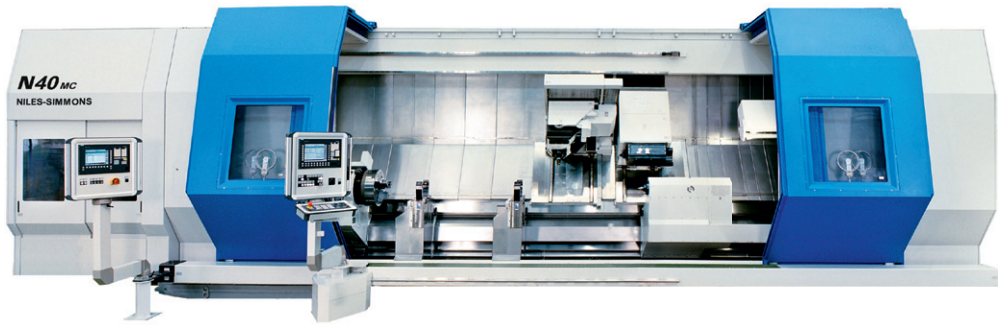


# N40 MC



### CNC Control

Control system		SINUMERIK 840D sl
Drive system		SINAMICS S120

### Working Area

Nominal length	inch	78.74   118.11   177.16   236.22
Swing diameter	inch	32.28   36.22
Slidetravel X-Axis	inch	34.45
Slidetravel Y-Axis	inch	23.62

### Main Spindle / Counter Spindle\*

Spindle head acc. to DIN 55026	size	A15
Spindle bore	inch	6.30
Diameter bearing	inch	9.45

### Main Spindle Drive

Driving power	100% / S6-60% duty cycle	hp	115.57 / 140.04	141.40 / 157.72
Speed range		rpm	0...2400	0...1750
Torque	100% / S6-60% duty cycle	lbf ft	2729 / 3267	5332 / 5900
Speed range of C-Axis		rpm	0...50	0...50

### Turning-Milling-Drilling Head

Driving power	100% / S6-60% duty cycle	hp	51.67 / 65.26	51.67 / 65.26	51.67 / 65.26
Speed range		rpm	0...3500	0...4500	0...5500
Torque	100% / S6-60% duty cycle	lbf ft	393 / 500	304 / 387	250 / 317
Tool system		size	HSK 100T   Capto C8*	HSK 100T   Capto C8*	HSK 100T   Capto C8*
Max. coolant pressure (inner)		bar	80	80	80
Swivel range of B-Axis		°	-105...+95	-105...+95	-105...+95

### Feed Rates

Rapid feed X, Y, Z	ft min	59 / 39 / 98
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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

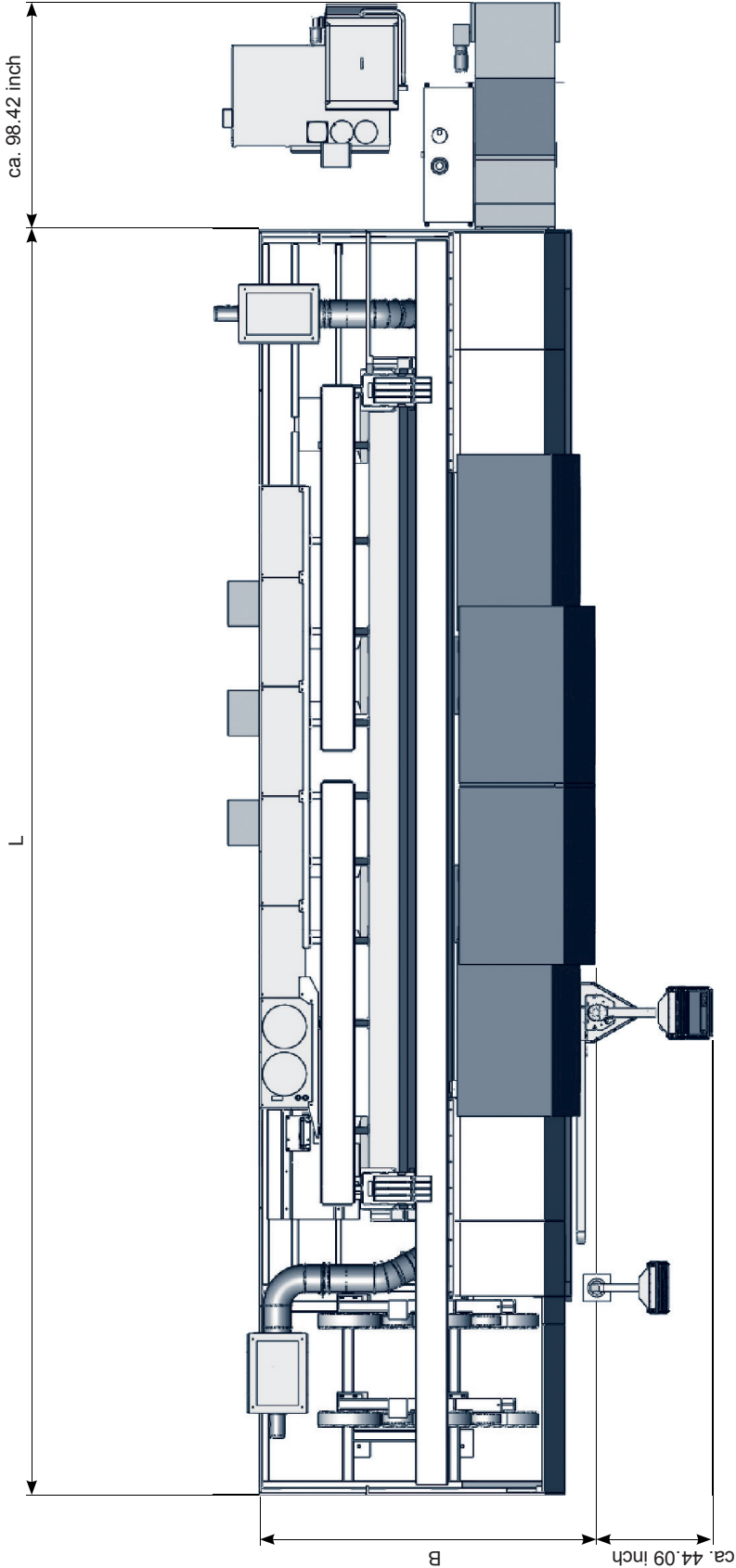
### Tailstock

Quill center	size	MK 6
Quill travel	inch	6.69
Quill diameter	inch	7.08
Clamping force	kN	5...30   8...40

\* Option

// Technical changes reserved

Top view



■ Nominal length	inch					236.22		
	Machine length (L)	inch	387.79	78.74	118.11	177.16	486.22	545.27
	Machine width (B)	inch	137.79	137.79	137.79	145.67	145.67	145.67
	Machine weight	ton	37	37	41	49	49	57