

# Specifications 30 HV/K



## Performance

Drilling capacity in steel (E 335/AISI 1040)	mm
Tapping in steel (E 335/AISI 1040)	M
Milling capacity in steel (E 335/AISI 1040)	cm <sup>3</sup> /min

## Standard

40  
22  
250

## Option

up to 54  
up to 30  
up to 500

## Main spindle drive (motor spindle)

Power at 40% c.d.f.	kW	16	30
Speed range	rpm	20 - 9,000	12,000/15,000/18,000/24,000/42,000
Torque, max.	Nm	100	190

## Feed rates

Feed Z-axis	N	11,000	
Feed X-/Y-axis	N	8,000	
Rapid traverse speed	m/min	30	48/100
Programmable feed	mm/min	30,000	48,000

## CNC torque swivel head

Machining area		± 105°
Torque, max.	Nm	800
Speed range, max.	rpm	50
High resolution measuring system		indexing accuracy ± 3"

## Tool spindle

Taper		SK40 - DIN 69 871/72 form A (HSK 63A)
with internal cooling (optional)		SK40 - DIN 69 871/72 form B (HSK 63A)
Spindle diameter	mm	70
Tool mounting/tightening force	N	12,000

## Tool magazine

Capacity		36	48/96/108/128
Tool diameter, max.	mm	70/130	
Tool length, max.	mm	360	
Tool weight, max.	kg	3/10	

## Tool change

Tool change time	sec.	<b>vertical</b> approx. 3.5	<b>horizontal</b> approx. 6.5
Chip-to-chip time	sec.	approx. 5.5	approx. 8.5
Tool pocket coding		variable	

## Control

CNC path control		INDRA Motion MTX / Heidenhain iTNC 530 / Siemens 840D
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## Machining area

X-axis	mm	1,300
Y-axis	mm	600
Z-axis	mm	800
Distance spindle nose/table		
vertical	mm	0 - 675
horizontal	mm	175 - 975

## Machine table

Dimensions	mm	1.515 x 635
T-slots		5 x 18H10, distance 125 mm
CNC torque rotary table, Ø	mm	630
Torque, max.	Nm	800
Swing circle Ø, max.	mm	1,000
Speed range	rpm	80
Centering taper, Ø	mm	50
Table load, max.	kg	1,000
High resolution measuring system		indexing accuracy ± 5"

## General specifications

Dimensions (L X W X H)	mm	approx. 4,900 x 4,355 x 3,250
Weight	t	11.5
Power supply	kVA	42
Compressed air connection	bar	6