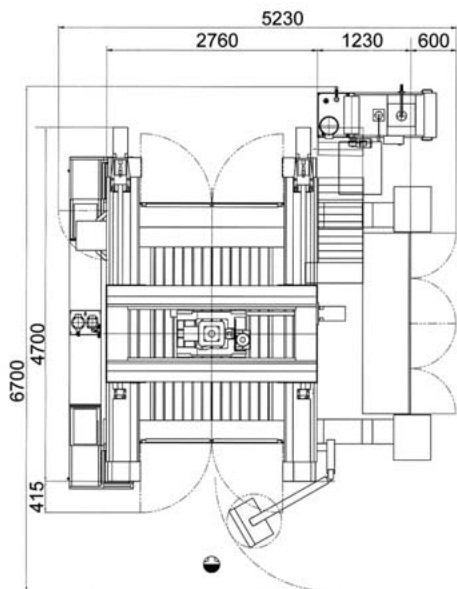
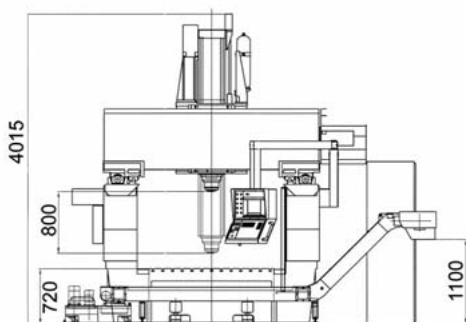
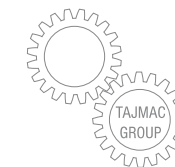


VERTICAL MACHINING CENTRE

MCV 2316



- ▶ Highly productive machining centre
- ▶ Ideal solution for cutting of dimensional moulds and dies
- ▶ High dynamic and thermal stability
- ▶ High precision of machining
- ▶ Linear guideways in all axes
- ▶ Direct measuring in all axes
- ▶ Easy loading of large workpieces
- ▶ Full enclosure of work zone
- ▶ High efficiency production in a compact footprint
- ▶ 3-5 axis machining
- ▶ HSC technology application
- ▶ Environmentally friendly machine tool
- ▶ Ergonomic and user friendly solution



Travels	
X, Y, Z axes	2 000 × 1 200 × 800 mm
Table	
Table size	2 300 × 1 600 mm
Maximum table load	12 000 kg
Maximum work piece	2 100 × 1 300 × 600 mm
Distance from table surface to floor	725 mm
T-slots number × width	13 × 18 mm
Dimensions of the second T-slot from the right	18 H7 mm
T-slot pitch	125 mm
Feeds	
Feed in X, Y, Z axes	20 m/min
Rapid traverse	30 m/min
Acceleration in X, Y, Z axes	3 m/s ²
Spindle	
Speed ratio	30 – 12 000 min
Spindle diameter in front bearing	100 mm
Clamping taper	HSK-A100
Alternative clamping taper	HSK-A80
Power S1	25 kW
Power S6	33 kW
Nominal speed	1 190 min ⁻¹
Maximum torque	200 Nm
Positioning	electric
Distance from spindle face to table surface	200 – 1 000 mm
Accuracy	
Measuring system in X, Y, Z axes	direct
Measuring and interpretation according to	VDI / VDQ 3441
Positioning in X, Y, Z axes	0.008 mm
Repeatability in X, Y, Z axes	0.006 mm
Measuring and interpretation according to	JIS B 6336
Positioning in X, Y, Z axes	±0.002 mm
Repeatability in X, Y, Z axes	±0.0015 mm
Automatic Tool Changer	
Tool holder	HSK-A100
Number of tools	10
Changing time (tool-tool)	9 s
Maximum tool diameter	110 mm
Maximum tool length	300 mm
Maximum tool weight	12 kg
Total maximum tool weight of all tools	70 kg
Pneumatic Unit	
Inlet pressure	0.6 – 0.8 MPa
Air consumption (approximately)	30 m ³ /h
Capacity of air lubrication tank	0.1 l
Electric Power Requirements	
Nominal system voltage	3 × 400 V ±10 V / 50 – 60 Hz
Operating input	64 kVA
Installed power	65 kW
Fully loaded machine current	125 A

Coolant Tank	
Coolant capacity in coolant tank	450 l
Coolant capacity in chip conveyors	40 l
Pump motor power	0.94 kW
Nominal pump speed	2 900 min ⁻¹
Pump capacity	50 l.min ⁻¹
Pump motor power of tank flush	180 kW
Nominal speed of tank flush pump	2 900 min ⁻¹
Pump capacity	50 l.min ⁻¹
Weight	
Machine without el. cabinet and chip conveyors	cca 24 000 kg
Chip conveyors	2 × 250 kg
Spindle cooling unit (without medium)	95 kg
Console with aggregates	120 kg
El. cabinet including the apparatus	800 kg
Control system panel including support arm	85 kg
Complementary Information	
Machine layout	5 230 × 6 700 mm
Maximum machine operating height	4 015 mm
Control system	HEIDENHAIN iTNC 530

STANDARD EQUIPMENT

- ▶ Spindle HSK-A100
- ▶ Control system Heidenhain iTNC530
- ▶ Two chip conveyors
- ▶ Air supply through the spindle axis
- ▶ Completely covered workong space
- ▶ Automatic tool changer
- ▶ Machine assembly and activation

OPTIONAL EQUIPMENT

- ▶ Spindle axis tool cooling 5.5 MPa
- ▶ Spindle axis tool cooling 7 MPa
- ▶ Interface for probe OMP 60
- ▶ Interface for probe RMP 60
- ▶ Work piece probe OMP 60
- ▶ Work piece probe RMP 60
- ▶ Tool probe NC4
- ▶ Tool probe MINI NT F800
- ▶ Rotary-tilting table ø 600 mm
- ▶ Extended rotary-tilting table
- ▶ Oil mist removal
- ▶ Oil mist cooling
- ▶ Oil mist cooling through spindle axis
- ▶ Water jetting gun
- ▶ Interface for satellite spindle
- ▶ Satellite spindle

Specifications and illustrations may not always correspond with the machine latest version.

Manufacturer TAJMAC-ZPS, a. s. Trída 3. května 1180 764 87 Zlín, Malenovice CZECH REPUBLIC Tel.: +420 577 532 072 Fax: +420 577 533 626 www.tajmac-zps.cz e-mail: info@tajmac-zps.cz	Holding TAJMAC-MTM, S. p. A. Via Gran Sasso 15 20092 Cinisello Balsamo (MI) ITALY Tel.: + 39 02 6601 7878 Fax: + 39 02 6601 1457 www.tajmac-mtm.it e-mail: tajmac@tajmac-mtm.it
---	--