

Press Release

October 14th, 2022

Double exhibition: DMG MORI Total Solutions at JIMTOF2022 & Tokyo GHQ Open House

DMG MORI CO., LTD. (hereafter referred to as “DMG MORI”) will participate in “JIMTOF2022” over six days from November 8 to 13. With exhibitions in East Hall 8 (E8017) and in the Additive Manufacturing Area of South Hall 1 (AM102), DMG MORI will present Process Integration by 5-axis and Mill-Turn machines, highly efficient Automation Systems, Digital Services to support customers’ operations, alongside efforts and technology for reducing carbon footprint.

At the same time, DMG MORI will hold an Open House at Tokyo Global Headquarters (hereafter referred to as “Tokyo GHQ”) to introduce customers to state-of-the-art solutions with a vast line-up of cutting-edge machines and real cutting demonstrations by DMG MORI engineers. This will also mark the first exhibition of “NTX 500” as Japan Premiere, a high-speed/high-accuracy Mill-Turn machine with maximum performance on a compact footprint designed to answer the rising need of small-size/complex-shape workpieces. The “NZ-Platform” of high-productivity/turret-type Mill-Turn machines will also celebrate its Japan Premiere.

Furthermore, DMG MORI has created a full CG digital twin replica of its JIMTOF booth in 4K resolution that will be available during the duration of JIMTOF2022. Customers who cannot visit the venue directly, are invited to experience DMG MORI’s Total Solutions digitally through the DMG MORI JIMTOF2022 website.

DMG MORI is happily awaiting your visit and will proudly guide you through the newest technology and next generation of ground-breaking products and solutions.

Visit the DMG MORI website for frequent updates and the newest information.

JIMTOF2022 : <https://www.dmgmori.co.jp/sp/jimtof/jimtof2022/en/>

Tokyo GHQ Open House : <https://www.dmgmori.co.jp/sp/jimtof/jimtof2022/en/tokyo/>

【Highlights】

① Process Integration

- Combination of 5-axis & Mill-Turn machines for high productivity, peripherals and Technology Cycles
- Japan Premiere of High-speed/High-accuracy Mill-Turn machine “NTX 500” with “IMTR” (In-Machine-Traveling-Robot) for small-size/complex-shape workpieces (at Tokyo GHQ Open House)
- Japan Premiere of high-productivity/turret-type Mill-Turn machines “NZ Platform” for large-lot/complex-shape workpieces with optimized cycle times and high productivity (at Tokyo GHQ Open House)
- 2 types of Additive Manufacturing to meet any customer demand

Powder Nozzle-Type: “LASERTEC 3000 *DED hybrid*” -Japan Premiere

(at JIMTOF East Hall 8 or Tokyo GHQ Open House)

Powder Bed-Type: “LASERTEC 12 *SLM*” (at South Hall 1)

② Automation

- 7 different solutions on display, including:
the flexible robot solution “MATRIS Light”, the collaborative/self-driving robot “WH-AMR”,
the large-capacity tool magazine “CTS” with transfer robot for tool loading/unloading
- “zeroFOG”, “AI Chip Removal”, and “Zero Sludge Coolant” to solve chip/coolant/mist-caused machining errors and machine stops
- “Tool visualizer” to automate in-machine tool wear & geometry measurement
“Non-contact on-machine measuring systems” to automate tool geometry measurement by non-contact laser scanner

③ DX (Digital Transformation)

- Supporting process-chain digitization from production planning to after service
- Digital programming supported by “Digital Twin test cuts” and “CELOS DYNAMIC*post*” with post processor, cutting simulation and optimizer functions*1.
- Connection of all machines in the DMG MORI booth to “DMG MORI GATEWAY” for information monitoring: Real-time monitoring of machine operation with the newest version (V4) of “DMG MORI Messenger”
- Demonstration of “TULIP” to digitize factory operations
- *my* DMG MORI: “Service request”, “Parts selector”, and “Chat bot”

④ GX (Green Transformation)

- Higher productivity through Process Integration, Automation, DX, Peripherals to reduce carbon footprints
 - In 2021, DMG MORI achieved carbon neutrality from parts procurement to product shipment (scopes 1,2 and scope 3 upstream) and installed “GREENMachine” labels on all its machines. Target for 2030 is to include the full supply chain (scopes 1 – 3).
 - Greenhouse gas reduction targets have been set, SBT approval achieved in November 2021
 - Promoting renewable energy, carbon-free electricity used at all domestic locations
- In May 2022, DMG MORI started Biomass thermoelectric power generation at Iga Campus, the Group's largest production site. In 2024, the largest self-use solar power generation system will be installed at Iga Campus. ^{*2}

^{*1} Only available in the optimizer edition

^{*2} According to data for self-use solar power generation researched by DMG MORI (as of September 9, 2022)

【Tokyo Global Headquarters Open House】

Date : November 8 – 13, 10:00 – 18:00

Place : DMG MORI CO., LTD. Tokyo Global Headquarters

2-3-23 Shiomi Koto-ku, Tokyo, 135-0052 Japan

Approx. 2 minutes by foot from JR Keiyo Line “Shiomi Station” West gate

Contents: Machine exhibition including Japan Premiere of Mill-Turn machine “NTX500”, turret-type Mill-Turn machines of “NZ Platform” and AM machine “LASERTEC 3000 *DED hybrid*”, cutting demonstrations, opening of “AM Lab & Fab” for AM contract manufacturing, introduction to Process Design Advisor for 5-axis & Mill-Turn machines, and more.

Catering: Available free-of-charge for all visitors

10:00~15:00 Lunch & Coffee

15:00~18:00 Happy hour & Dinner

※Upon arrival, you are asked to present 2 business cards at the reception. Competitors and general visitors are not permitted.

◆During JIMTOF, DMG MORI offers a free-of-charge shuttle bus service for visitors to use.

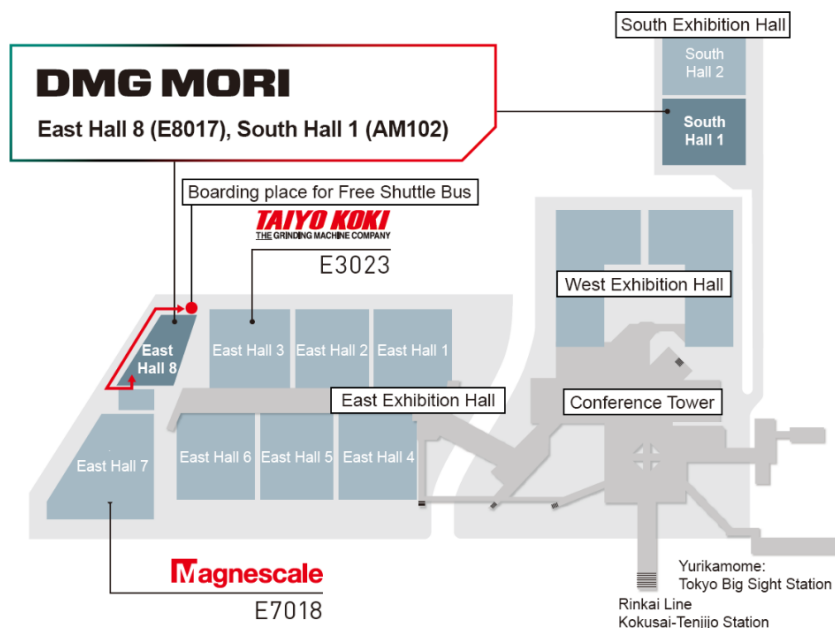
Refer to the website for information on shuttle bus times, departure/arrival locations, etc.

No registration is required beforehand.

- Tokyo Station → Tokyo Big Sight East Hall 8
- Tokyo Station ⇄ Tokyo Global Headquarters
- Tokyo Big Sight East Hall 8 ⇄ Tokyo Global Headquarters

【Access to JIMTOF2022】

- Tokyo Big Sight: 3-11-1 Ariake, Koto-ku, Tokyo, 135-0063 Japan
Rinkai Line: Approx. 7 minutes by foot from Kokusai-Tenjijo Station
Yurikamome Line: Approx. 3 minutes by foot from Tokyo Big Sight Station



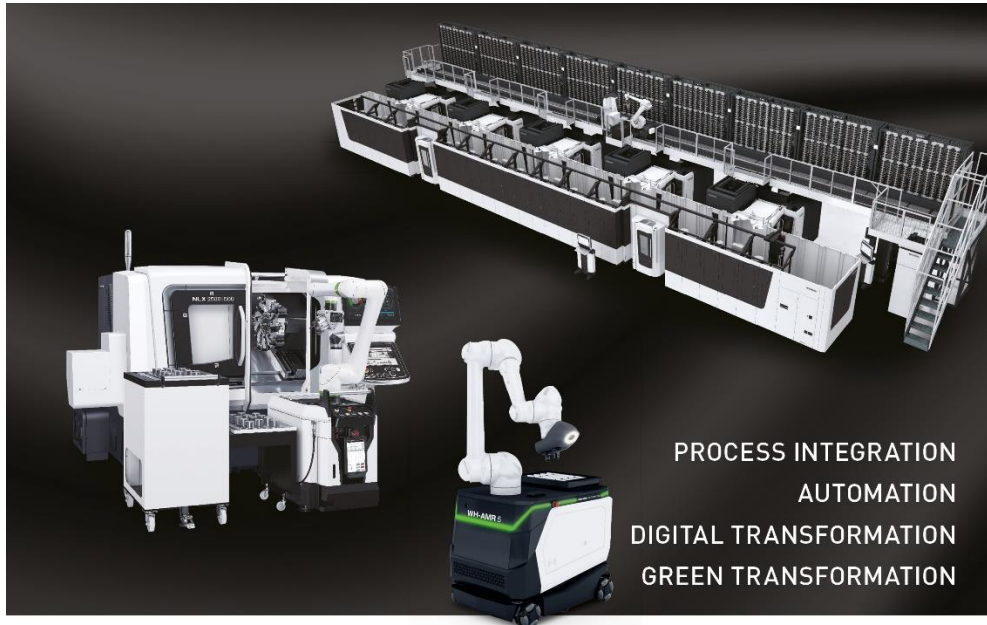
※Red spot: Location for departure/arrival of the DMG MORI shuttle bus (free of charge)

【Events during JIMTOF2022】

Date & Time	Place	Contents
November 8 – 13 9:00 – 17:00 ※Last day only until 16:00	Tokyo Big Sight East Hall 7 JMTBA Booth	<u>JMTBA Special exhibit</u> Organizer: Japan Machine Tool Builders' Association Topic: Present and Future of Cutting-Edge Manufacturing: Machine Tools and Smart Factories 4 machine tool manufacturers (incl. DMG MORI) imagine joint challenges and “the future of manufacturing” with cutting-edge technology used in smart factories ◇ Talk session Date & time: November 10, start at 14:00 Speaker: Naruhiro IRINO, DMG MORI Operating Officer *Recording will be shared on the following day

November 8, Tuesday 16:00 – 17:00	Tokyo Big Sight East Hall 8 DMG MORI Booth	<u>The 17th Cutting Dream Contest</u> •Award ceremony at DMG MORI booth •All entries on display during JIMTOF
November 9, Wednesday 13:30 – 16:30	Tokyo Big Sight South Hall 2 Organizers Seminar Venue	<u>JMTBA AM Seminar / Panel discussion</u> Organizer: Japan Machine Tool Builders' Association Speaker: Yoko HIRONO, DMG MORI AM Dpt. General Manager Speech: AM/SM – How hybrid machines advance machining technology * Advance registration required, free of charge. DMG MORI will give one of the presentations and participate in the panel discussion from 13:30-16:00.
November 9, Wednesday 16:15 – 16:40	Tokyo Big Sight Conference Tower 1 st floor Room 102	<u>Software Workshop for machine tools</u> Organizer: Japan Machine Tool Builders' Association Speaker: Shigenobu ARAYA, T Project CO., LTD. President Title: Innovation of production sites through “TULIP” * Advance registration required, free of charge. DMG MORI will give one of the presentations from 16:15-16:40.
November 12, Saturday 10:30 – 13:00	Tokyo Big Sight South Hall 2 Organizers Seminar Venue	<u>JSAM Seminar / Talk session</u> Organizer: Japanese Society of Additive Manufacturing (JSAM) Topic: Difference between cutting and Additive Manufacturing ~Material maker, machine maker, service bureau compared~ Speaker: Yoko HIRONO, DMG MORI AM Dpt. General Manager * Advance registration required, free of charge. DMG MORI will give one of the presentations and participate in the panel discussion from 10:30-13:00.

※Contents and schedules may change.



DMG MORI Total Solutions
for Process Integration / Automation / DX & GX



Automation & Process Integration by
combining Turning Center & Robot "MATRIS Light"



Japan Premiere “NTX 500” with “IMTR” (In-Machine-Traveling-Robot)
at Tokyo Global Headquarters Open House



Japan Premiere “LASERTEC 3000 *DED hybrid*”
at JIMTOF2022 & Tokyo Global Headquarters Open House