

# N20



## ■ CNC Control

Control system		SINUMERIK 840D sl
Drive system		SINAMICS S120

## ■ Working Area

Nominal length	mm	1000   1500   2000   2500   3000   3500
Swing diameter	mm	650
Slidetravel X-Axis	mm	-15...660
Slidetravel Y-Axis	mm	-150...+220

## ■ Main Spindle / Counter Spindle\*

Spindle head acc. to DIN 55026	size	A8	A11
Spindle bore	mm	92	105
Diameter bearing	mm	150	180

## ■ Main Spindle Drive

Driving power S6-40% /S1-100% duty cycle	kW	34 / 30,4	- / 32
Speed range	rpm	0...3800	0...2000
Torque S6-40% /S1-100% duty cycle	Nm	655 / 580	- / 1200
Speed range of C-Axis	rpm	0...100	0...100

## ■ Feed Rates

Rapid feed X, Y, Z	m/min	25 / 12 / 40
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## ■ Tool Turrets

	2-Axes	4-Axes
Number of turrets	1	2
Tool acceptance acc. to DIN 69880	50   40	50   40
Tool arrangement	axial   radial	axial   radial
Tool positions	12	12 / 12

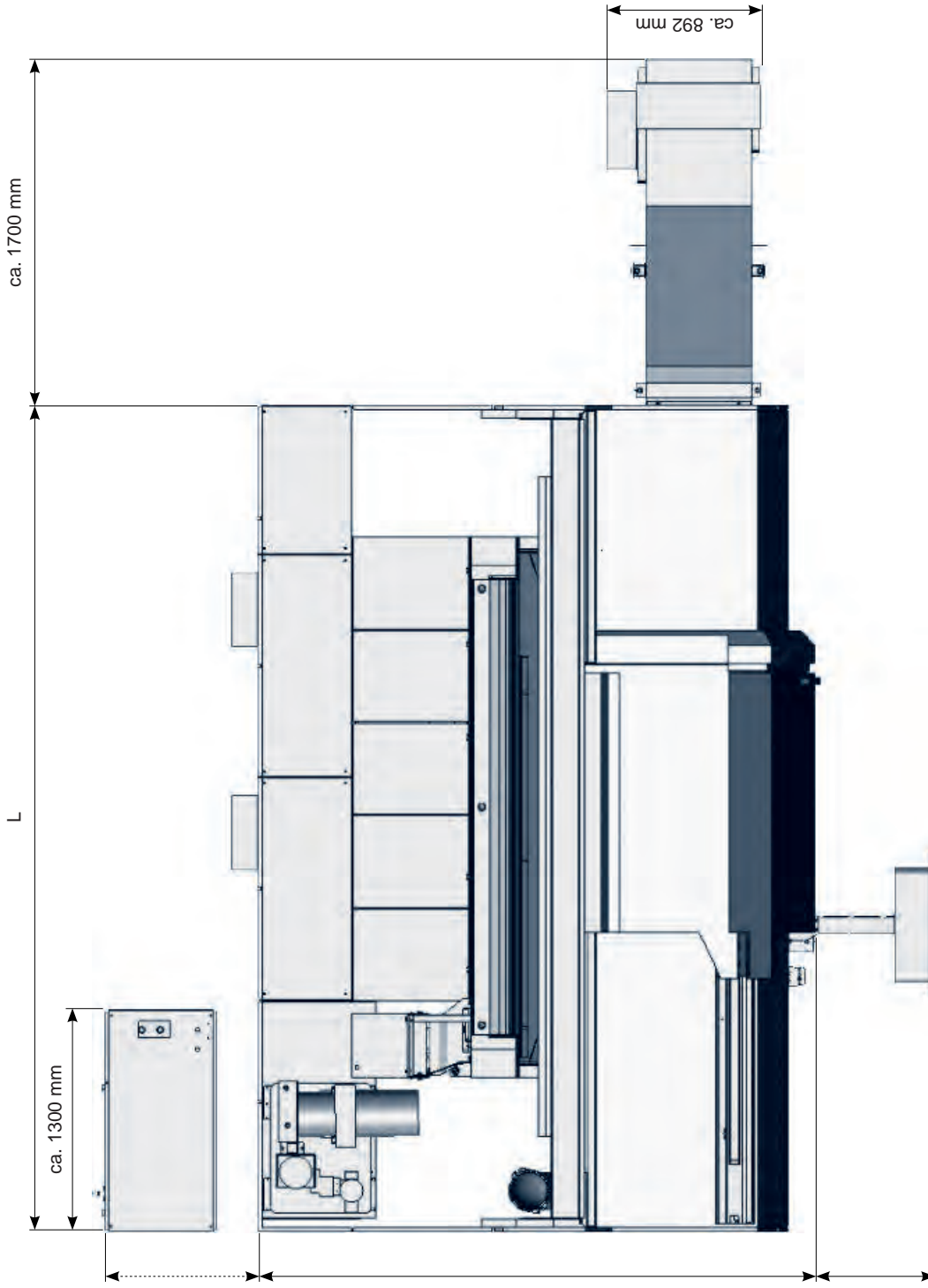
## ■ Tailstock

Quill centre	size	MK 5	MK 5
Quill travel	mm	162	160
Quill diameter	mm	140	150
Clamping force	kN	5...15	4...20

\* Option

// Technical changes reserved

Top view



■ Nominal length	mm	1000	1500	2000	2500	3000	3500
Machine length (L)	mm	4450	4950	5450	5950	6450	7575
Machine weight	ton	16	17	18	19	20	20