

Press Release

September 17, 2009

EMO MILANO 2009

Mori Seiki Co., Ltd. will be exhibiting at **EMO MILANO 2009** Machine Tool World Exhibition to be held from October 5 to 10 in Milan, Italy. EMO is one of the world's largest machine tool fairs, along with JIMTOF in Japan and IMTS in the U.S.A. The previous EMO, which was held in 2007 in Hannover, Germany, attracted 170,000 visitors.

This year, more than 1,300 companies will participate in EMO. Mori Seiki will showcase 11 innovative machine tools in its large booth with an area of 1,200 m². Other exciting features in the Mori Seiki booth include live demonstrations of MAPPS IV high-performance operating system, ESPRIT CAM software and EOD (Education On Demand). We are looking forward to seeing you at our booth.

Here we will introduce three of our new products that will be on display at EMO MILANO 2009.

◆ **NT1000—New Compact High-precision, High-efficiency Integrated Mill Turn Center in NT Series—**

The NT1000 is an integrated mill turn center that employs Mori Seiki's original technologies, DDM (Direct Drive Motor) and ORC (Octagonal Ram Construction). This compact machine requires approx. 40% less floor space than our conventional machines. The headstock of Spindle 1 has a mechanism in which the center of the spindle always stays the same height, and both Spindle 1 and the tool spindle use a high-efficiency, large-capacity cooling system to keep thermal displacement to a minimum. Equipped with these features, the NT1000 is ideal for high-precision machining of small precision parts.



Fig. 1 NT1000/W (with workpiece discharge unit)

◆ **NMV3000 DCG—High-precision 5-axis Vertical Machining Center with Excellent Operability—**

The NMV3000 DCG high-precision 5-axis control vertical machining center provides both superior accessibility and visibility. The machine uses DDM (Direct Drive Motor) on the B and C axes, ORC (Octagonal Ram Construction) on the Z-axis, and DCG (Driven at the Center of Gravity) on the Y and Z axes, making high-speed, high-precision machining possible.



Fig.2 NMV3000 DCG

◆ **MAPPS IV—The Fourth Generation of High-performance Operating System—**

MAPPS IV is a high-performance operating system with an easy-to-see screen and easy-to-use keyboard. The new controls allow users to view manuals, tool and drawing data and setup procedures on the screen, offering greatly improved operability. Additionally, machine's interior and exterior can also be monitored on the MAPPS screen by installing optional cameras, enabling users to check the status of the machining area, tool magazine and chip bucket on the screen. The cameras can be installed at customer's desired locations.



Fig. 3 MAPPS IV (with 19-inch screen)

■ EMO MILANO 2009

Date and time	October 5 to 10, 2009 9:30 a.m. - 6:00 p.m.
Venue	Milan, Italy (International exhibition center, fieramilano, Hall 4, Entrance East)
Mori Seiki booth area	1,200 m ²
EMO official website	http://www.emo-milan.com/eng/home.cfm?id=340

■ Display machines

CNC lathe	NL2000SY/500
	DuraTurn2550MC Robot specifications
Multi-axis machine	NT4300 DCG/1500SZ
	NT1000/W (new model)
	NZ1500T3Y3
5-axis machine	NMV1500 DCG (pre-release display)
	NMV3000 DCG (new model)
	NMV8000 DCG/50
	NN1000 (pre-release display)
	DIXI DHP80 5-axis specifications
Machining Center	NH6300 DCG II