HDL 2000

Ultra-Precision CNC Horizontal Drum Lathe
(Standard or HD version configurable as a 4 or 5 axis machine)

Main Features

- PC based CNC motion controller with Windows XP operating system and 1 nanometer (0.04 µ") programming resolution
- Linear encoder/glass scale position feedback system with 0.034 nanometer resolution on X axis; 1.0 nanometer resolution on Z axis; and 100 nanometer resolution on W axis (tailstock)
- Programmable, CNC Controlled W axis, with integral “NanoLock” hydraulic braking system (provides maximum tailstock rigidity during machining and enables flexible & rapid machine set-up)
- Box-way hydrostatic oil bearing slideways provide smooth, stiff, and well damped linear motions
- Linear motor drives for rapid cycle times, improved surface quality, and minimal maintenance
- Exclusive Oil Hydrostatic Headstock (with C-axis) and Tailstock spindles; with liquid cooling for increased thermal stability

Please see reverse side for more specifications

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