

CYBER WORLD

Feature

Real exhibitions came back around the world

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2022
No. 66 [®]



Even after the restart of real exhibitions, momentum is still strong and manufacturing solutions for diversifying challenges are being transmitted.

Large-scale exhibitions that were forced to be canceled due to the influence of COVID-19 are gradually resuming all over the world. Robot Technology Japan 2022, which was held in Japan for the first time, was extremely successful, with a total of more than 40,000 visitors during the period. In holding the exhibition, measures against COVID-19 were thoroughly implemented in Japan in accordance with the government's policy. Although there have been some changes, such as setting a limit on the number of visitors and requiring pre-registration to attend, the event was as vibrant as ever. In China, Shenzhen international industrial manufacturing technology and equipment exhibition (ITES) 2022 was held in Shenzhen. We also held a private show at our Liaoning plant. At the same time, online factory tours and seminars for automation proposals were held with hits of more than 50000 visits. MTA VIETNAM 2022 was held in

Vietnam, Taipei international machine tool show (TIMTOS) and Taiwan international machine tool show (TMTS) jointly held in Taiwan, and international machinery and equipment exhibition (FEIMEC) 2022 was held in Brazil. In addition, the largest machine tool exhibition in the United States, IMTS was held, and international exhibition for metal working (AMB) was held in Germany. The large-scale exhibition is also livelier than ever before. Due to recent situation changes, there is a need to solve diversifying challenges such as labor shortages and decarbonization. In order to fully support our customers who face challenges in the future after the end of COVID-19, Mazak is providing manufacturing solutions for labor-saving at manufacturing sites and energy-saving in the entire factory.



- 01. Robot Technology Japan 2022 (Japan)
- 02. TIMTOS x TMTS (Taiwan)
- 03. MTA VIETNAM 2022 (Vietnam)
- 04. FEIMEC 2022 (Brazil)
- 05. ITES 2022 (China)
- 06. AMB 2022 (Germany)
- 07. IMTS 2022 (U.S.A.)



IMTS Sep.12»17

Chicago
U.S.A.

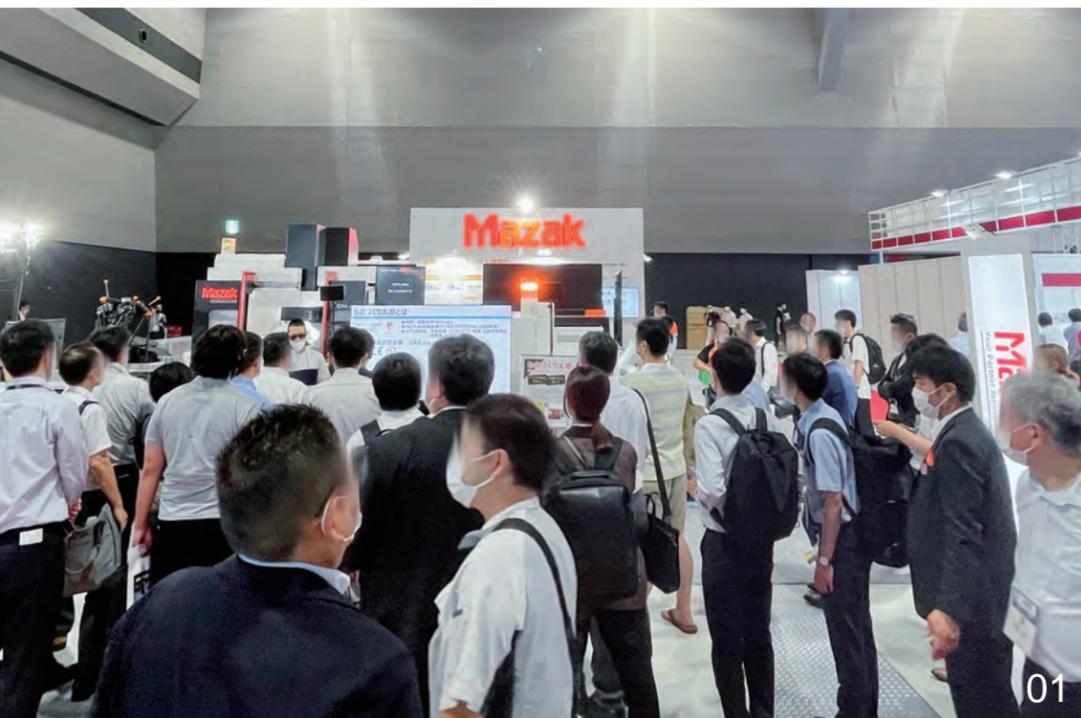
International Manufacturing Technology Show

North America's largest machine tool trade show

IMTS 2022, the largest international machine tool trade show in North America, was held in Chicago. A total of 86,000 people visited this year's IMTS, which was held for the first time in four years. The venue was full of energy that cannot be experienced in an online exhibition. Mazak exhibited 18 machines. Ten were original models developed at the Kentucky plant in the United States. We have been manufacturing locally in the US for over 40 years to respond quickly to customer needs. In particular, the new locally made Swiss-style CNC turning center SYNCREX series, which was announced at IMTS, attracted many visitors. During the exhibition, we invited 600 customers to the Mazak Customer Application Dinner. It is an important event to express gratitude to customers, and this time it was held at the historical "Field Museum" built in the 1920s. Guests were greeted by a breathtakingly large dinosaur skeleton. The event was held for the first time in a long time, and the venue was filled with laughter and smiles.



01. SYNCREX series attracting attention / 02. Proposal of automation by a collaborative robot / 03. Mazak booth bustling with visitors / 04. Mazak customer appreciation dinner venue / 05. Greetings from Takashi Yamazaki, President



01. Presentation by Mr. Taro Monozukuri, a YouTuber who specializes in manufacturing / 02. Demonstration of workpiece loading and unloading by a collaborative robot Ez LOADER 20 / 03. Introducing efforts to improve productivity by collaborative robot and digital setup



Nagoya
Japan

ROBOT TECHNOLOGY JAPAN Jun.30»Jul.2

A special exhibition for industrial robots and automation systems was held for the first time this year

"Robot Technology Japan 2022", an exhibition of industrial robots and automation systems was held from June 30 to July 2 at Aichi International Exhibition Center in Tokoname City, Aichi. The exhibition, which was held for the first time in a good location adjacent to Chubu Centrair International Airport. Many visitors came from far and wide this time.

Mazak exhibited a system that combines a space-saving automated cell the Ez LOADER with a collaborative robot and a machine tool. The significant feature of the the Ez LOADER is that it is easy to introduce and relocate by a movable collaborative robot, which does not require complicated teaching.

The Ez LOADER 20, which was presented for the first time with a load capacity of 10 kg (22.04 lbs), was installed on a CNC turning center QTE-200 SG. The robot opened and closed the machine front door for workpiece loading / unloading, thus modifying the automatic door is

unnecessary, and easy to retrofit.

Ez LOADER 10, with a load capacity of 5 kg (11.02 lbs), can operate automatically during night time by connecting measuring equipment to the vertical machining center VCN-460. The proposal of this system, which prevents defects, attracted the attention of many visitors.

The exhibition also featured environmental and digital initiatives, which have been receiving increasing attention in recent years, and high-speed FSW (friction stir welding) technology for use in the production of parts for EVs (electric vehicles), for which demand is increasing worldwide. As well as the automation system, these technologies attracted a lot of interest from customers.



YouTube Live archive available
www.youtube.com



Worldwide support base for fast service

Mazak has more than 80 support locations around the world.

We have newly established and renewed 4 support locations in the US and Europe.

We provide the latest technology and support systems that meet the needs of each country.

 **2022. 05**
Providing total solutions for laser processing machines. Grand opening event held in Italy

A new European Laser technology center (European Laser HQ) was established in Milan, Italy and a grand opening event was held. In addition to being able to see many laser processing machines up close, automation solutions and the latest processing technology were shown. Mazak's total laser processing solutions can now be experienced. At the grand opening event, Italian-style hospitality shone everywhere, and live music by musicians filled the venue with beautiful melodies.



 **2022. 06**
Romania Technical Center Grand Opening

A new technical center opened in Romania. Romania is a prosperous manufacturer of automobiles, construction machinery and agricultural machinery and is expected to grow in the future based on its abundant labor force. In order for our customers to make the most of Mazak's machine tools, the Romanian Technical Center is equipped with a training room where customers can learn about machine operation. Mazak will continue to provide prompt before and after services at locations close to our customers.



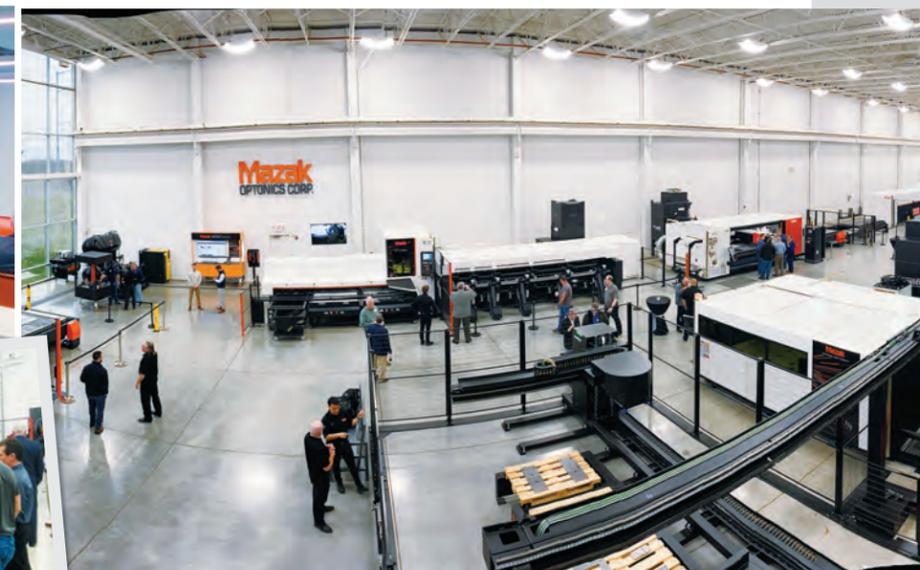
 **2022. 04**
New Denmark Technology Center established

The technology center which opened in Ringsted in 1994, has now moved to a brand new site in Middelfart. The new office building, which attracts attention with its Mazak orange color, is equipped with a 144 m² (1550 ft²) solar panel on the roof. In addition, it is installed with an air conditioning system, making it a facility with a great consideration to both people and the environment. Middelfart is adjacent to a highway connecting the three main islands. Access to the west, where approximately 75% of the country's steel industry is located, will also be improved, enabling us to better serve existing and new customers.



 **2022. 04**
North America Laser Technology Center expanded to provide an even better support system

The expansion of the North American Laser Technology Center (Mazak Optonics Corporation) in Chicago has been completed and a grand opening event was held. We have expanded the parts center and secured a stock of spare parts that is about seven times larger than before the expansion. We now have a complete support system for immediate recovery. In addition, the expanded auditorium has a capacity of 120 people, allowing us to accommodate even more customers.



The Yamazaki Mazak Museum of Art was opened in April 2010 in Aoi Higashi-ku, the heart of Nagoya in order to contribute to the creation of a rich regional community through art appreciation and, consequently, to the beauty and culture of Japan and the world.

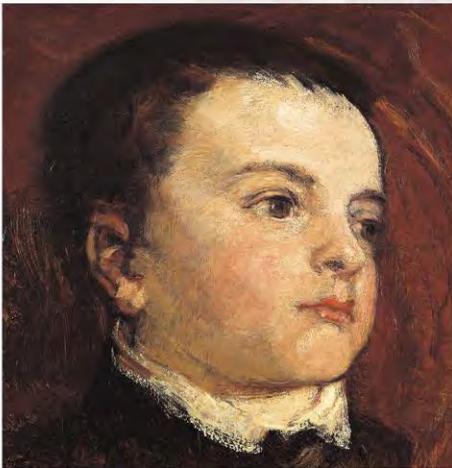
The museum possesses and exhibits paintings showing the course of 300 years of French art spanning from the 18th to the 20th centuries collected by museum founder and first museum director Teruyuki Yamazaki (1928 - 2011), as well as Art Nouveau glasswork, furniture, and more. We look forward to seeing you at the museum.



Collection Showcase 1

THE YAMAZAKI MAZAK MUSEUM OF ART

FANTIN-LATOURE, Henri Jean Théodore, "Head of a Child"



FANTIN-LATOURE, Henri Jean Théodore [1836-1904]
"Head of a Child"
1870-73
Oil on canvas

Fantin-Latour was French painter. This work is a study painted. He copied a detail of Supper at Emmaus, a large painting by the Venetian painter Veronese in the Louvre. This painting shows a scene in which two of Jesus's disciples are having dinner with the resurrected Lord without

realizing who he is. As he breaks and blesses the bread, they become aware of his identity and are amazed. Fantin-Latour copied the face of an intelligent-looking boy standing behind the disciple with black hair seated at the left of the table.



Paolo Veronese, Supper at Emmaus, Musée du Louvre, Paris

Collection Showcase 2

THE YAMAZAKI MAZAK MUSEUM OF ART

GALLÉ, Émile, "Small bowl"

The crescent moon shape on the left side of the vessel takes the form of a face with amused eyes, a smiling mouth, and a dimple in its cheek. The image of a man wearing a mask and playing the mandolin is engraved on the bottom with two small, glowing stars above his back. This motif was most likely taken from a caricature print. The diamond pattern on the man's clothes suggests that he is a clown, singing a serenade in the evening moonlight.



GALLÉ, Émile [1846-1904]
"Small bowl"
1880-84