

P-A0474* DMU 75 monoBLOCK Axis: 750 mm x 650 mm x 560 mm

Main drive Electros spindle 18,000 rpm 35 kW (40% ED); 25 kW (100% ED) Tool holder SK 40 according to DIN 69871 Tool clamping according to DIN 69872
Vertical spindle head Horizontal tool changer with double collet Chain tool magazine 60 places SK 40 NC tilting rotary table C-axis table: d 650 Integrated in the fixed table 800 mm x 650 mm MPC Machine Protection Control Chip tank with integrated coolant 500 l integrated coolant tank 3D Continuous Control

Control: Siemens 840D solutionline

Operate with CELOS for simplified machine operation incl. 21.5" ERGOline® Control with Multi-Touch screen Continuous management Documentation and visualisation of documentation and visualisation of order, process and machine data Connectable with CAD / CAM PPS / ERP compatible

P-M0039 Tool holder for HSK-A 63

according to DIN 69893 (including spindle adaptation and tool magazine)

P-K0263* Infrared measuring probe Prod. Heidenhain TS 649 DMG SK 40 or other optional tool holders

P-K0405 Tool measuring device in the work area

Prod. Blum Laser Tool length and diameter measurement vertical P-K0224 3D quickSET

Tool kit for checking and correcting kinematic accuracy for 4/5 axis machine configurations (only in combination with optional measuring probe option)

P-K0371* Spindle capacity indicator for main drive, integrated in the main drive, integrated in the spindle spindle head fairing

P-K0206* 4-colour alarm indicator lamp P-K0398 Production package

Scraper vane conveyor with Internal coolant supply system 600 l paper belt filter Evacuation height: 950mm Width: 670mm Internal coolant supply 40 bar/23 l/min through spindle axis (AD) (Theoretical pump capacity) Chip washing in the working area door (replaces standard coolant system) P-K0365 Coolant ring nozzle for vertical spindle head 15 water nozzles, 5 air nozzles P-G0004 Gun for washing workpieces with pump 1 bar/40 l/min (theoretical pump capacity) P-G0026 Compressed-air coolant system via spindle axis compressed air via spindle axis, selectable via M functions P-H0109 Electronic handwheel Siemens P-H0127 Application Tuning Cycle ATC Programmable feed parameters for precision machining / surface/ speed

P-R0001 3D mathematical model in STEP format for the integration of a customer-specific CAD system customer-specific CAD system for machine simulation (basis for data according to series structure)