

JAPAN Press Conference at EMO 2021

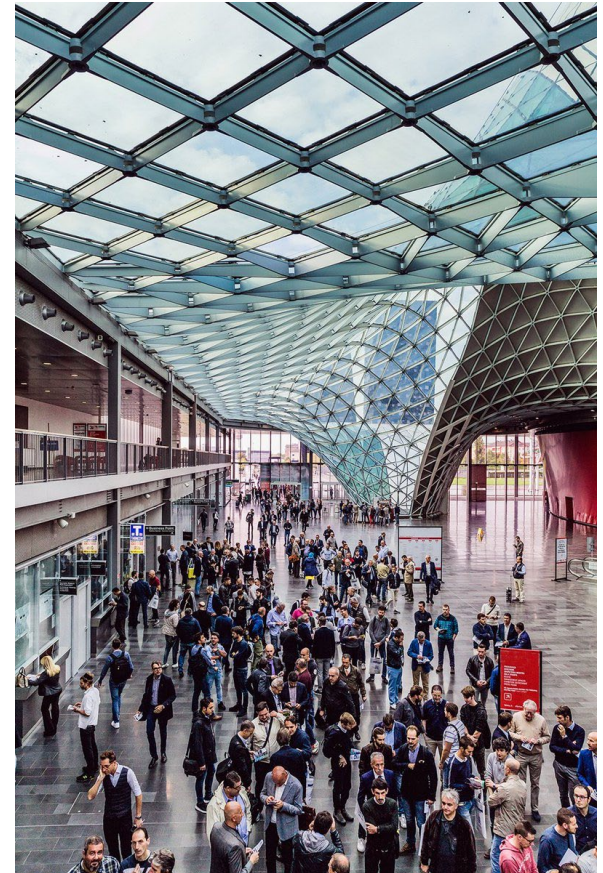
Program

- Opening Remarks
by Yoshiharu INABA Chairman, JMTBA
- Report of Recent Economy and Machine Tools Trend in Japan
by Kazuo YUHARA President, JMTBA
- JIMTOF 2022 Promotion Video
- JIMTOF 2022 Presentation
by Yasuo TSUKUNI Executive Vice President & CEO
Tokyo Big Sight Inc.
- Q & A Session





Yoshiharu INABA
Chairman, JMTBA



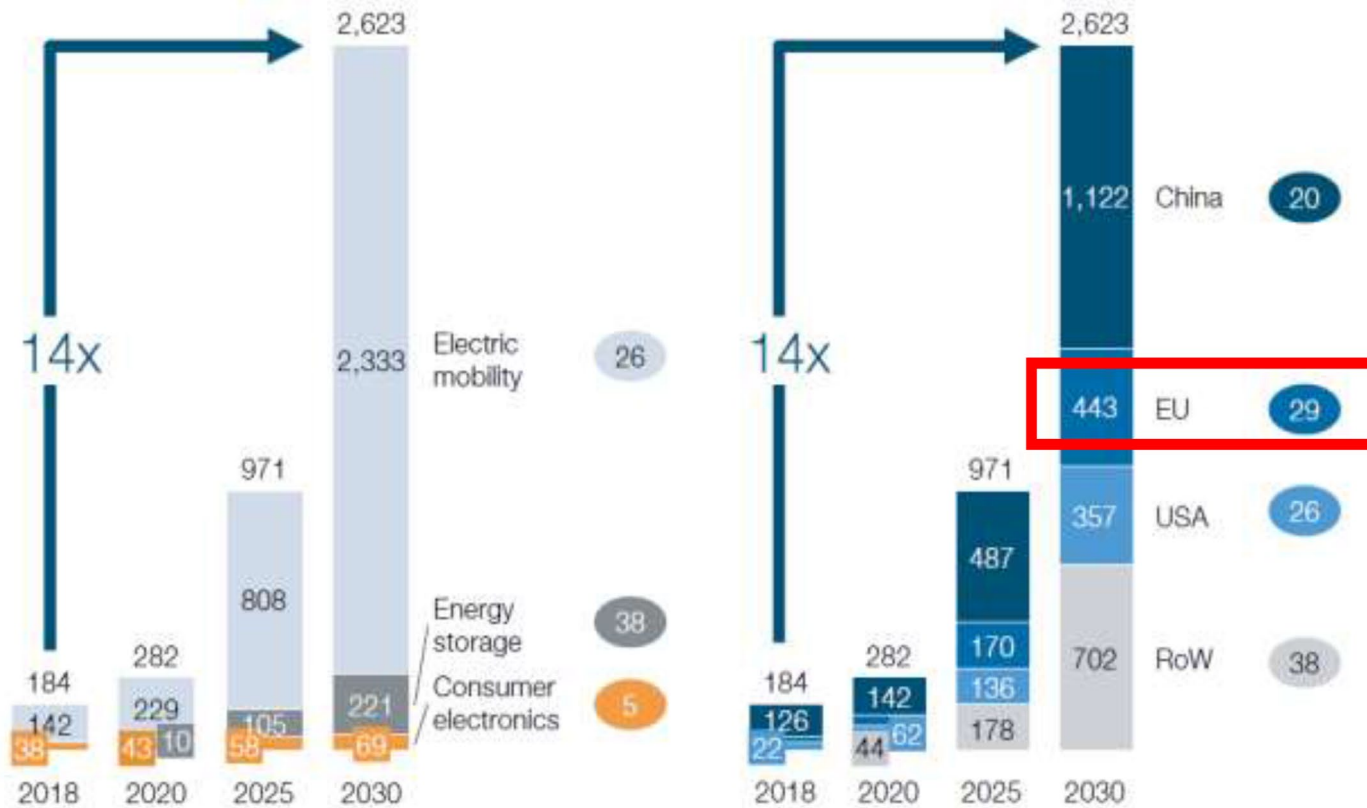
EMO ILANO 2021





Prospect of the battery demand

(GWh/year)



Source : European Commission

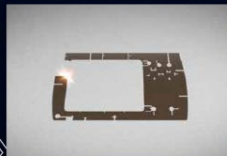


Repeated Laser Processing for 10 Layers

1. Powder Distribution



2. Laser Processing



3. High-Speed Milling

High-speed milling is performed per every 10 layers.



Repeated metal laser processing and high-speed milling

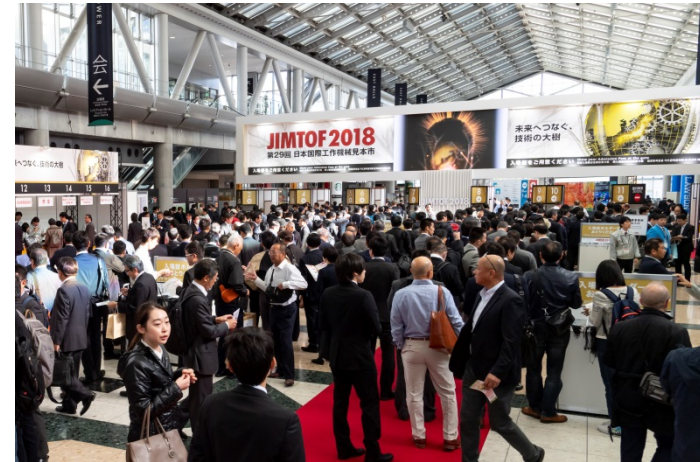




Invitation to JIMTOF-Tokyo 2022

Date: November 8 (Tue.) – November 13 (Sun.), 2022

Venue: Tokyo Big Sight







Kazuo Yuhara

President

Japan Machine Tool Builders' Association

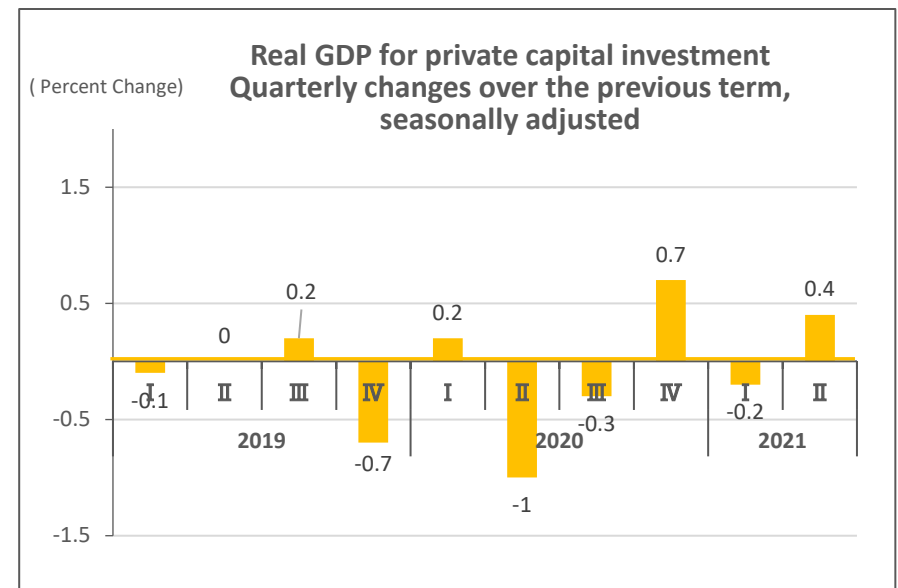
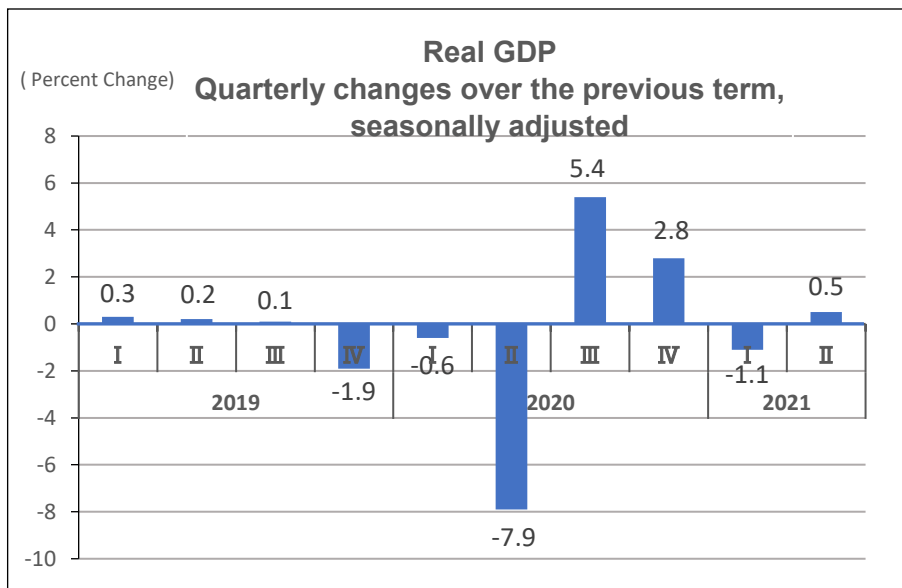
Economic Trends in Japan

Year over Year	2016	2017	2018	2019	2020
Real GDP	0.8	1.7	0.6	0	-4.6
Private Consumption	-0.4	1.1	0.3	-0.3	-5.8
Private Residential Investment	3.9	0.5	-6.4	3.9	-7.1
Private Non-Resi.Investment	0.1	2.4	1.7	0.1	-6.0
Nominal GDP	1.2	1.6	0.6	0.7	-3.8

• Real GDP Growth Rate

From 2016 to 2019, Japanese economy grew due to a virtuous cycle. In 2020, COVID-19 led to negative growth.

The capital investment sector grew for nine consecutive years from 2011 to 2019, but in 2020, COVID-19 led to negative growth for the first time in 10 years.

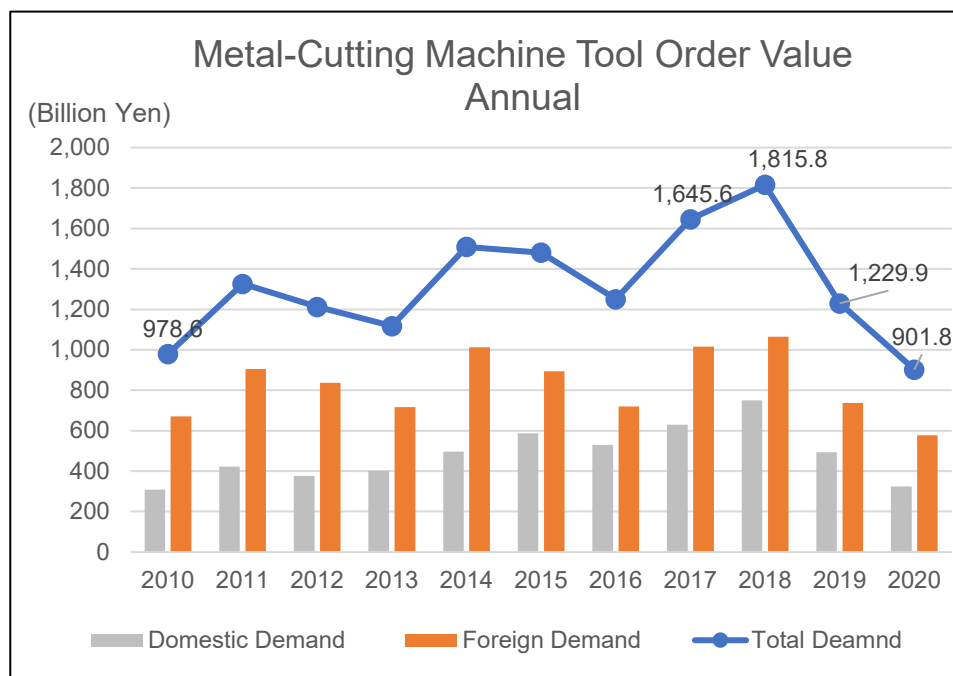


Source: Cabinet Office

Machine Tool Orders in Japan (Total Demand)

- Orders in 2017 and 2018 were strong because of vigorous capital investment around the world. As a result, orders reached a record high and exceeded 1.8 trillion yen (equivalent to \$164 billion, €139 billion) for the first time.
- In 2019, the opaque outlook for the global economy led to deteriorating investment conditions. In 2020, the economic environment suffered a further blow from COVID-19 and it hit bottom in May 2020, and started to recover thereafter.

(Billion Yen, Year over Year)

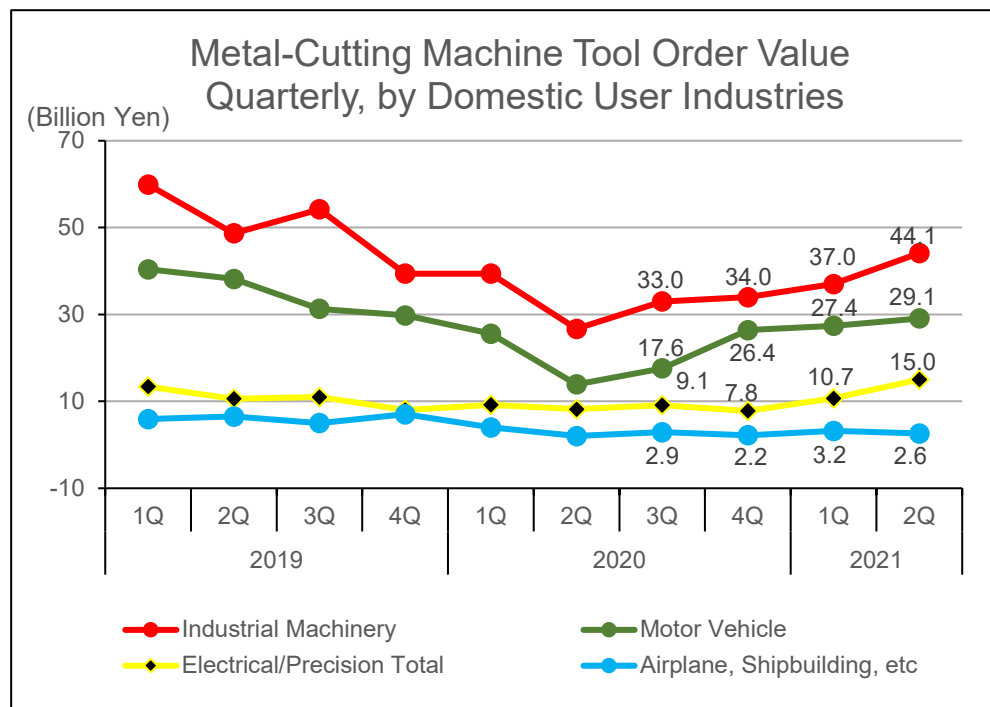


C.Y.	2020	2021 Jan-Aug
Total	901.8 (-26.7%)	963.0 (+75.8)
Domestic	324.5 (-34.2%)	301.3 (+46.0)
Foreign	577.4 (-21.6%)	661.7 (+93.8)

Source: Japan Machine Tool Builders' Association

Machine Tool Orders in Japan (Domestic Demand)

- Domestic demand in 2019 was affected by the global economy, so that investment stagnated .
- In 2020, with the effects of COVID-19, the situation for capital investment became challenging. Because of becoming apparent of pent-up demand, investment in electrification by the automotive industry, and the rising demand in the semiconductor industry, the need for capital investment was high, and it is believed that this recovery continue in 2021.



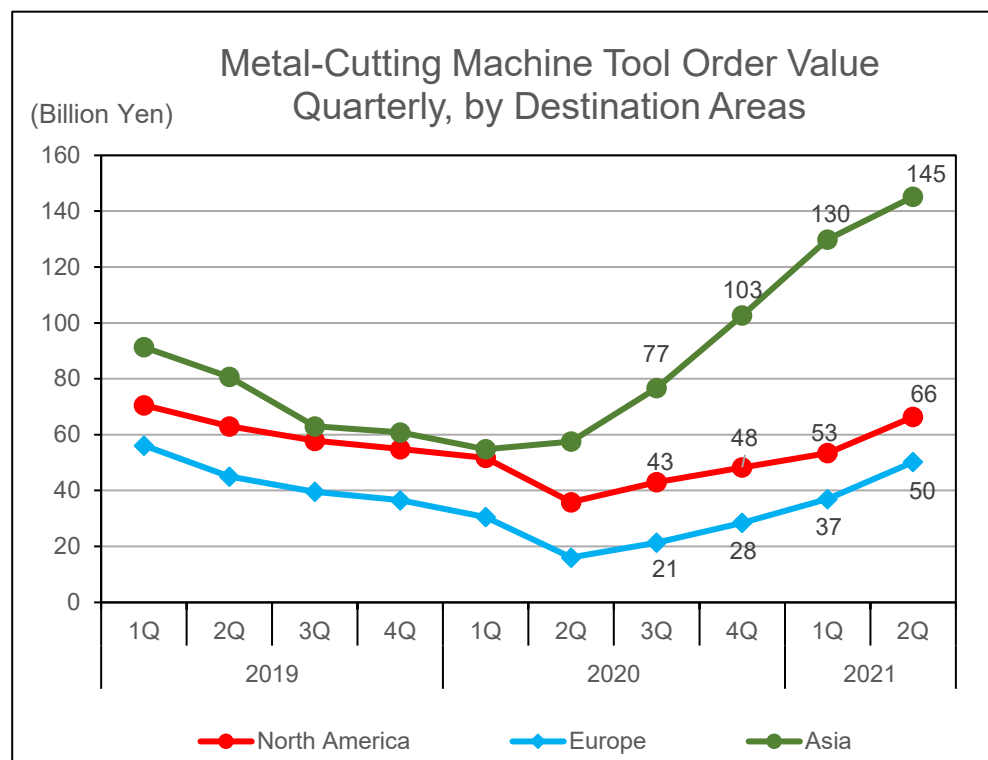
Source: Japan Machine Tool Builders' Association

(Billion Yen, Year over year)

C.Y.	2020 Annual	2021 Jan-Aug
Total	324.5 (-34.2%)	301.3 (+75.8)
General Machinery	133.1 (-34.2%)	116.1 (+33.3)
Automobile	83.4 (-40.3%)	74.3 (+49.5)
Electric & Precision	34.3 (-20.2%)	38.7 (+67.7)
Airplane, Shipbuilding etc	11.1 (-54.6%)	7.9 (+ 7.9)

Machine Tool Orders in Japan (Foreign Demand)

- Foreign demand fell considerably in 2019. In addition to the trade friction between the U.S. and China, recessions in the major markets caused capital investment to peak out.
- Afer 2nd Quarter of 2019, demand for machine tools in the major markets increase.



Source: Japan Machine Tool Builders' Association

(Billion Yen, Year over year)

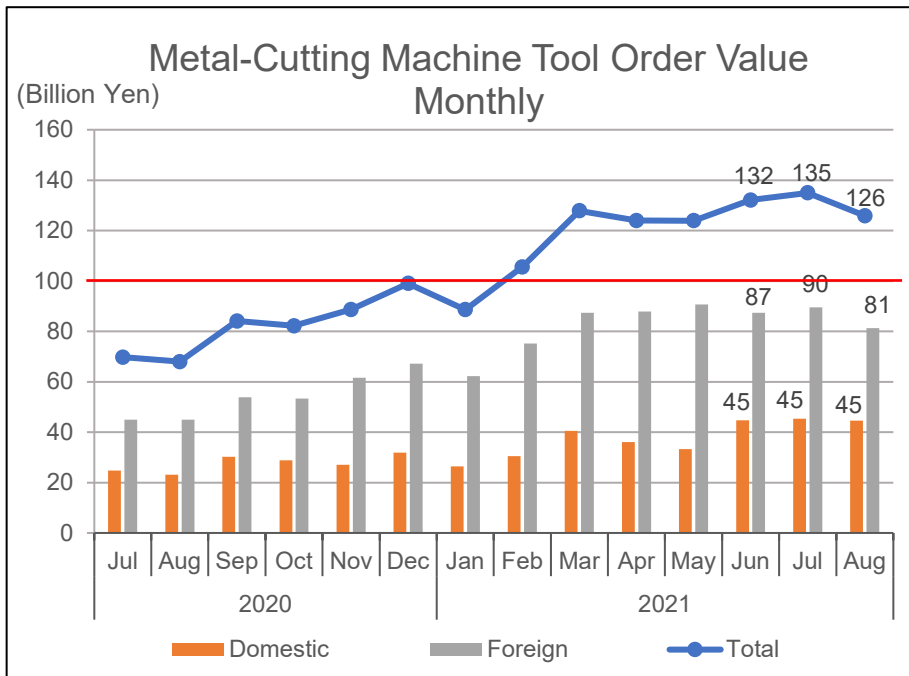
C.Y.	2020 Annual	2021 Jan-Aug
Total	577.4 (-21.6%)	661.7 (+93.8)
Asia	291.6 (-1.4%)	353.1 (+121.5)
Europe	96.3 (-45.6%)	127.0 (+110.3)
North America	178.8 (-27.4%)	168.0 (+46.4)

Pros (positive factors)

- Vigorous capital investment in semiconductor sectors
- Electrification and the development of autonomous driving in the automotive sector
- Needs for automation and greater efficiency to improve productivity

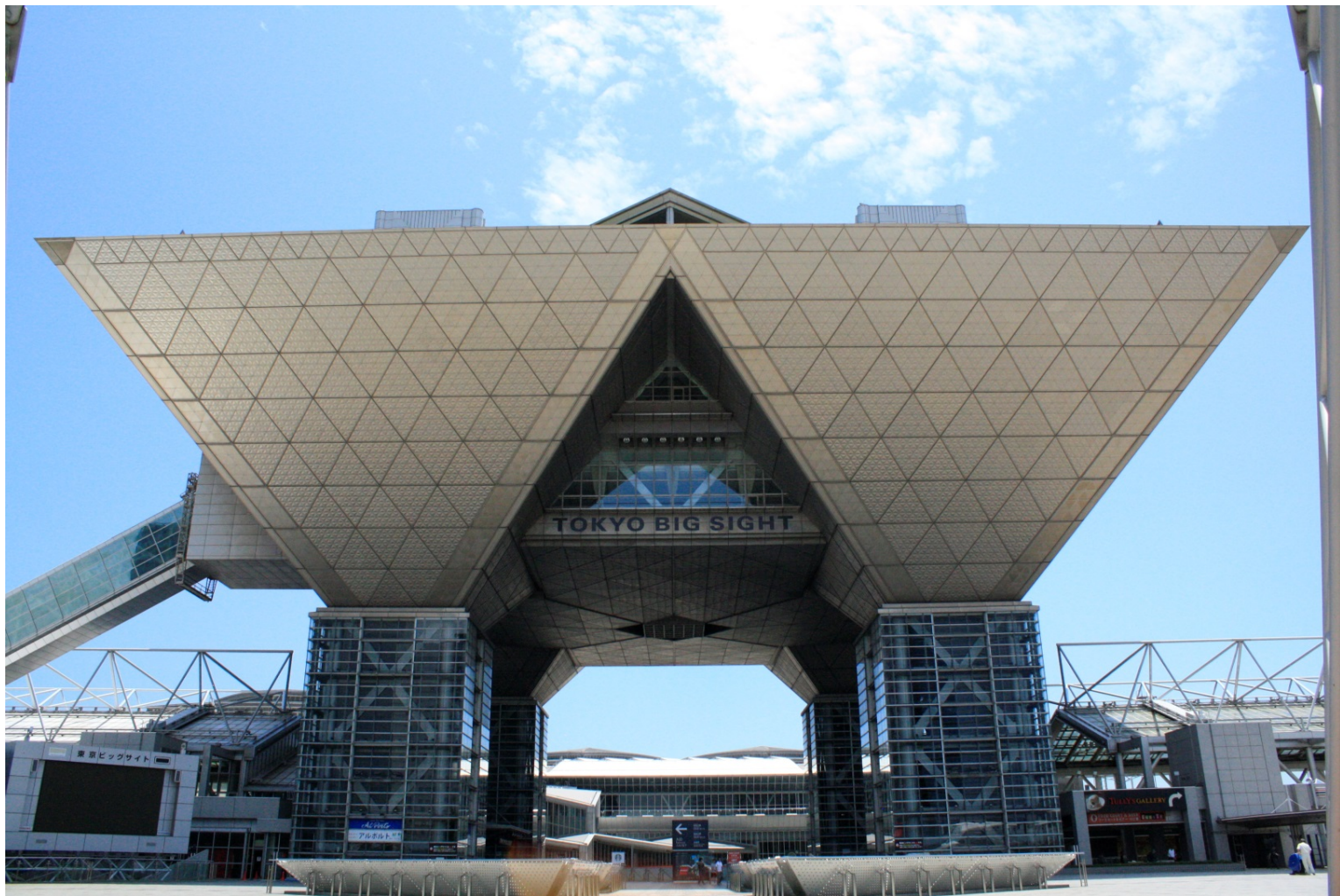
Cons (negative factors)

- Concern about friction
- Delays in both establishing countermeasures to COVID-19 and re-establishing economic activities
- Delivery delays caused by the global shortage of component parts and insufficient quantity of containers for maritime transportation



Source: Japan Machine Tool Builders' Association

- The annual order forecast for 2021 at the start of the year was an increase of 33 percent over the previous year to 1.2 trillion yen. In September, the forecast was revised upward to 1.45 trillion yen.
- Capital investment remains strong due to the acceleration of semiconductor-related investment, automobile electrification investments as well as the needs for further automation, greater efficiency and high value-added products.



Yasuo Tsukuni
Executive Vice President and CEO
Tokyo Big Sight Inc.

Overview of JIMTOF2022



Date

**November 8(Tue.)-
November 13(Sun.),
2022**

Venue

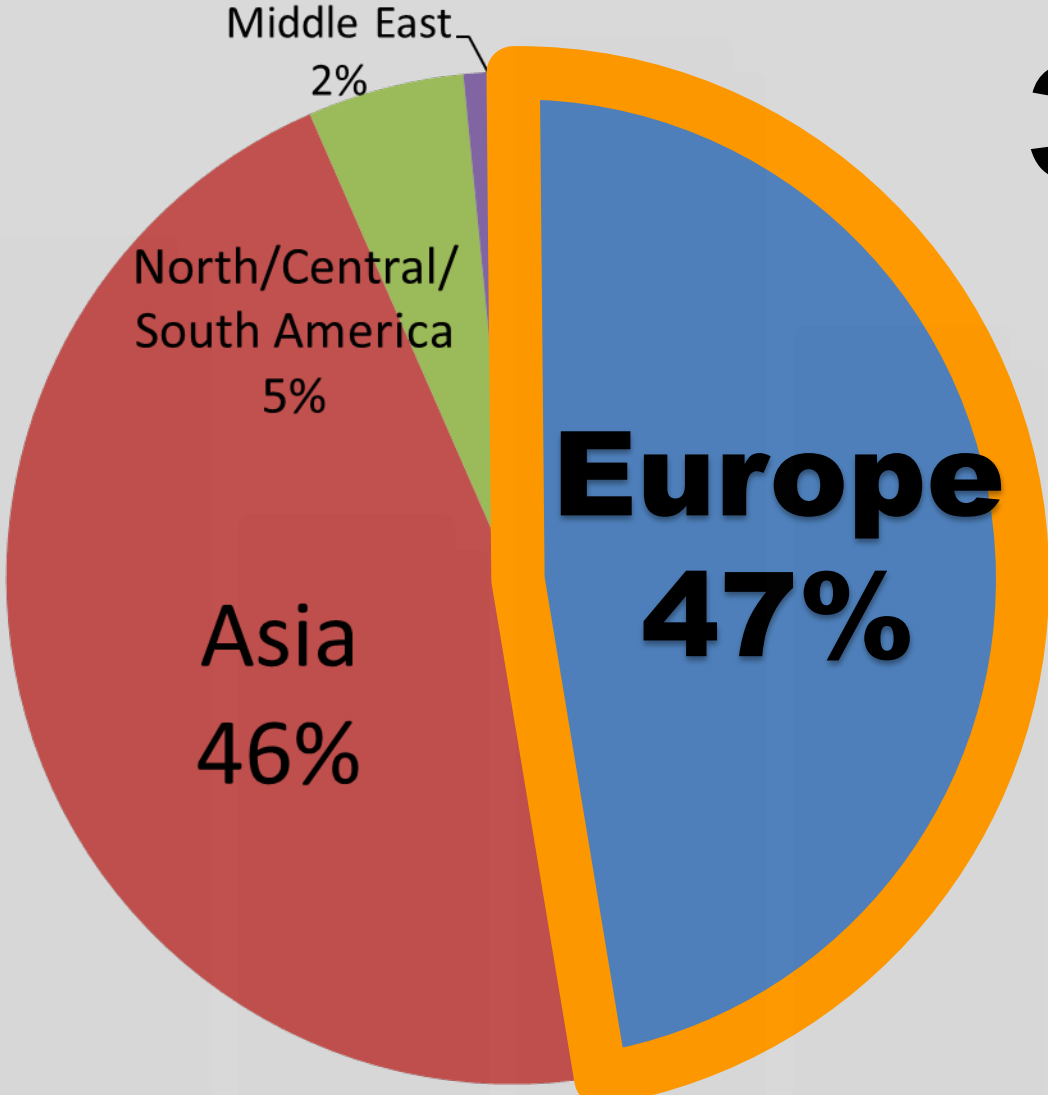
Tokyo Big Sight

(Tokyo International Exhibition Center)

**Indoor
Exhibition
Space**

118,540m²

Overseas Exhibitors



320 companies

**Exhibitors
from Europe**

151
companies

From Germany 68

Overview of JIMTOF2022



**A focus of worldwide attention,
a good chance to develop business in Asia**

**Visitors from 64 countries and regions
at JIMTOF2018**

Total 153,103

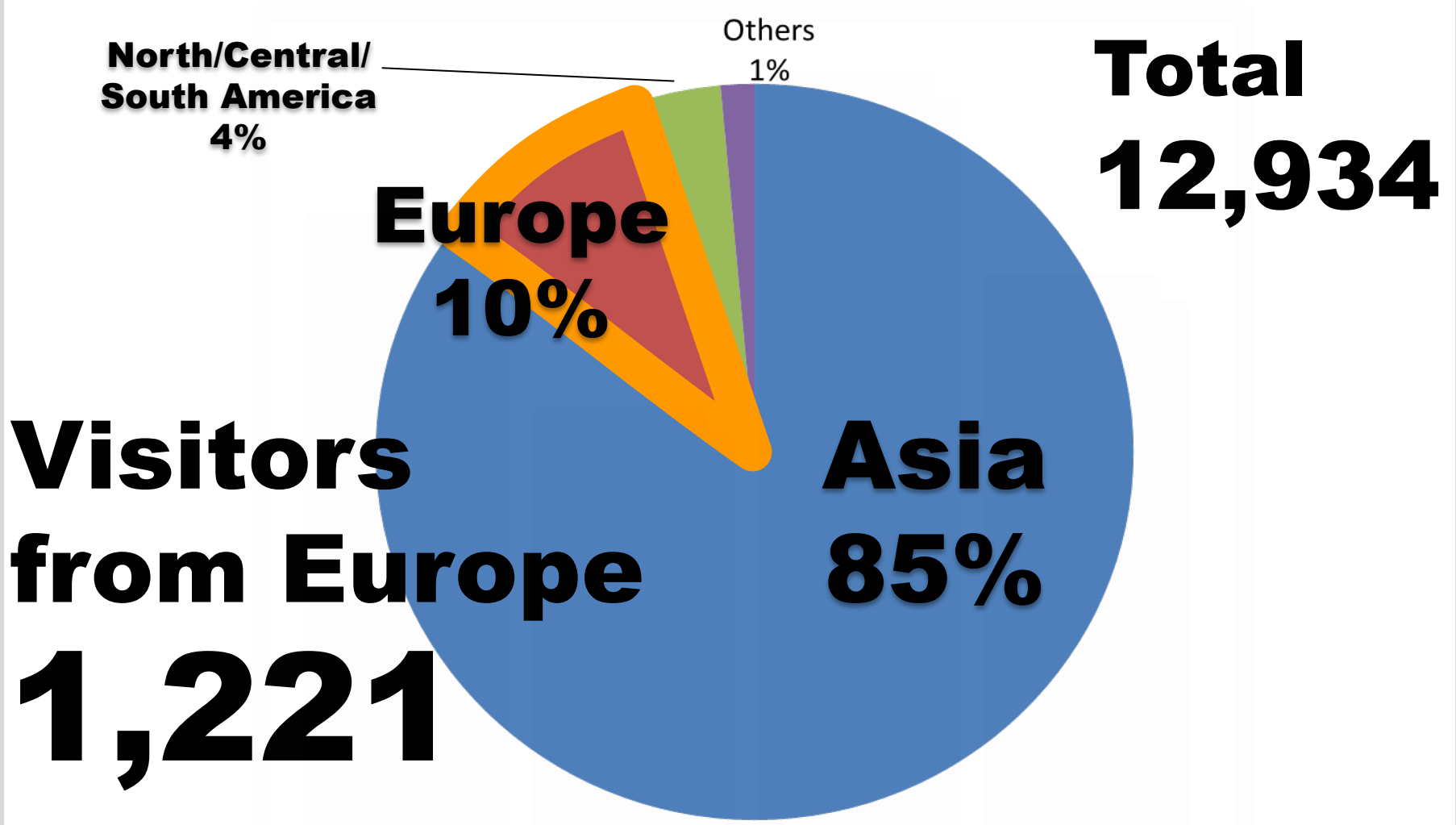
( 104%)

(* comparing JIMTOF2016)

Overview of JIMTOF2022



Breakdown of Overseas Visitors



Open the door to the future

— Meet the technologies moving the world forward

JIMTOF resembles a "door" to the future. It is a place where you can meet technology that moves the world.

The visual represents the various technologies gathering at JIMTOF and being transmitted to the world through that meetings inside the door.

The catchphrase is our wish that many wonderful encounters will be made possible at JIMTOF.



Main Features of JIMTOF2022



1

Being the first to display the latest technologies and products: Increasing the appeal of JIMTOF as an international technology trade fair

2

Expanding and utilizing digital PR tools: Increasing the expectations for a physical fair

3

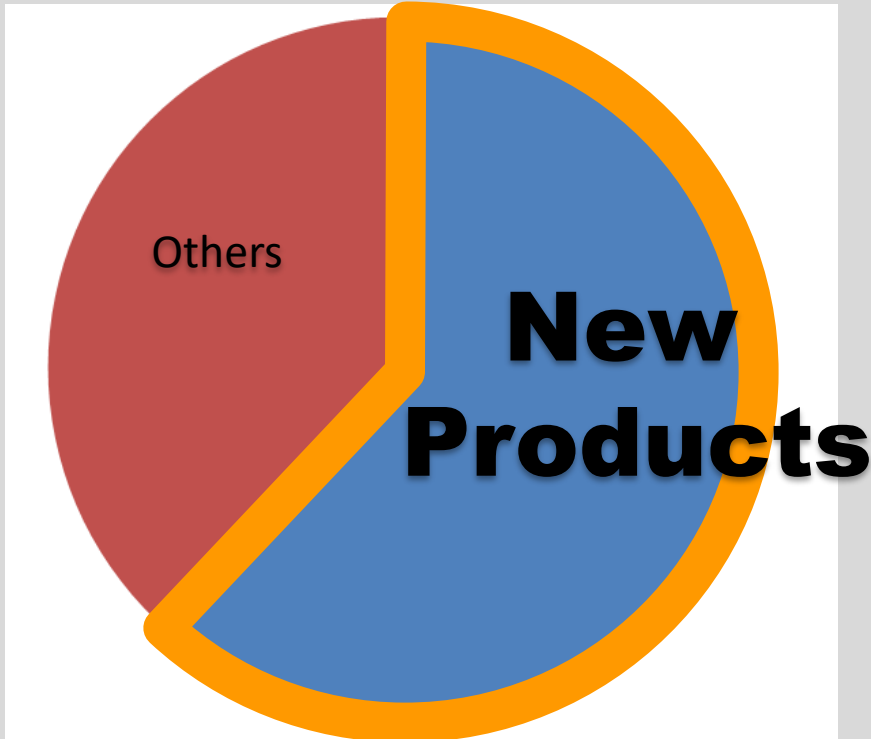
Co-sponsored projects to meet the needs of the times: Hosting a variety of captivating co-sponsored events and feature exhibits

1

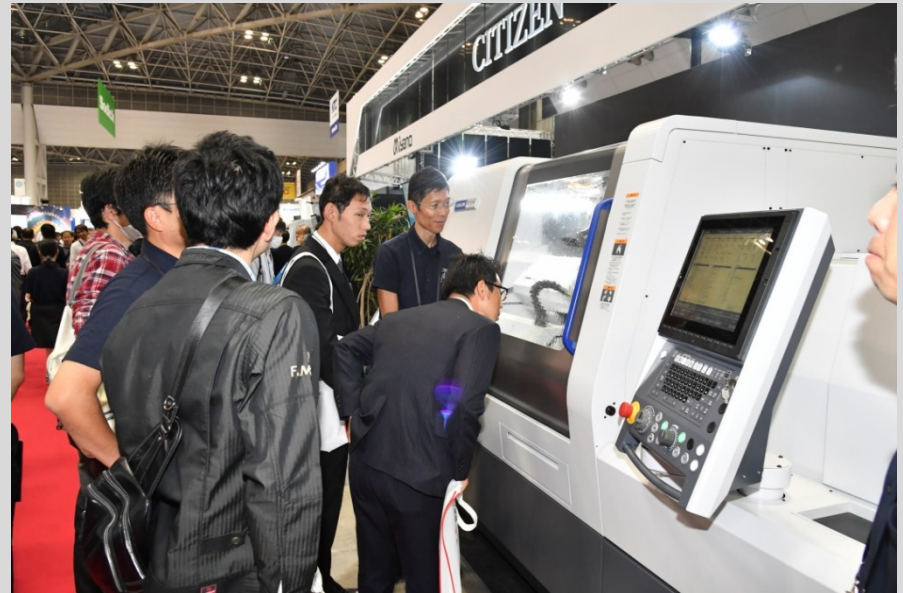
Being the first to display the latest technologies and products



The breakdown of exhibits



By JMTBA members




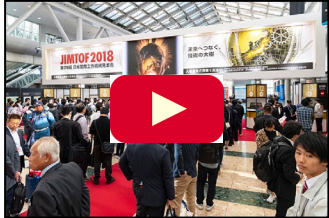
JIMTOF is among the first in the world to show cutting-edge technologies!

Expanding the online catalog services

We will expand a free, online catalog to which all can register ; promotes highlights and before, during, and after the fair.

Add a new streaming service

We are planning to add a new streaming service to our official website which will show webinars and PR videos from the exhibitors before the fair starts.

Exhibitor's Name	
Booth No. : ●●●	
Line of business	
Machine tools (Metal cutting, Metal forming).....	
Features	
Theme is "Meet the technologies moving the world forward"	
Exhibits	
We exhibit	
	
	

JIMTOF will expand use of digital PR tools to increase the expectations !

Co-sponsored projects to meet the needs of the times



Special Exhibits



Special Lecture

JIMTOF provides highly specialized information

Co-sponsored projects to meet the needs of the times



Seminar for students

1社でも多くの企業を知ることが企業研究のポイント!

JMTOFでは本展覧会開催の年毎1,010社以上の最新かつ最新企業情報を掲載するほか、企業研究のポイントを掲載しています。特別に100社以上の企業情報を掲載し、最新の企業情報を掲載しています。

申込必須企業一覧

<p>W0001 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0002 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0003 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0004 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0005 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0006 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0007 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0008 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0009 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0010 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>

<p>W0011 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0012 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0013 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0014 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0015 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0016 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0017 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0018 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0019 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0020 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0021 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0022 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0023 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0024 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0025 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0026 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0027 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0028 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0029 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0030 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0031 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0032 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0033 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0034 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0035 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0036 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0037 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0038 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>
<p>W0039 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>	<p>W0040 株式会社アール</p> <p>〒100-0001 東京都千代田区千代田1-1-1</p> <p>TEL: 03-3256-1111</p> <p>URL: www.aer.co.jp</p>

Guidebook for students

Co-sponsored projects to meet the needs of the times

Special Event 「Additive Manufacturing Area in JIMTOF2022」

【Concept】

Further promotion and development of AM products and technologies in the machine tool industry.

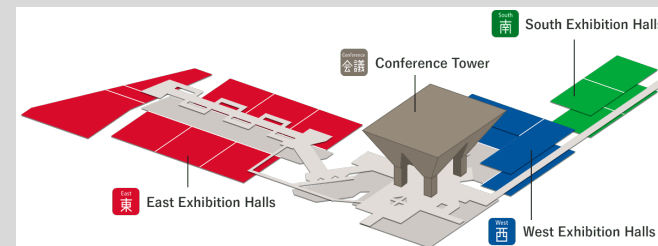
【Area composition】

Exhibit
area



Special
Seminar Venue
in the area

【Venue】South halls



- Set up a Special Seminar Venue within the area.

⇒ We provide one-stop information dissemination combined with exhibits.

【Exhibit Plan】

- ① 9m²(3m × 3m)Plan
- ② 6m²(2m × 3m)Plan

【Application Period】

Oct. 1 (Fri.), 2021 – Feb. 31
(Mon.), 2022

Exhibit Applications

Application Period

Overseas Associations

Members of Organizers, Cooperating Organizations
and Overseas Associations

**October 1 – 31,
2021**

Non-members

**November 1 - 30,
2021**

**You can apply
on the JIMTOF Official website.**

JMTBA booth at EMO2021

[Hall 4, A44]

JIMTOF Website

www.jimtof.org



**You can get more
information about JIMTOF !**

JIMTOF2022

November 8- 13, 2022

Tokyo Big Sight

(Tokyo International Exhibition Center)