

Specifications 50 P



Performance

		Standard	Option
Drilling capacity in steel E 335 / AISI 1040	mm		100
Tapping in steel E 335 / AISI 1040	M		36
Milling capacity in steel E 335 / AISI 1040	cm ³ /min		1,000

Main spindle drive (motor spindle)

Power at S1 100% /S6 40% c.d.f.	kW		48/60
Speed range	rpm		20-9,000
Torque max. S1 100% c.d.f./S6 40 % c.d.f.	Nm		455/575

Feed rates

Feed X-axis	N		20,000
Feed Y-/Z-axis	N		13,000/50,000
Rapid traverse speed	m/min		30/30/15
Programmable feed	mm/min		30,000/30,000/15,000

Tool spindle

Taper		SK50 - DIN 69871 Form A	HSK 100 A DIN 69893
with internal cooling (optional)		SK50 - DIN 69871 Form B	HSK 100 A DIN 69893
Spindle diameter	mm		100
Tool mounting/tightening force	N		25,000

Tool magazine

Capacity		18	up to 200
Tool diameter max.	mm		150
Tool length max.	mm		520
Tool weight max.	kg		25

Tool change

Tool change time	sec.		approx. 10
Chip-to-chip time	sec.		approx. 20 according to length of Y-axis
Tool pocket coding			variable

Control

CNC path control		INDRA Motion MTX/Heidenhain/Siemens 840D	
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Machining area

X-axis (linear drive)	mm	4,000	up to 50,000
Y-axis (linear drive)	mm		5,000
Z-axis	mm	1,100	1,500
W-axis (adjustment of portal bridge)	mm		800
Distance spindle nose to table	mm		1,800
Machine table width	mm		3,000
T-slots		12 x 22H10 DIN 650	

General specifications

Power supply	kVA		240
Compressed air connection	bar		6