

■ CNC Control

Control system		SINUMERIK 840D sl
Drive system		SINAMICS S120

■ Working Area

Nominal length	inch	78.74 118.11 177.16 236.22 295.27
Swing diameter	inch	59.05
Slidetravel X-Axis	inch	40.55 41.14
Slidetravel Y-Axis	inch	35.24 30.51

■ Main Spindle / Counter Spindle*

Spindle head acc. to DIN 55026	size	B15	B20
Spindle bore	inch	6.29	8.86
Diameter bearing	inch	11.02	14.17

■ Main Spindle Drive

Driving power 100% / S6-60% duty cycle	hp	87.02 / 104.69	106.05 / 118.29	135.96 / 156.36
Speed range	rpm	0...1400	0...1240	0...888
Torque 100% / S6-60% duty cycle	lbf ft	4252 / 5089	7287 / 8128	9610 / 11063
Speed range of C-Axis	rpm	0...50	0...50	0...50

■ Turning-Milling-Drilling Head

Driving power 100% / S6-60% duty cycle	hp	51.67 / 58.46	91.09 / 108.77
Speed range	rpm	0...3500 / 0...4500 / 0...5500	0...3000
Torque 100% / S6-60% duty cycle	lbf ft	393 / 500 304 / 387 250 / 318	590
Tool system	size	HSK 100T Capto C8* Capto C10*	HSK 100T Capto C8* Capto C10*
Max. coolant pressure (inner)	bar	80	80
Swivel range of B-Axis	°	-105...+95	-105...+95

■ Feed Rates

Rapid feed X, Y, Z	ft min	39 / 39 / 78
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■ Tool Magazine

Pockets	count	48 72 96 120 144
Max. tool length	inch	23.62 (35.43*)
Max. tool weight	lb	55.11

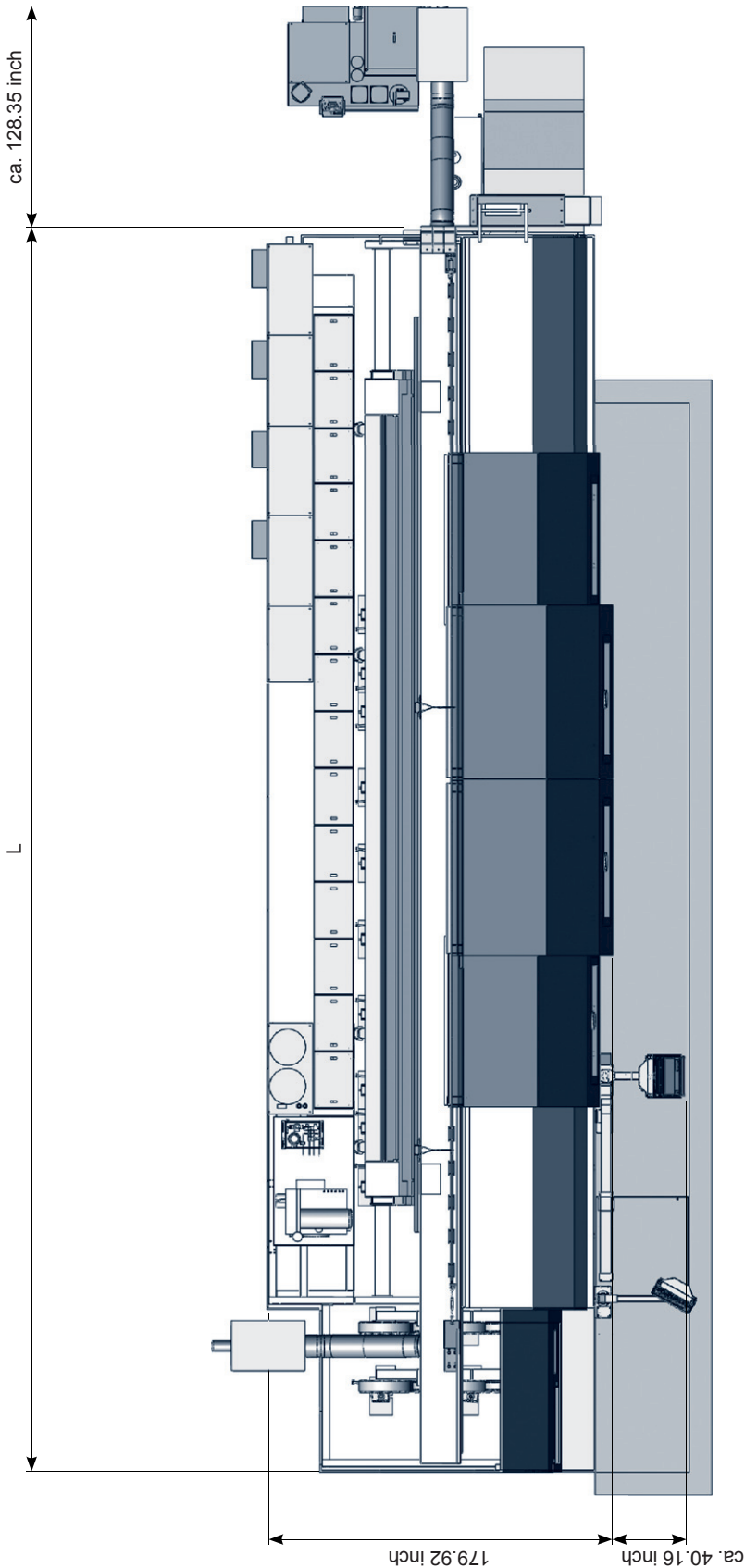
■ Tailstock

Quill center	size	MK 6 ME 80
Quill travel	inch	11.81
Quill diameter	inch	7.68 9.45
Clamping force	kN	5...35 8...55

* Option

// Technical changes reserved

Top view



■ Nominal length	inch				295.27			
Machine length (L)	inch	427.16	78.74	118.11	177.16	236.22	295.27	643.70
Machine weight	ton	50	50	55	61	68	75	75