

**Press Release**

October 3, 2014

**32 Latest Machines on Display in the Largest Booth at JIMTOF2014**

DMG MORI SEIKI CO., LTD. (Hereinafter, DMG MORI SEIKI) will be exhibiting at JIMTOF2014 to be held for six days from October 30 (Thu) to November 4 (Tue) at Tokyo Big Sight.

At JIMTOF2014 DMG MORI SEIKI will showcase 32 advanced machines including 9 new models in the largest booth with an area of 2,340 m<sup>2</sup>, and we will present machining demonstration on most of the display models. All the display models are new design concept machines that come with ERGOline<sup>®</sup> Touch, which is equipped with CELOS that enables touch panel operation, or COMPACTline that has been newly developed for mass production machines. Visitors can witness and feel the DMG MORI SEIKI's next-generation, cutting-edge machine tools all at once during the six-day show.

Along with all the advanced machines, "BIG CELOS" with a 108-inch monitor is another feature at our booth. Visitors can actually experience the new operating system on site. We will also display the Porche 919 Hybrid (mock-up) that joins the FIA World Endurance Championship. DMG MORI SEIKI supports Porche as the exclusive premium partner. The entries of the 10th Cutting Dream Contest created out of advanced skills and innovative ideas will be put on display as well. We will have the award ceremony for the contest on October 30 at the DMG MORI booth. On November 1, Saturday, Makoto Fujishima, Senior Executive Operating Director of DMG MORI SEIKI, will give a lecture on "Machine Tool with New Cooperation Design between Germany and Japan and Human Machine Interface 'CELOS" in the Technical Workshop.

During the JIMTOF2014 period, we offer light meals and beverages for visitors throughout the day. During Happy Hour (15:30 – 17:00) we also offer alcohol beverages, so please stop by the DMG MORI booth.

We truly look forward to meeting you at JIMTOF2014.

Date and time	Oct. 30 (Tue) – Nov. 4 (Tue), 2014 9:00 – 17:00 (Happy Hour: 15:30 – 17:00)
Venue and Access	Tokyo Big Sight (Tokyo International Exhibition Center) [Rinkai Line] Approx. 7 minutes' walk from the Kokusai-Tenjijo station [Yurikamome] Approx. 3 minutes' walk from the Kokusai-Tenjijo-Seimon station
DMG MORI booth	East Hall 3, Booth No. E3024
JIMTOF2014 Official Web Site	<a href="http://www.jimtof.org/">http://www.jimtof.org/</a>

## <Event information>

The Cutting Dream Contest 2014 Awards Ceremony	Date & Time: October 30 (Thu), 2014 15:00 - 16:00 Place: DMG MORI Booth (East Hall 3, Booth No. E3024)
Technical Workshop	Date & Time: November 1 (Sat) 13:00 - 14:00 Place: Room 605, 6th floor of Conference Tower Lecture Title: "Machine Tool with New Cooperation Design between Germany and Japan and Human Machine Interface 'CELOS'" Lecturer: Makoto Fujishima, Dr. Eng. Senior Executive Operating Director, DMG MORI SEIKI

## Highlights of Display Models

### <NTX 1000>

The second-generation NTX 1000 will be put on display with the new design cover and CELOS.

The footprint is the smallest in its class of 10.4 m<sup>2</sup>. The space-saving design and the widest machining area in its class drastically improve productivity per unit area. The cooling oil circulation structure (patent pending), in which cooling oil circulates inside the main mechanism, minimizes heat generation and has strong resistance to environmental temperature variation, ensuring stable, high-precision machining for long hours. This is the second-generation machine that is compatible with automation systems and equipped with the newly developed energy-saving function. At JIMTOF2014, we will showcase the model equipped with an in-machine traveling robot, with automation and process integration as theme.

### <NHX 4000 / NHX 5000>

The second generation NHX 4000 and NHX 5000, the Japan Premiere models, will be unveiled for the first time in Japan at JIMTOF2014. The second generation NHX 4000 and NHX 5000 have enhanced their basic structure by employing a thick robust bed for higher rigidity. Each of the models is equipped with a newly developed spindle with a higher machining capability as standard. The maximum spindle speed is 15,000 min<sup>-1</sup> and the maximum torque is 250 N·m to deliver powerful, high-speed machining. The machines also come standard with high-precision scales, achieving high-speed, high-precision machining required of a horizontal machining center.

### <NRX 2000>










The NRX 2000 is a parallel dual-spindle, dual-turret lathe developed based on a new design concept "Stealth Design," and is equipped with the COMPACT*line*, a new operation panel for mass production machines. The NRX 2000 will be presented for the first time in the world at JIMTOF2014. The compact machine with a machine width of 1,650 mm is most suitable for mass production machining of flange-shaped parts for automobiles. With a good access to the transfer unit and the spindle, improved workability in tool changes and a higher chip disposal performance, the NRX 2000 reduces operators' work load and achieves high productivity.

< LASERTEC 65 3D >

The LASERTEC 65 3D will be unveiled for the first time in Japan at JIMTOF2014 as a hybrid machine that is equipped with the additive manufacturing (AM) function. Additive Manufacturing is a technology that creates objects by depositing, or adding materials such as metal powder layer by layer, and it is a new method that can take the place of forging and casting. In contrast, a method to remove materials through milling and turning is subtractive manufacturing (SM).

The LASERTEC 65 3D is a hybrid machine that incorporates two processing methods in one machine. It automatically switches between 5-axis milling and laser machining, shaping workpieces into various forms.

< Display Machines > \*CELOS-equipped models

5-axis machines	DMU 50 *	DMU 65 FD monoBLOCK® *
	DMU 105 monoBLOCK®  *	DMU 60 eVo <i>linear</i> *
	DMU 80 P duoBLOCK® *	DMF 260   11 <i>linear</i> *
	HSC 70 <i>linear</i>  *	
Integrated mill turn centers	NTX 1000   SZM *	NZX-S 2500
	NZX 2500   600Y *	NZX 4000C   3000Y  *
Vertical machining centers	NVX 5080   40 *	MAX 3000
	MILLTAP 700	
Horizontal machining centers	NHX 4000  *	NHX 5000  *
	NHX 8000 *	
CNC lathes	NLX 1500SY   500 *	NLX 2000Y   500 *
	NLX 2500   500 *	NLX 2500SY   700 *
	NLX 3000Y   1250 *	NRX 2000 
CNC Automatic Lathes	SPRINT 50 3TB 	
ECOLINE	<i>ecoTurn</i> 450 (Pre-release model)	<i>ecoMill</i> 50 (Pre-release model)
3D Precision Laser	LASERTEC 65 3D  *	LASERTEC 45 Shape  *
Ultrasonic machine	ULTRASONIC 20 <i>linear</i> *	
Machine for automotive parts	i 50 (two units)	
Tool Pre-setter	UNO 20   40	

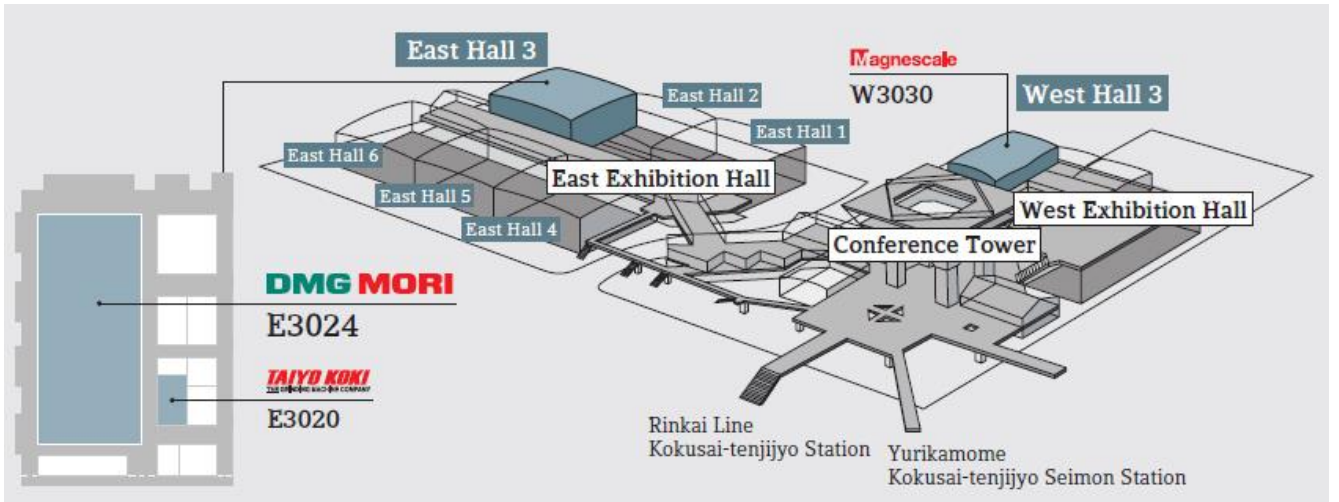


Figure 1: DMG MORI booth at East Hall 3

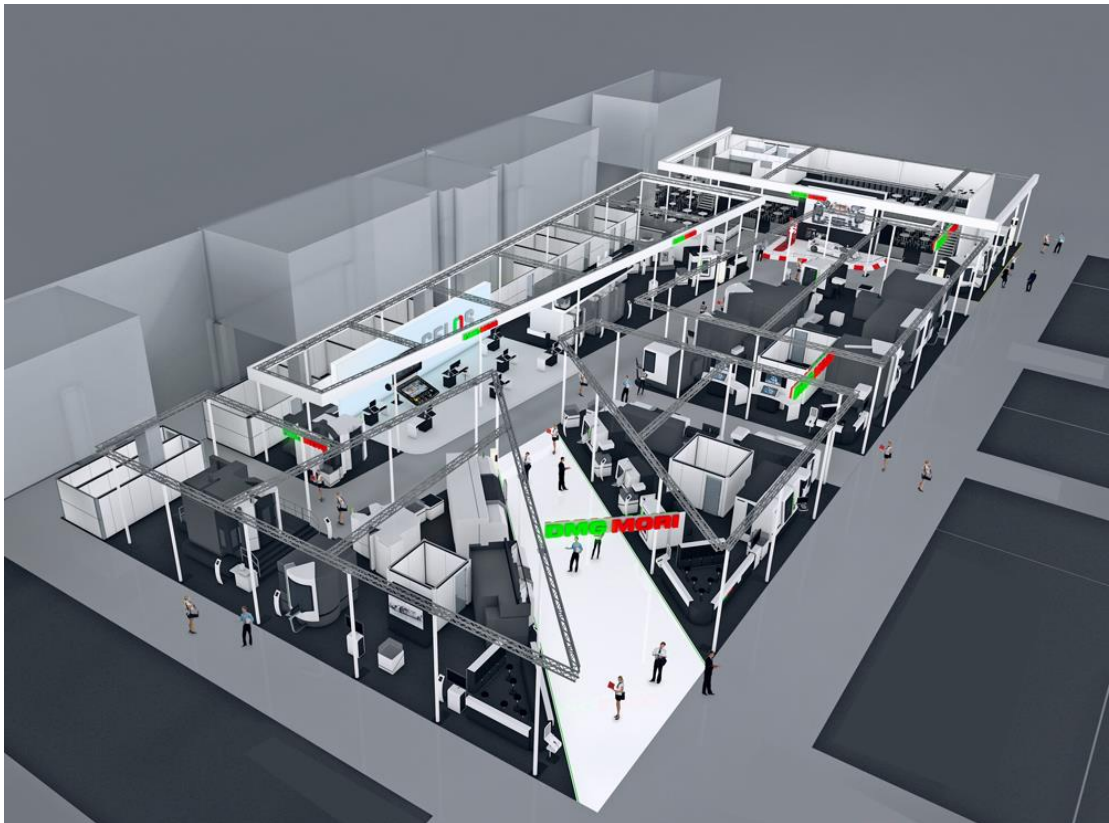


Figure 2: DMG MORI booth image



Photo1: NTX 1000



Photo 2: NHX 4000



Photo 3: NRX 2000



Photo 4: LASERTEC 65 3D