

Press Release

December 3, 2007

MAPPS III Becomes Standard for All Models in the Dura Series

With our high-performance operating system, they become even easier to use

All models in Mori Seiki's **Dura Series of lathes and vertical machining centers**, which are built on the concept of reliability and cost performance, will be equipped with the new, 3rd-generation **MAPPS III high-performance operating system as standard.**

The Dura Series uses all of Mori Seiki's accumulated knowledge, with a design which eliminates waste, shared parts within the Series, revised specification settings, and newly developed units to control costs. We have achieved price and delivery times which delight our customers, and since it was released in June 2006 more than 1,600 units have been ordered (as of October 31, 2007).

In order to make the Dura Series productivity even higher, we have decided to install MAPPS III as standard. This will add the benefits shown below to the many features which the Dura Series already possessed.

① **Improved operability**

With MAPPS III, which is well known for its excellent operability, we have achieved an operating system with a display which is even easier to see and which feels like a PC to use. Both USB and memory cards can be used for its interface.

② **Plenty of programming and setup functions**

Thanks to its wide array of programming functions, much of the difficulty has been taken out of programming. And machining shapes and tool paths can also be checked with the 3D cutting simulation.

The Dura Series already boasted outstanding cost performance, reliability and versatility, and with MAPPS III it has become even easier to use.

Models	DuraVertical 5060/5080/5100 (3 models) DuraTurn 1530/2030/2050/2550 (4 models)
Orders start	December 2007

■ **Major Specifications**

DuraVertical 5060

Axis travel (X/Y/Z)	600/530/510 mm
Table working surface	900 × 600 mm
Table loading capacity	500 kg
Max. spindle speed	10,000 min ⁻¹
Spindle drive motor (5 min./30 min./cont.)	15/13/11 kW
Rapid traverse rate (X/Y/Z)	36,000/36,000/20,000 mm/min
Tool storage capacity	30 tools
Tool changing time (tool-to-tool)	1.3 sec.
Machine size (width x depth x height)	1,900 x 2,315 x 2,674 mm
Mass of machine	5,800 kg

DuraTurn 2050

Max. turning diameter	φ360 mm
Max. turning length	530 mm
Axis travel (X/Z)	215/570 mm
Max. spindle speed	4,000 min ⁻¹
Rapid traverse rate (X/Z)	24,000/24,000 mm/min
Number of tool stations	12
Spindle drive motor (5 min./30 min./cont.)	13.5/13.5/11 kW
Machine size (width x depth x height)	2,190 x 1,747 x 1,758 mm
Mass of machine	3,750 kg



DuraVertical 5060



DuraTurn 2050



MAPPS III