

## Press Release

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July 5, 2007

# 20-Station Turret Specifications for Long-term Operation at Night and Machining of Complex Workpieces

## We will Start Accepting Orders for the Popular NL Series with 20-Station Turret Specifications

Mori Seiki will start accepting orders for the **NL1500 and NL2000 Series** of high-rigidity, high-precision CNC lathes with **20-station turret specifications** from July 9.

The NL Series is one of our most successful products, with about 7,000 units sold since its release in 2004. Its high-rigidity structure, which was achieved through structural analysis, offers stable cutting, and its machining ability has delighted many customers. We have developed 20-station turret specifications for the NL1500 and the NL2000 Series.

Since the 20-station turret specifications can hold up to **20 tools**, it is suitable for a wider range of workpieces, including those which require many processes and for which automation was difficult with the conventional 12 tools. By using the **BMT™ (Built-in Motor Turret)** for milling specifications and a **high-rigidity, compact tooling system** which boasts good sales records with the NT and NZ Series, we have achieved machining ability and versatility which match those of machining centers.

Mori Seiki will continue to contribute to improving our customers' productivity by developing machine tools to meet their needs.

Type	20-station turret specifications
Models	NL1500, NL2000 Series
Market	Automobile parts, construction machinery, hydraulic/pneumatic equipment, etc.
Orders start	July 9, 2007
Production	20 units/month (machines with 20-station turret specifications)

■ Major Specifications (20-station turret specifications)

	NL1500 Series	NL2000 Series
Max. turning diameter	φ278 mm	
Max. turning length	515 mm	510 mm
Axis travel (X/Z/Y)	260/580/100 mm	
Max. spindle speed	6,000 [8,000] min <sup>-1</sup>	5,000 min <sup>-1</sup>
Rapid traverse rate (X/Z/Y)	30,000/30,000/10,000 mm/min	
Number of tool stations	20	
Turret indexing time	0.25 sec.	
Spindle drive motor (30 min./cont.)	11/7.5 [15/11] kW	15/11 [18.5/15] kW
Rotary tool spindle drive motor (3 min/ 5 min/ cont)	[5.5/ 5.5/ 3.7 kW (for milling spec. only)]	

[ ] Option



20-station turret



NL2000