD  
 SUGATSUNE KOGYO CO.,LTD  
 SUGINO MACHINE LIMITED  
 Sunflex Co., Ltd.  
 SUMITOMO ELECTRIC INDUSTRIES, LTD.  
 Sumitomo Heavy Industries Finetech, Ltd.  
 Sumitomo Precision Products Co.,Ltd  
 Sun Instruments, Inc.\*  
 SUN MAINTENANCE KOKI CO., LTD\*  
 SUN-YELL INTERNATIONAL CORPORATION  
 SUNVS TECHNOLOGY CO LTD.  
 SWISS JAPAN KK

#### T

TACC Corporation  
 TACS CORPORATION  
 TACTX Co.,Ltd.  
 TAEGUTECH JAPAN LTD.  
 taigashuppan  
 TAISEI KOGYO Co.,Ltd.  
 TAIYO KOKI CO.,LTD.  
 TAIYO-TOOL CO.,LTD.  
 TAIYU CO., LTD  
 Tajima Light Metal Co., Ltd.  
 Takagi Steel.KK\*\*  
 TAKAHASHI MACHINERY CO.,LTD.  
 Takahashi Seiki Corp.\*\*  
 Takahashi Tools Co., Ltd.  
 TAKAHIRO ENGINEERING WORKS LTD.  
 TAKAMATSU MACHINERY CO.,LTD.  
 TAKAMAZ EMAG Co., Ltd.\*  
 Takashima Sangyo Co.,Ltd.  
 TAKAYAMA TRADING COMPANY LIMITED  
 TAKEDA MACHINE TOOLS CO., LTD.  
 TAKEEDASUNTEC CO., LTD.\*  
 TAKEUCHI PRECISION WORKS CO.,LTD.  
 Takisawa Machine Tool Co., Ltd.  
 takura kougou seisakusyo  
 TANITEC CORPORATION  
 TANIQ MFG.CO.,LTD.  
 TATENEO CO., LTD.  
 TATSUNO SEWING DOCTOR COMPANY  
 Tech-YASUDA Co.,LTD  
 Techno Dynamics Inc.  
 Techno Nakanishi Co. Ltd.  
 TECHNOQA Inc.  
 TechnoCoat Co., Ltd.  
 Technology Research Association of Future  
 Additive Manufacturing  
 TECLOCK Corporation

#### X

XEBEC TECHNOLOGY CO.,LTD.

#### Y

YACHIYO CORPORATION CO., LTD  
 YAMADA MACHINE TOOL CO.,Ltd  
 Yamada Seisakusho KK\*  
 YAMAGUCHI SANGYO CO., LTD.  
 Yamamoto Scientific Tool Laboratory Co., Ltd.  
 YAMASAKI GIKEN CO., LTD.  
 Yamashita Works Co.,Ltd.\*  
 YAMAWA MFG.CO.,Ltd.  
 YAMAZAKI MAZAK CORPORATION  
 YANASE CO.,LTD  
 YANO METALS CO.,LTD.  
 YASDA PRECISION TOOLS K.K.  
 YG-1 JAPAN CO.,LTD.  
 YKT CORPORATION  
 Yodogawa Electric Tool MFG.,  
 YONEZAWA KOKI CO.,LTD.  
 YOSHIKAWA IRON WORKS CO., LTD.  
 YOSHIKAWA MAPLE Co.Ltd  
 Yuken Kogyo Co., Ltd.  
 YUKI LABORATORY CO.,LTD.  
 YUKIWA SEIKO INC.  
 YUKO CORPORATION  
 YUSHIRO CHEMICAL INDUSTRY CO.,LTD.  
 YUTANI Co.,Ltd.

#### Z

ZOLLER Japan KK

Thermal Co.,Ltd.  
 THK CO.,LTD.  
 Tipton Corp.  
 TODASEIKI  
 TOHSHIN TECHNICAL CO.,LTD.  
 TOKO CO., LTD.  
 TOKYO AUTOMACH CO.,LTD.  
 TOKYO BOEKI TECHNO-SYSTEM, LTD.  
 TOKYO BRAZE Co.,Ltd.  
 Tokyo Chokoku Marking Products Co.,Ltd  
 TOKYO ENGINEERING CO.,LTD  
 Tokyo Metropolitan Small and Medium  
 Enterprise Support Center  
 Tokyo Oilanalyzer Co.,Ltd.\*  
 TOKYO SEIKI KOSAKUSHO CO.,LTD.  
 TOKYO SEIMITSU CO., LTD.  
 TOKYO SEIMITSU HATSUJO CO.,LTD.  
 TOKYO TAPPING MACHINE CO., LTD.  
 TOKYO TECHNICAL INSTRUMENTS INC.  
 TOMITA CO.,LTD.  
 TOOL DE INTERNATIONAL Co., LTD.  
 Tool Discovery Ltd.\*  
 TOSHIBA MACHINE CO.,LTD  
 TOWA CORPORATION  
 Toy Advanced Technologies Co.,Ltd.  
 TOYO Co.,Ltd  
 TOYO CORPORATION  
 TOYO KENMAZAI KOGYO LTD.  
 TOYO MACHINE MFG.CO.,LTD.  
 TOYO SCREEN KOGYO Co.,LTD.  
 TOYO SEIKI KOGYO CO.,LTD  
 TOYODA VAN MOPPS LTD.  
 Transor Filter Japan K.K.  
 TRI engineering company limited\*  
 Trio Engineering Co., Ltd.  
 Trioptics Japan Co.,Ltd.  
 Triple R Co., Ltd.  
 TRUMPF Corporation  
 SMDW-CO.LTD  
 Sodik Co.,Ltd.  
 Sodik LED Co.,Ltd.\*  
 Sofix Co.,Ltd.  
 SOKUHANSHA CO.,Ltd  
 SOL Corporation  
 SOLTON CO.,LTD.  
 SOMAX CO.,LTD.  
 SOSHIN ELECTRIC CO.,LTD.  
 SOWA Co.,Ltd.  
 Spatial  
 Speedy Target Group, Ltd.  
 SPI ENGINEERING CO., LTD  
 Star Microincs Co., Ltd.  
 ST-Link Co.,LTD  
 STO CO., LTD.  
 SUGANUMA TOISHI SEISAKUSHO CO.,LTD  
 SUGATSUNE KOGYO CO.,LTD  
 SUGINO MACHINE LIMITED  
 Sunflex Co., Ltd.  
 SUMITOMO ELECTRIC INDUSTRIES, LTD.  
 Sumitomo Heavy Industries Finetech, Ltd.  
 Sumitomo Precision Products Co.,Ltd  
 Sun Instruments, Inc.\*  
 SUN MAINTENANCE KOKI CO., LTD\*  
 SUN-YELL INTERNATIONAL CORPORATION  
 SUNVS TECHNOLOGY CO LTD.  
 SWISS JAPAN KK

Superabrasives Co.,Ltd  
 KAISER TOOL COMPANY, INC.\*\*  
 KAO MING MACHINERY INDUSTRIAL CO.,LTD\*  
 KAPP NILES GmbH & Co. KG\*\*  
 KASTO Maschinenbau GmbH & Co. KG\*\*  
 Kelch GmbH\*\*  
 KENT INDUSTRIAL CO.,LTD  
 KEYARROW(TAIWAN)CO., LTD.  
 KINGDOM ABRASIVE CO., LTD.\*  
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 DIXI\*\*  
 DLS schmiersysteme GmbH\*  
 DONGGUAN HIPPS HARDWARE MACHINERY CO LTD  
 Donyte Systems Limited\*  
 Dormer Pramet\*  
 DT technologies CZ s.r.o.  
 DYC CO., LTD.  
 ECHANTOOL INDUSTRY CO., LTD.\*  
 ECONOMIC DAILY NEWS-CENS.COM\*  
 efeler-Vacotec GmbH  
 Erojelt Ltd.\*\*  
 Etalon AG\*  
 EURO-TECH CORPORATION\*\*  
 EVERISING MACHINE CO.  
 EVORT ITALIA s.r.l.\*  
 EVOSET AG\*\*  
 EWAG AG\*  
 EWS Weigel GmbH & Co. KG\*\*  
 EXACT MACHINERY CO.,LTD  
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Eyan Machine Tools Co., Ltd.  
 Felsomat GmbH & Co. KG\*  
 FILTERMIST INTERNATIONAL LTD.\*\*  
 Fladder Danmark A/S  
 FLEURY SA\*\*  
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 Fongei Industry CO., LTD.  
 Forbes & Company Limited\*  
 Franz KESSLER GmbH\*\*  
 FRIGGI SOITAAB\*\*  
 Fritz Studer AG\*  
 FUBRI s.r.l.\*\*  
 Fujing Lanjin New Material Technology Co Ltd  
 Future Life Technology Co., Ltd.  
 GALDABINI s.p.a\*\*  
 Gebr. Reinfurt GmbH& Co.KG\*\*  
 Gebr. SAACKE GmbH & Co. KG\*  
 GEMtool Co., LTD.  
 Geometric Precision Industry Co., Ltd.\*  
 GSA TECHNOLOGY CO., LTD.  
 GUANGZHOU LINK AUTOMATION EQUIPMENT CO.LTD  
 GÜDEL AG\*\*  
 Guilin Digital Electronic Co., Ltd  
 HAAS Schleifmaschinen GmbH\*  
 HABOR PRECISE INC.  
 HABRAMA GmbH\*\*  
 HANSUNG GT Co.,Ltd  
 Hebei Huayuan Machine Tool Accessories Co., Ltd.  
 Hebei Ruiao Machine Tool Accessories Producing Co., Ltd.  
 HEB-Systemtechnik GmbH & Co. KG\*  
 HENAN LIDL DIAMOND TECHNOLOGY CO.,LTD  
 HENAN HOLLING DIAMOND CO LTD  
 Henan Yuxing Sino Crystal Micron Diamond Co., Ltd.

HONGJI ABRASIVE TECH CO LTD  
 Zhengzhou Cemented Carbide Group Co., Ltd.  
 ZZDM Superabrasives Co.,Ltd.

HONGJI ABRASIVE TECH CO LTD  
 Zhengzhou Cemented Carbide Group Co., Ltd.  
 ZZDM Superabrasives Co.,Ltd.

HONGJI ABRASIVE TECH CO LTD  
 Zhengzhou Cemented Carbide Group Co., Ltd.  
 ZZDM Superabrasives Co.,Ltd.

ALGRA S.p.A.\*  
 Alicona Imaging GmbH\*  
 AM Technology Co.,Ltd\*  
 Apex Precision Technology Corp.\*  
 Applied Automation Technologies  
 Applitec Moutier SA\*  
 A-RYUNG MACHINERY IND. CO., LTD.  
 Asmith Manufacturing Company  
 ATA Tools, Inc.\*\*  
 ATE antriebsstechnik und entwicklungs GmbH & Co. KG\*\*  
 AutoCam Technology Co.,LTD  
 Balance systems s.r.l.\*\*  
 BC Technologies SA\*\*  
 Beijing Grish Hitech Co Ltd  
 Beijing Moving-Goods Precision R