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machine tools,
automation and foundry

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machine your future

MCV BaseLine



MCV 1016 BASE

X / Y / Z: 1016 / 610 / 710 mm

Table clamping surface:
1300 × 600 mm

MCV 754 BASE

X / Y / Z: 754 / 500 / 550 mm

Table clamping surface:
1000 × 500 mm

MCV 754 BaseLine

- Spindle
 - Spindle output (S6 - 25%): 13 kW
 - Max. speed: 9 000 rpm
 - Nominal torque (S6 - 25%): 83 Nm
- Control system HEIDENHAIN TNC 620
- Indirect measurement
- Max. weight on table 400 Kg
- Only 3 axis version
- Integrated keyboard
- Graphic support for programming
- Advanced programming features (Contours, Cycles)

MCV 1016 BaseLine

- Spindle
 - Spindle output (S6 - 25%): 17 kW
 - Max. speed: 9 000 rpm
 - Nominal torque (S6 - 25%): 108 Nm
- Control system HEIDENHAIN TNC 620
- Indirect measurement
- Max. weight on table 500 Kg
- Only 3 axis version
- Integrated keyboard
- Graphic support for programming
- Advanced programming features

Technical data

TECHNICAL DATA			MCV 754 BASE	MCV 1016 BASE
Table	Table clamping surface	mm	1 000×500	1 300×600
	T-slots (number×width×spacing)	mm	3×18×125	5×18×125
	Max. weight on table	kg	400	500
Working range	X-axis	mm	754	1016
	Y-axis	mm	500	610
	Z-axis	mm	550	710
	Distance from spindle nose to table clamping surface	mm	100 - 650	100 - 810
Spindle	Spindle taper	-	ISO 40	ISO 40
	Max. speed	rpm	9 000	9 000
	Speed change	-	infinitely variable	
Feed rate	Working feed rate X, Y, Z	mm.min ⁻¹	1 - 30 000	1 - 30 000
	Rapid traverse X, Y, Z	m.min ⁻¹	30	30
Tool magazine	Magazine capacity	-	24	24
	Max. tool length	mm	250	300
	Max. tool dia.	mm	75	75
	Max. tool dia. - adjacent stations empty	mm	120	120
	Change time of adjacent tool	s	3	3
	Max. tool weight	kg	6,5	6,5
Motor	Spindle motor output (S6 - 25%)	kW	13	17
	Nominal torque (S6 - 25%)	Nm	83	108
	Max. total machine input	kVA	15	20
Accuracy ČSN ISO 230 - 2	Measuring system X, Y, Z	-	absolute	
	Positioning accuracy of coordinates	mm	0,007	0,007
Air operating pressure		MPa	0,55 - 0,6	0,55 - 0,6
Machine dimensions	Machine dimensions (l×w×h)	mm	2 320 × 2590 × 2560	2 700 × 3080 × 2940
	Machine weight	kg	4 000	5 500

The machine conforms to  | In view of continuous machine development and innovation, specifications in this advertising material are subject to change without notice.

Special accessories

	MCV 754 BASE	MCV 1016 BASE
Chip conveyor / Chip containers	✓	✓
Internal coolant supply 2 MPa	✓	✓
Switchable coolant-air cooling	✓	✓
Working space manual rinsing	✓	✓
Air blast (for tools)	✓	✓
Oil mist collector filtermist	✓	✓
Switchboard cooling	✓	✓
Hand wheel	✓	✓
Measurement probe	✓	✓
Control system – software accessories	✓	✓
Direct measuring	✓	✓