



KOVOSVIT MAS
machine your future



MCV 800 Clever

Vertical machining center

www.kovosvit.cz

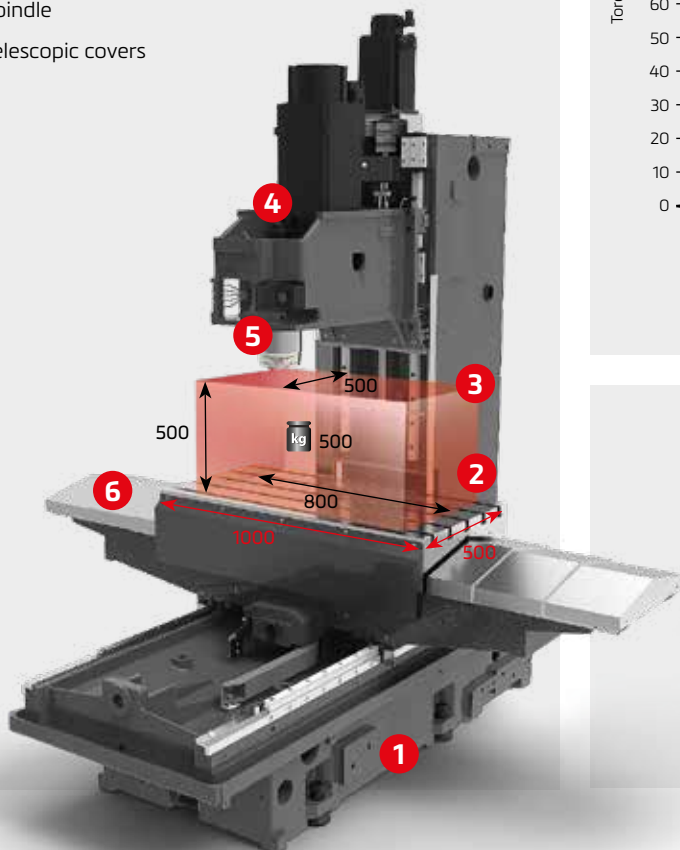
Main features of the machine

- Linear rolling guides with indirect measuring of all axes
- Increased starting of X axis = 800 mm
- Small built-up machine area, improved ergonomics
⇒ lower spatial requirements
- Innovation of kinematic configuration of cross-table
⇒ Increased static rigidity of load-bearing structure
- New developed machine variant with worm chip conveyor
⇒ compactness (machine length decreased by 1200 mm as compared to link conveyor)
- Increased number of clamping grooves on the table
- Heidenhain TNC620, Siemens 828D control system
- Innovated spindle ⇒ Decreased noise level, maximum revolutions increased to 9 000 min⁻¹
- Standard accessories include manual airblast and rinsing, headstocklight, air blast for tools



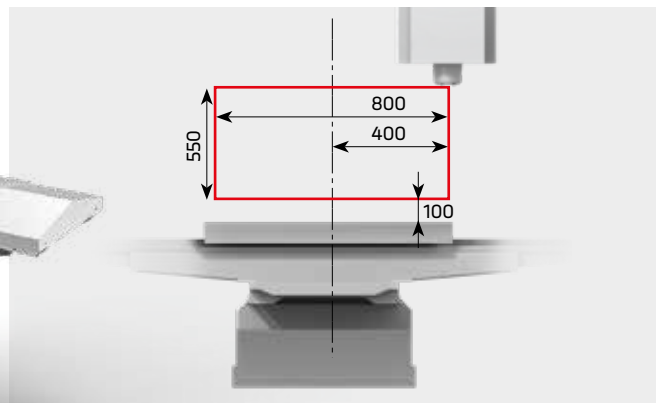
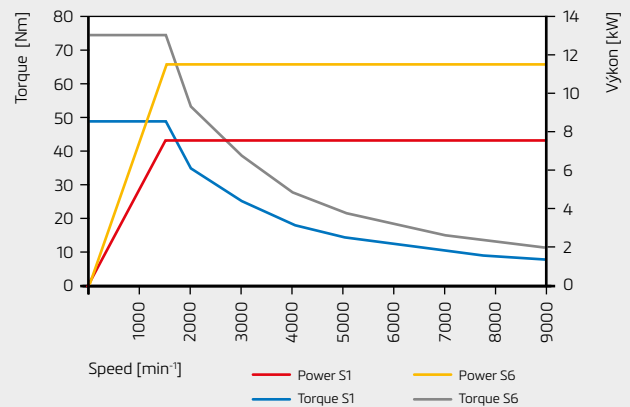
Working space

- 1 | Machine frame
- 2 | Table clamping area
- 3 | Stand
- 4 | Spindle head
- 5 | Spindle
- 6 | Telescopic covers



Spindle

CLEVER – 9 000 min⁻¹

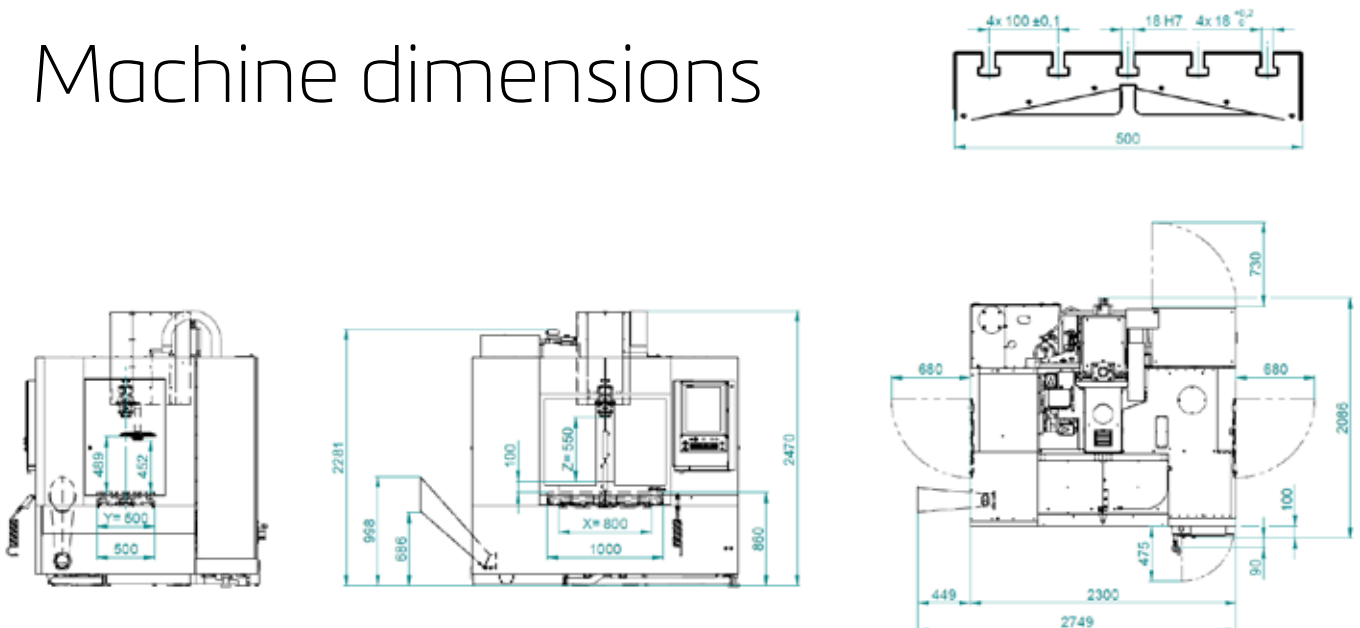


Technical specifications

			MCV 800 Clever
Table	Table clamping surface	mm	1000 × 500
	T-slots (number×width×spacing)	mm	5
	Max. weight on table	kg	600
Working range	X-axis	mm	800
	Y-axis	mm	500
	Z-axis	mm	550
	Distance from spindle nose to table clamping surface	mm	100 - 650
Spindle	Spindle taper	-	ISO 40 (7:24)
	Max. speed	min ⁻¹	9 000
	Speed change	-	Continuously
Feed rate	Working feed rate X, Y, Z	m.min ⁻¹	15
	Rapid traverse X, Y, Z	m.min ⁻¹	30
Tool magazine	Magazine capacity	-	24
	Max. tool length	mm	250
	Max. tool dia.	mm	80
	Max. tool dia. - adjacent stations empty	mm	120
	Change time of adjacent tool	s	3
	Max. tool weight	kg	6,5
Motor	Spindle motor output (S1/S6 - 40%)	kW	7,5 / 10,5
	Nominal torque (S1/S6 - 40%)	Nm	48 / 74
	Max. total machine input	kVA	15
Accuracy ČSN ISO 230 - 2	Measuring system X, Y, Z	-	indirect (from motor)
	Positioning accuracy of coordinates	mm	0,012
	Accuracy of repeatability	mm	0,005
Air operating pressure		MPa	0,6
Machine dimensions	Dimensions (l x w x h)	mm	2086 × 2749 × 2470 *
	Machine weight	kg	4 000

* Without manual rinsing, with maximal headstock range, with elevation of the machine for 5 cm

Machine dimensions





KOVOSVIT MAS
machine your future

KOVOSVIT MAS, a.s.

náměstí Tomáše Bati 419, 391 02 Sezimovo Ústí
Czech Republic

T: +420 381 632 202

F: +420 381 633 570

E: sale_export@kovosvit.cz

MAS service center: +420 381 74 74 74