

# Specifications 50 L

## Performance

		Standard	Option
Drilling capacity in steel E 335 / AISI 1040	mm	40	60
Tapping in steel E 335 / AISI 1040	M	22	30
Milling capacity in steel E 335 / AISI 1040	cm <sup>3</sup> /min		1,000

## Main spindle drive

Power at 40% c.d.f.	kW	44	55
Speed range	rpm	8,000/ (up to 12,000)	
Torque max.	Nm	350	

## Feed rates

Feed Z-axis	N	11,000	
Feed X-/Y-axis	N	8,000	
Rapid traverse speed	m/min	30/ (48/80 with linear drive)	
Programmable feed	mm/min	30,000 (48,000/80,000)	

## Tool spindle

Taper		SK50 - DIN 69 871/72 form A (HSK100)	
with internal cooling (optional)		SK50 - DIN 69 871/72 form A (HSK100)	
Spindle diameter	mm	70	
Tool mounting/tightening force	N	25,000	

## Tool magazine

Capacity		48/60/80/ (up to 160)	
Tool diameter max.	mm	100/200	
Tool length max.	mm	460	
Tool weight max.	kg	25	

## Tool change

Tool change time	sec.	approx. 7.5	
Chip-to-chip time	sec.	approx. 9.5	
Tool pocket coding		variable	

## Control

CNC path control		BOSCH/Heidenhain/Siemens 840D	
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## Machining area

X-axis	mm	2,000/ (up to 12,000)	
Y-axis	mm	800/ (up to 1,000)	
Z-axis	mm	950	
Distance spindle nose to table	mm	50	
Machine table width	mm	500/ (up to 1,050)	
T-slots		7 x 18H10	9 x 18H10

## General specifications

Power supply	kVA	42	
Compressed air connection	bar	6	