



**GTJ  
2023**

# ***Grinding Technology Japan 2023***



**March 8 (Wed.) - 10 (Fri.), 2023**

**Makuhari Messe, Hall 8**

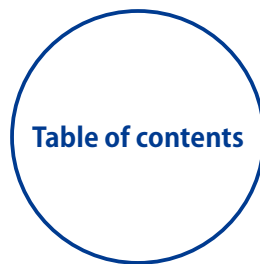
**[www.gtj-expo.jp](http://www.gtj-expo.jp)**

## **Final Report**

**Organizers:**

**JAPAN INDUSTRIAL PUBLISHING CO., LTD.**

**Sankei Shimbun Co., Ltd.**



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## Introduction

Grinding Technology Japan 2023 has ended successfully. We would like to express our sincere gratitude to all the exhibitors, visitors, and all those who cooperated with us.

This year, the third edition of the exhibition, we were able to hold the event in a more normal way as the restrictions of Covid-19 are being eased. The lively venue made for a lively business meeting. The exhibition hall was filled with a variety of grinding machines, including surface, cylindrical, internal, and tool grinders, as well as grinding wheels, measuring instruments, and peripheral equipment. Many companies from Europe, China, Korea, Southeast Asia, and other countries also exhibited their products and technologies related to grinding and tool manufacturing.

Cutting Forum 21, which participated as a special supporting organization, held machining demonstrations by its member companies in the exhibition hall, which attracted a great deal of interest from the audience. Advanced Technology Fair 2023 (ATF 2023) was held on the second day of the exhibition by The Japan Society for Abrasive Technology; special cooperating organization. In addition, a poster exhibition was held throughout the exhibition period to showcase the research of various laboratories, promoting active exchanges between universities and the private sector.

A seminar on the latest technologies related to the exhibition was also held, attracting a large number of participants. The "Grinding Concierge," which has been popular since the first exhibition, was held again this year, and grinding experts were on hand to offer technical advice.

Grinding Technology Japan (GTJ), an exhibition specializing in tool manufacturing technology and grinding process technology, will continue to maintain its characteristics and aim for steady growth in the future. We hope to see all related parties at Grinding Technology Japan (GTJ) 2025 (scheduled to be held at Makuhari Messe in the spring of 2025) in two years' time.

Daisaku Kobayashi, Representative Director, JAPAN INDUSTRIAL PUBLISHING CO., LTD.,  
Tomihito Ito, General Manager, Expo Planning Division, SANKEI SHIMBUN CO., LTD.,

## Outline

Exhibition name	Grinding Technology Japan 2023
Dates	March 8 (Wed.) - 10 (Fri.), 2023, 3 days (held biannually)
Opening hours	10:00 - 17:00
Venue	Makuhari Messe Exhibition Hall 8
Entrance Fee	2,000 yen (free of charge for invitation ticket holders and those who pre-register online)
Organizers	JAPAN INDUSTRIAL PUBLISHING CO., LTD., SANKEI SHIMBUN CO., LTD.,
Project by	JAPAN INDUSTRIAL PUBLISHING CO., LTD., "Machines and Tools" Editorial Department,
Supporting Organization	Embassy of the Federal Republic of Germany in Japan Special Partner: Sessaku Forum 21
Collaborating Organization	The Japan Society for Abrasive Technology Network Partner: Grind Tec
Concurrently Holding	The Japan Society for Abrasive Technology, Advanced Technology Fair (ATF2023)
Co-organizers	Japan Machine Tool Builders' Association, Japan Machine Tool Importers' Association, Japan Machine Tool Distributors' Association, Japan Forming Machinery Manufacturers' Association, Japan Machine Tool Builders' Association, Japan Machine Tool Importers' Association, Japan Machine Tool Distributors' Association, Japan Forming Machinery Manufacturers' Association, Japan Precision Machinery Manufacturers' Association, Japan Machine Tool Builders' Association, Japan Precision Measuring Instruments Manufacturers' Association, Grinding Wheel Manufacturers Association, Diamond Industry Association, Japan Optical Measuring Instruments Manufacturers Association, Japan Fluid Power Industry Association, Japan Testing Machinery Manufacturers Association, Japan Gear Manufacturers Association, Japan Society for Precision Engineering, Japan Fluid Power Systems Society, Turbo Machinery Association, Japan Machine Saw and Knife Industry Association, Japan Machine Saw and Knife Industry Association, Japan Knife Sharpening Association
URL	<a href="http://grind-tech.jp">http://grind-tech.jp</a>



## ■Exhibition Scale

	2023		2021	
Number of exhibitors/ booths	171 companies, organizations and laboratories	294 booths	126 companies, organizations and laboratories	272 booths
Regular exhibitors	113 companies/ organizations	273 booths	83 companies/ organizations	230 booths
The Japan society for Abrasive Technology, Research Presentation Corner	22 laboratories,	3 booths	21 laboratories,	7 booths
The Japan society for Abrasive Technology, Graduation Research Presentation	23 laboratories,	5 booths	22 laboratories,	5 booths
The Japan society for Abrasive Technology, Affiliate Member Corner	13 companies,	2 booths	—	—
Concierge	/	2 booths	/	2 booths
Demonstration corner	/	9 booths	/	28 booths

## ■Products exhibited:

Grinding machines, polishing machines, grinding wheels, truing devices, measuring equipment, peripheral equipment, tool grinders, cutting tools, cutting tool processing technology, Cutting tool utilization technology, Cutting oil, Cutting oil supply system, Cutting oil filtration system, etc.

## ■Number of visitors

Day	2023	Weather	2021
March 8 (Wed)	1,426	Fine	563
March 9 (Thu)	1,549	Fine	539
March10 (Fri)	1,810	Fine	593
<b>Total</b>	<b>4,785</b>	-	<b>1,695</b>

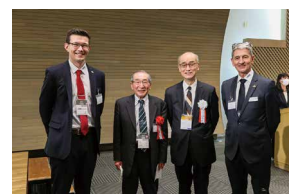
\* Number of visitor who registered at the reception desk.  
Visitors who attend the exhibition over multiple days during the event have been counted as one visitor.

## Reception Party

Date	March 8, 2023 (Wed) 17:30 - 19:00
Venue	International Conference Room, International Conference Hall, Makuhari Messe

### 【Program】

- 1.Greeting from the Organizer  
Hiroshi Oyama, Editor-in-Chief, Machine and Tool, JAPAN INDUSTRIAL PUBLISHING CO., LTD.,
- 2.Congratulatory Address by Guest of Honor  
Mr. Junichi Ikeno, Chairman, The Japan Society for Abrasive Technology
- 3.Toast  
Mr. Tsukuru Takai, Chairman, Cutting Forum 21
- 4.Closing Remarks  
Mr. Kazuki Kataoka, President-Elect of The Japan Society for Abrasive Technology  
(President and Representative Director, Asahi Diamond Industrial Co.)



# Exhibitor List

(As of Feb. 6, 2023)

Exhibitor Name / Co-exhibitor Name	Booth No.
3D Printing Corporation K.K.	077
A.L.M.T. Corp.	052
Abrasivestocks.com	032
AFC Japan Corporation	006
ANCA Machine Tools Japan K. K.	039
Areuse Co., Ltd.	075
Asahi Diamond Industrial Co., Ltd.	058
Ayabo Corporation	059
BANDO CHEMICAL INDUSTRIES, LTD.	091
BRINKMANN PUMPS JAPAN CO LTD	025
BUNRI Inc.	028
CemeCon K.K.	084
CERATIZIT Japan Corporation	086
CGTech Inc.	071
COOL TECH LTD.	018
Deburring Surface Finishing and cleaning Asociation Japan	100
Dynamic Tools Corporation	087
EHWA DIAMOND CO., LTD.	013
EISEN CO., LTD.	004
/RESMOTOOL CO., LTD.	
EUROTECHNO Inc.	054
/AGATHON AG	
/Alicona Imaging GmbH	
Fukuda Corporation	079
FUTAMURA MACHINES & TOOLS CO., LTD.	034
Giken Co., LTD.	103
GLOBAL DIAMOND CO., LTD.	063
HAMAI CO., LTD.	082
HENAN HOLD DIAMOND TECHNOLOGY CO., LTD	101
HENAN HUIFENG DIAMOND CO.,LTD	032A
IRINOKIKO Co., Ltd.	049
ISBE GmbH	020
/FDPW	
ISHIKAWA Tool Grind Co., Ltd.	083
JAPAN RIHON CO., LTD.	061
Japan Speed Shore Co., LTD	036
/Yamashita Works Co., Ltd	
JAPAN WOLFRAM CO., LTD.	024
/CB CERATIZIT Luxembourg S.A.	
JTEKT CORPORATION	094
JTEKT GRINDING TOOLS CORPORATION	094
JTEKT MACHINE SYSTEMS CORPORATION	094
K.K. Irisu (C. Illies & Co., Ltd.)	080
/Blohm Jung GmbH	
Katagiri Seisakusho Co., Ltd. ; INC	038
KATAOKA MACHINE TOOLS MG CO., LTD.	078
Keijikousan Co., Ltd.	031
KF Carbide Japan Co., Ltd.	047
Kobayashi precision grinding carbide co.ltd.	051
KOIZUMI TOOL CO., LTD.	043
Komiya & Co., Ltd.	085
Lubrication Technology Inc.	009
Luoyang Runbao Super Abrasive Co., Ltd.	097
Makino Seiki Co., Ltd.	016
MATSUZAWA SEIKO CORPORATION	026
Meister Inc.	029
Metrol Co., Ltd.	090
MISUZU CO., LTD.	056
MITSUBI SEIKI KOGYO CO., LTD.	094
Monodukuri Review Co., Ltd.	053
NAGASE INTEGRERX Co., Ltd.	064
NANIWA TOISHI CO., LTD.	067
NIPPON DIAMOND CO., LTD.	066
Nippon SCHNEEBERGER K.K.	015
NISSEI INDUSTRY CORPORATION	065
Nitolex Corporation	042
NK WORKS CO., LTD.	046
NOAH CORPORATION	088
NUM AG	021
Okamoto Machine Tool Works LTD	095
OKASUGI	074
OKAZAKI SEIKO CO., LTD.	062
PRIORITY CO., LTD.	060
READ CO., LTD.	022
RYOCO SEIKI CO., LTD.	030
SANWA CREATION Co., Ltd.	068
SEIKO DRILL CO., LTD.	057

Exhibitor Name / Co-exhibitor Name	Booth No.
Seiko Instruments Inc.	073
Sessaku Forum21	048
SHANDONG TAI GUANGYI GRINDING WHEELS CO., LTD	035
/JAPAN TAIYU IMPORT AND EXPORT CO., LTD	
Shenzhen Sawa Abrasives co.ltd	102
SHIGIYA MACHINERY WORKS LTD.	014
Sichuan Jiuna New Materials Co., Ltd	098
SL CARBORUNDUM (THAILAND) CO., LTD.	092
Sohryu Sangyo CO., LTD.	007
SUGINO MACHINE LIMITED	010
Sumitomo Heavy Industries Finetech, Ltd.	041
Summit Super Abrasive Co., Ltd.	002
Sun Ken Industrial Technique Co.,Ltd.	008
SUN MAINTENANCE KOKI CO., LTD.	072
/YUASA TRADING CO., LTD.	
Taishi Giken Co., Ltd.	003
TAIYO KOKI CO., LTD.	045
TEIKEN CORPORATION	081
The Nikkan Kogyo Shimbun	040
Three-F Giken Co. Ltd	017
TOKO CO., LTD.	012
TOKYO DIAMOND TOOLS MFG CO., LTD.	023
TOYO KENMAZAI KOGYO LTD.	044
Transor Filter Japan Co., Ltd.	055
TRIO ENGINEERING CO., LTD.	037
TSUBAKIMOTO MAYFRAN	069
Tsukumo Engineering Inc.	001
Unipulse Corporation	005
User Tsushin Co., Ltd.	050
UTSUNOMIYA SEISAKUSHO CO., LTD	070
UVEC INC.	089
Vollmer Japan Corp.	011
WINTech AUTOMATION CO, LTD.	093
WORKS CO., Ltd	104
XUCHANG GREAT ABRASIVE CO., LTD.	033
ZHENGZHOU ZZDM SUPERABRASIVES CO., LTD	106
ZOLLER Japan KK	027

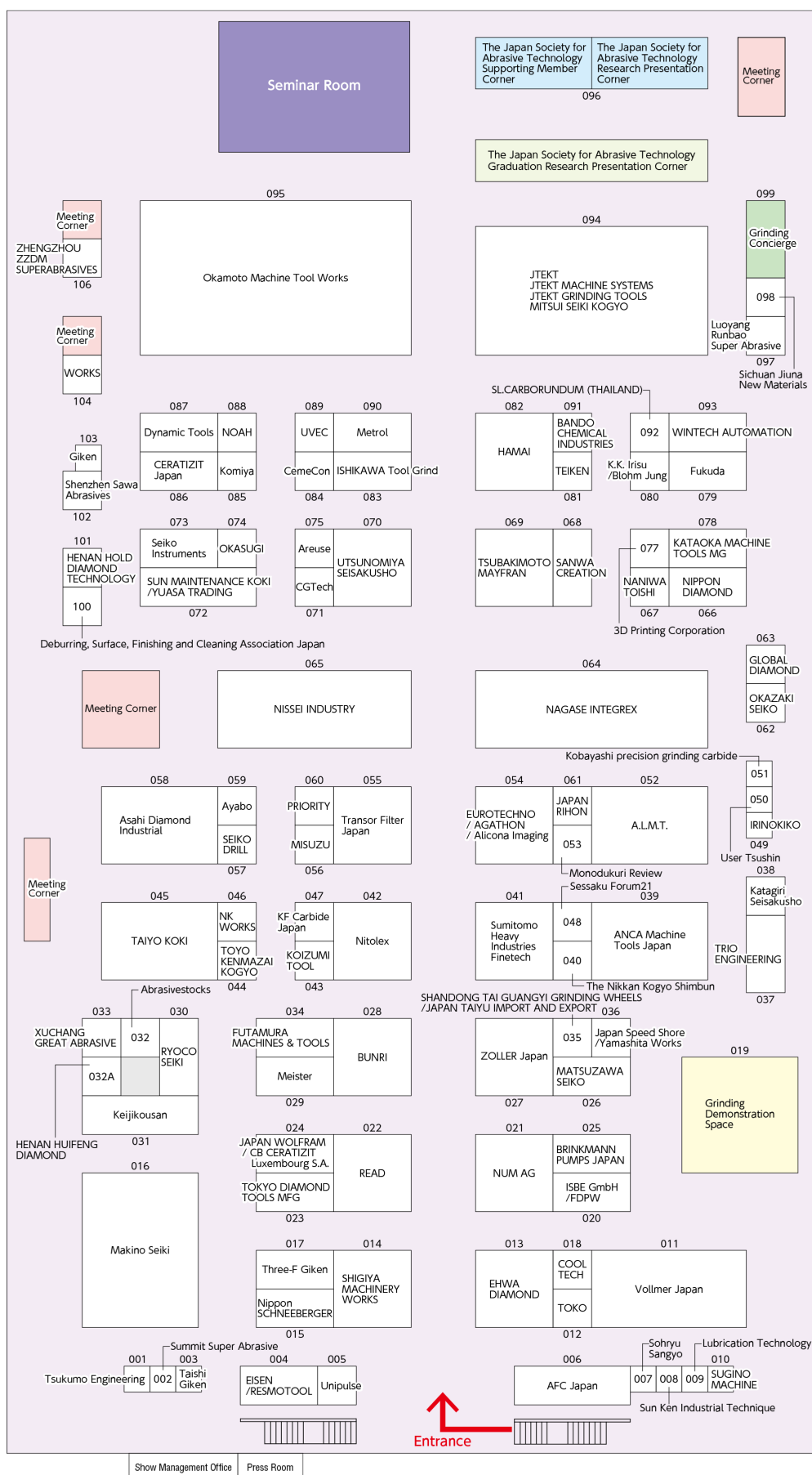
## The Japan Society for Abrasive Technology Supporting Member Corner

CRYSTAL OPTICS	096
JTEKT GRINDING TOOLS CORPORATION	
MAKINO SEIKI CO.,LTD.	
MICRON MACHINERY CO.,LTD.	
Mitaka Kohki Co., Ltd	
Mitsui High-tec, Inc.	
NAGASE INTEGRERX Co., Ltd.	
Nippon Tokushu Kento Co.,Ltd.	
Nippon Tungsten Co., Ltd.	
Okamoto Machine Tool Works, Ltd.	
SINTOKOGIO, LTD.	
TDC Corporation	

## The Japan Society for Abrasive Technology Research Presentation Corner

Chiba Institute of Technology	096
Chiba University	
Chubu University	
Department of Mechanical Engineering, College of Engineering, Chubu University	
Ibaraki University	
Iwate University	
Kanagawa University	
Kyoto Institute of Technology	
Nagaoka University of Technology	
National Defense Academy	
National Institute of Technology (KOSEN), Sasebo College	
Nihon University	
Nippon Institute of Technology	
Okayama University	
Saitama University	
School of Engineering, Tohoku University	
Tokyo City University	
Tokyo Denki University	

# Floor Plan





## Seminars

### Keynote Speech

March 8<sup>th</sup>

10:30~12:30

#### Panel Discussion "European and Japanese Grinding Machines: Looking at Technologies of Both Regions"

coordinator: Dr.Eng. Shinji Shimizu / Director, Museum of Industrial Technology NIPPON INSTITUTE OF TECHNOLOGY

p a n e l i s t: Mr. Makoto Nonoyama / Assistant General Manager, Advanced Development Dept., JTECT CORPORATION

Mr. Shinji Deguchi / Area Sales Manager, Studer TEC K.K.

Mr. Yutaka Yoshida / General Manager, Products Development Division, Research & Development Department, Technical Research & Development Head, OKAMOTO MACHINE TOOL WORKS, LTD.

Mr. Beat Schweizer / Area Sales Manager, MAGERLE

Both Japan and Europe produce excellent grinding machines. What are the functions of Japanese and European grinders, and what are their characteristics? In this session hosted by Mr. Shinji Shimizu, who is also familiar with the state of European grinders, the characteristics of both Japanese and European grinding machines were clarified.



March 10<sup>th</sup>

10:30~11:30

#### Abrasive processing that travels through time and space

Dr. Junichi Ikeno / Chairman, The Japan Society of Abrasive Technology

Every day, we conduct research and development aiming for cutting-edge technologies. This is a very respectable activity for an engineer, but sometimes Dr. Ikeno wonder if he is forgetting that abrasive processing is the oldest technology known to mankind and that we should learn from the wisdom of our predecessors and nature. Here Dr. Ikeno focused on the study of natural whetstones from the viewpoint of the history of technology. In addition, he presented transfer engineering case studies related to abrasive processing.



### Special Lecture

March 10<sup>th</sup>

11:30~12:15

#### Digitalization Strategy of German Grinding Tool Manufacturers

Dr. Claus Itterheim

Delegierter der Fördermitglieder

FDPW

President

ISBE GmbH

Explained how cutting tool manufacturers can save time and reduce costs by digitizing their business and streamlining internal procedures.



## Seminars

March 8<sup>th</sup>

13:00~13:45

### Latest trends in precision micro cutting tools and cutting technologies

Dr. Toshutaka Matsuoka

PRESIDENT

MATSUOKA Engineering Consultants Office Ltd.



14:15~15:00

### Unmanned grinding process with on-machine measuring system

Mr. Toshifumi Honda

Senior Manager

Machine Tool Div.

Engineering Development Dept.

Mitsui High-tec, Inc.



15:30~16:15

### Lapping of large diameter SiC wafers with the lapping stone plate.

Mr. Atsunori Nozoe

Product Development Dept.

Technical Laboratory

MIZUHO Co., Ltd.



March 10<sup>th</sup>

13:00~13:45

### Future automobile parts and abrasive processing technologies

Professor Emeritus Minoru Ota

Kyoto Institute of Technology



14:15~15:00

### Functional hybridization of metal materials by AM powder molding technology

Mr. Toru Kosemura

Senior Manager

Advanced Material and Processing Laboratory

Research Division

Nissan Motor Co., Ltd.



15:30~16:15

### Introduction of case studies of gear grinding process technology for the future

Mr. Yu Kubodera

Production Engineering Unit

Honda Motor Co., Ltd.





## Concurrently Holding

### **The Japan Society for Abrasive Technology, Advanced Technology Fair (ATF2023) The Japan Society for Abrasive Technology Exhibition Corner**

The Japan Society for Abrasive Technology was founded in 1957 by the Abrasive Grain Processing Society of Japan and the Kansai Abrasive Grain Processing Society of Japan, and became a corporation in 1995. And in 2009, we were recognized as a public interest incorporated association. During this period, we have consistently developed as a society that comprehensively covers practical manufacturing technologies such as abrasive grain processing technology, tool technology, machining machinery, and measurement technology, and as a society that is "useful" and "fun" to participate in.

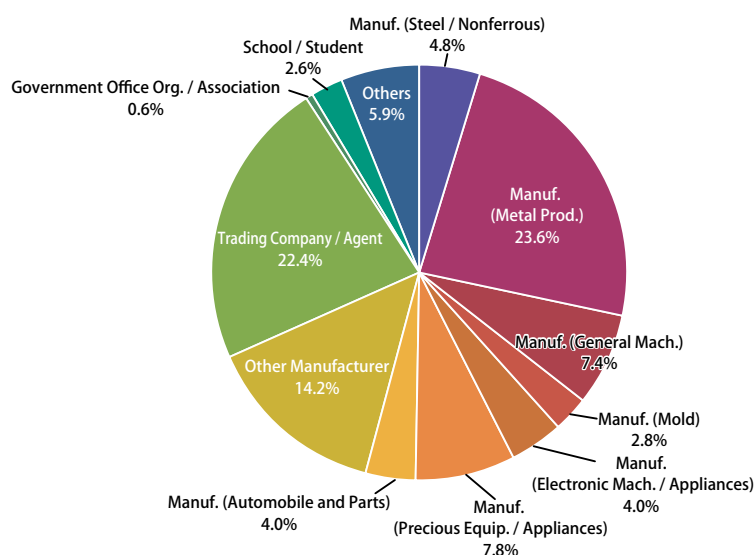
This year's event featured exhibits from laboratories in a wide range of fields, including the latest grinding technology, grinding tool measurement and evaluation technology, laser processing technology, ultra-precision and micro-machining technology, and environmentally conscious processing technology.



## Visitors Survey

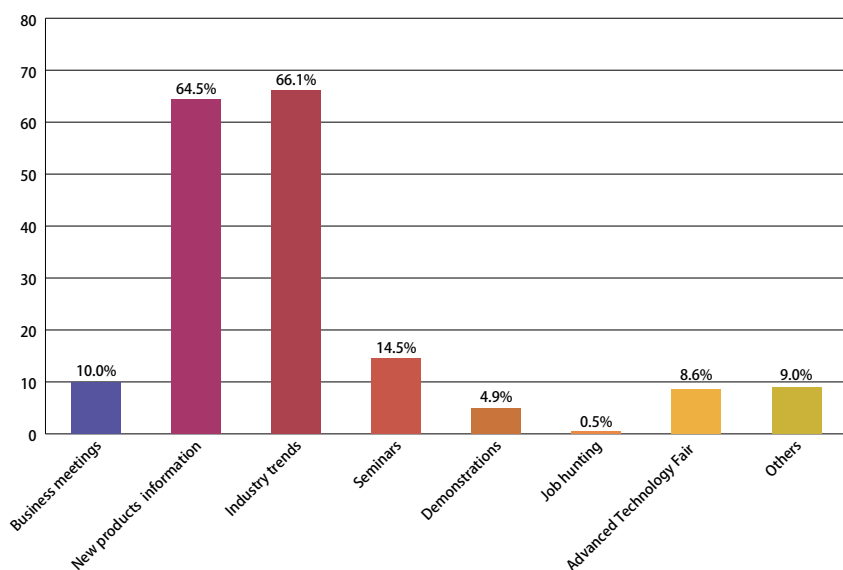
### 【Industry Category】

Industry Category	Answers
Manufacturer (Steel / Nonferrous)	4.8%
Manufacturer (Metal Products)	23.6%
Manufacturer (General Machines)	7.4%
Manufacturer (Mold)	2.8%
Manufacturer (Electronic Machines / Appliances)	4.0%
Manufacturer (Precious Equipement / Appliances)	7.8%
Manufacturer (Automobile and Parts)	4.0%
Other Manufacturer	14.2%
Trading Company / Agent	22.4%
Government Office Organization / Association	0.6%
School / Student	2.6%
Others	5.9%



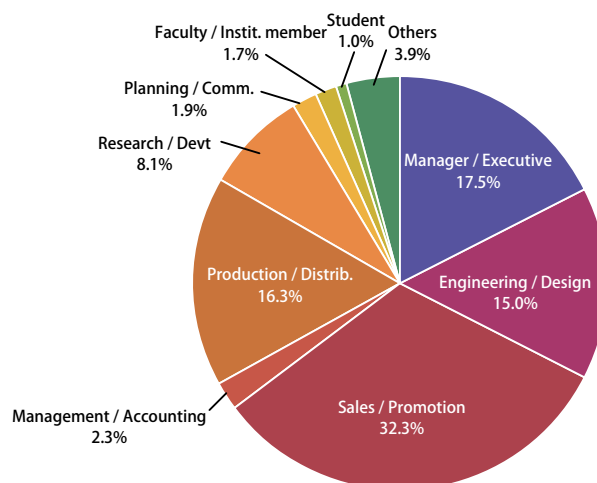
### 【Purpose of visiting】

Purpose of visiting (Multiple Answers)	Answers
To purchase new products (business meetings)	10.0%
To obtain new products information	64.5%
To know industry trends	66.1%
To participate in lectures and seminars	14.5%
To see grinding demonstrations	4.9%
To obtain information for job hunting	0.5%
Advanced Technology Fair	8.6%
Others	9.0%



### 【Job function】

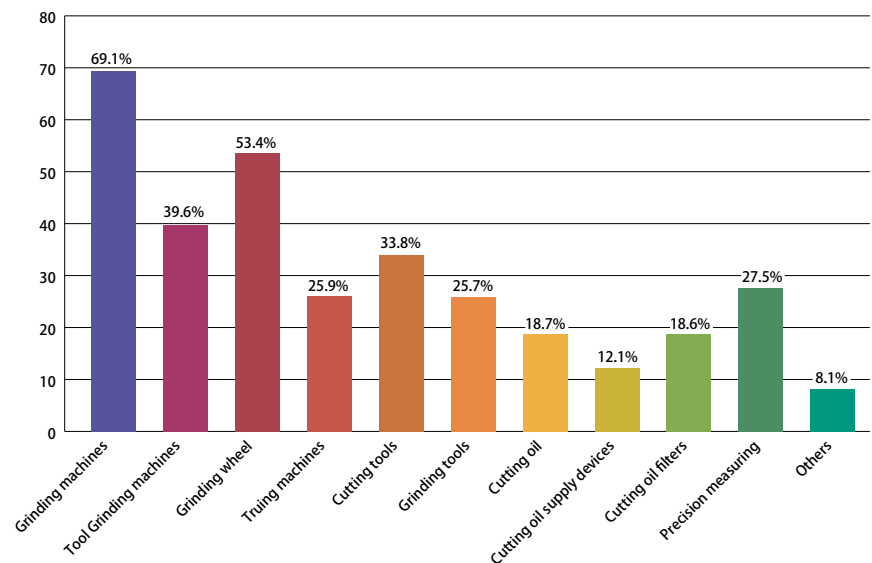
Job function	Answers
Manager / Executive	17.5%
Engineering / Design	15.0%
Sales / Promotion	32.3%
Management / Accounting	2.3%
Production / Distribution	16.3%
Research / Development	8.1%
Planning / Communications	1.9%
Faculty / Institution member	1.7%
Student	1.0%
Others	3.9%



## Visitors Survey

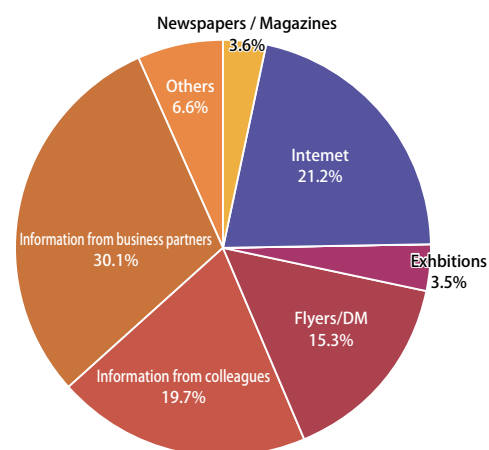
### 【Exhibits of specific interest】

Exhibits of specific interest (Multiple Answers)	Answers
Grinding machines	69.1%
Tool Grinding machines	39.6%
Grinding wheel	53.4%
Truing machines	25.9%
Cutting tools	33.8%
Grinding tools	25.7%
Cutting oil	18.7%
Cutting oil supply devices	12.1%
Cutting oil filters	18.6%
Precision measuring	27.5%
Others	8.1%



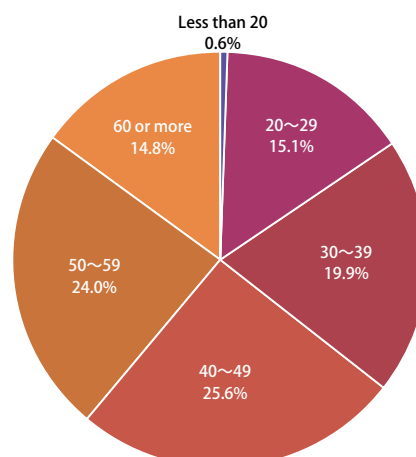
### 【Information source】

Information source about this exhibition	Answers
Newspapers / Magazines	3.6%
Internet	21.2%
Exhibitions	3.5%
Flyers / DM	15.3%
Information from colleagues	19.7%
Information from business partners	30.1%
Others	6.6%



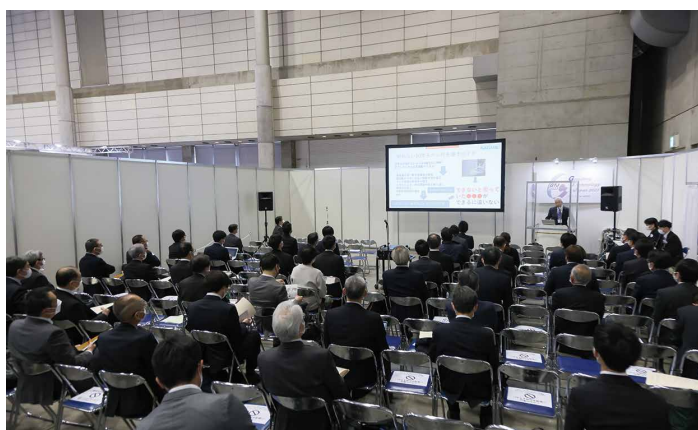
### 【Age】

Age	Answers
Less than 20	0.6%
20-29	15.1%
30-39	19.9%
40-49	25.6%
50-59	24.0%
60 or more	14.8%



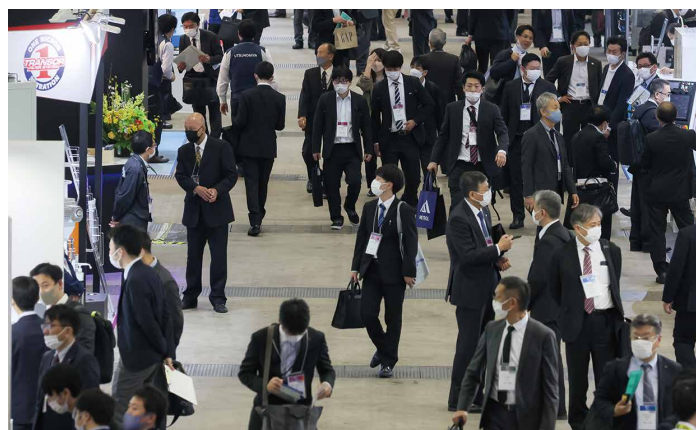
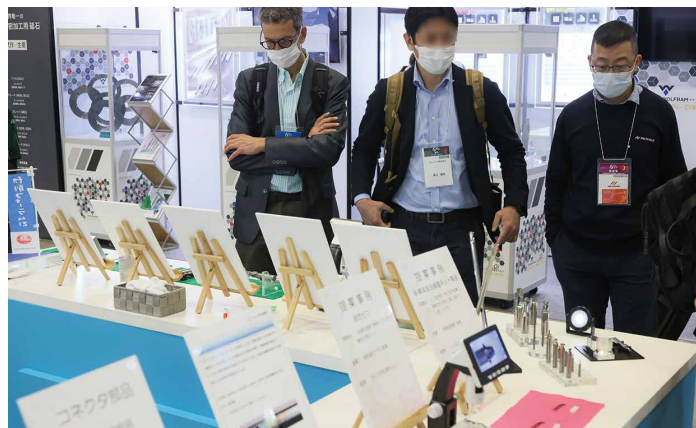
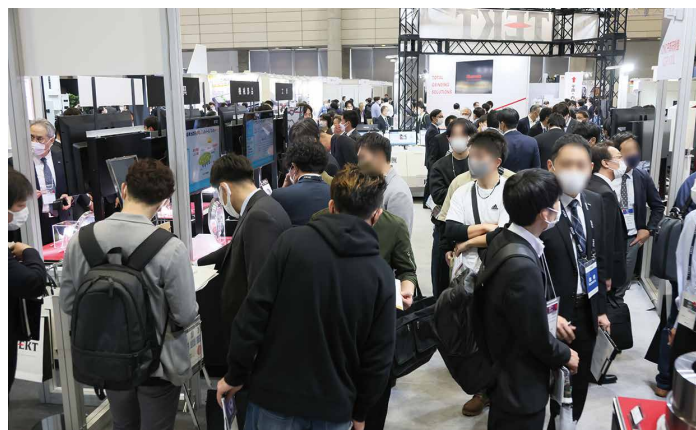
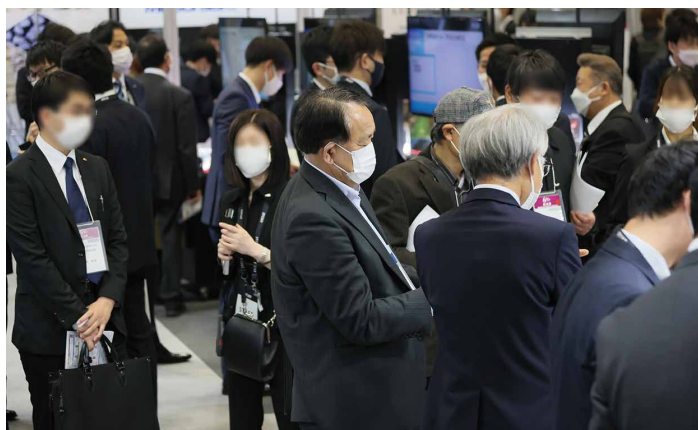


## Photos of the Exhibition





## Photos of the Exhibition



Next Edition

**Your technical solutions for grinding  
in one specialized exhibition**



**March 5 - 7, 2025**

**Makuhari Messe**

**[www.gtj-expo.jp](http://www.gtj-expo.jp)**



