



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	49.21
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
--------------------	--------	--------------

Tool Magazine

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

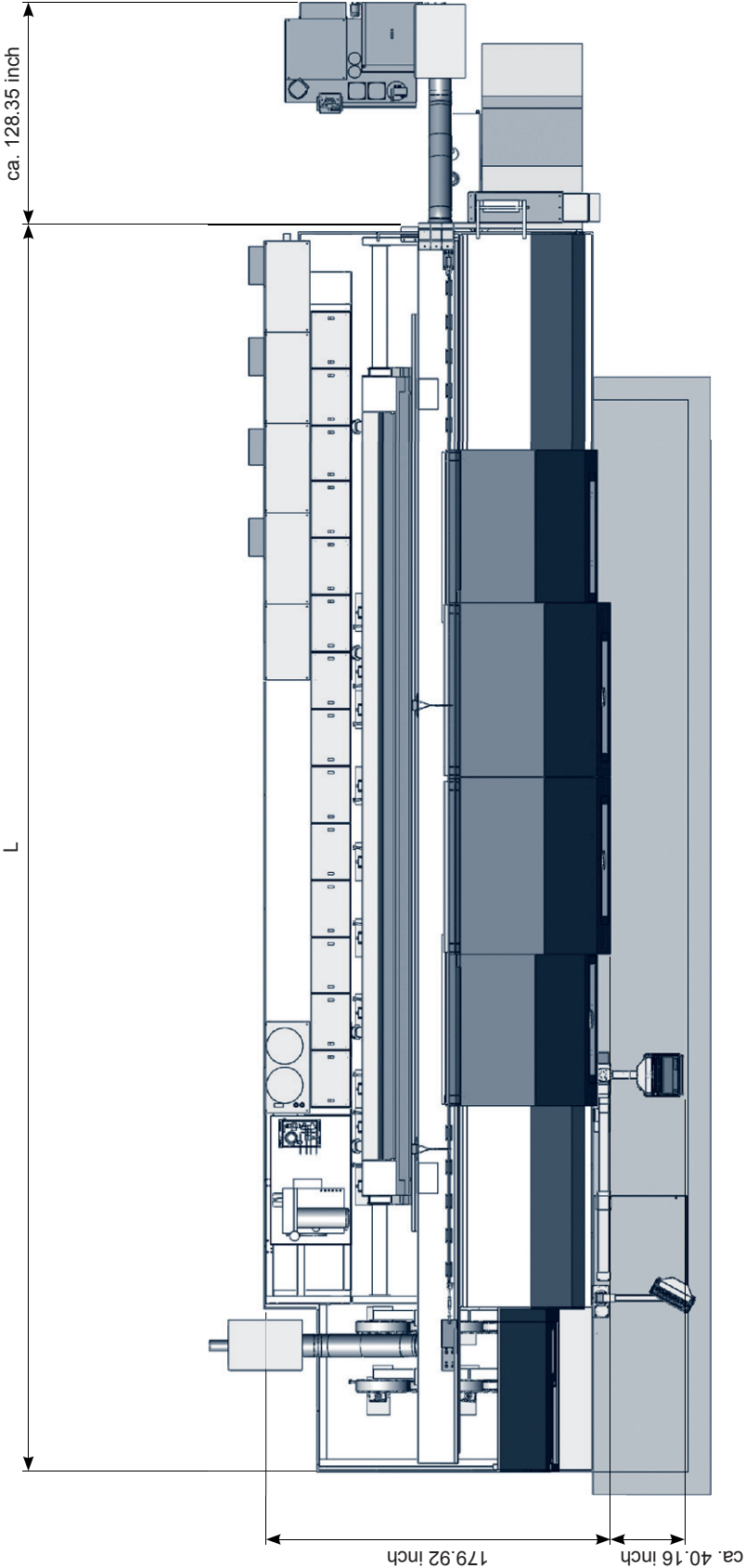
Tailstock

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	78.74	118.11	177.16
Machine length (L)	inch	427.16	466.53	525.59
Machine weight	ton	50	55	61
			68	75
			236.22	295.27
			584.64	643.70