



SOFTWARE

CAZENEUVE OPTIMAX³ CNC Assistance
SIEMENS 840D sI MICROBOX

CNC SIEMENS 840D sI
OPERATE - ShopTurn

MACHINE CAPACITIES

Distance between centres	2000 mm	3000 mm	4000 mm	6000 mm	8000 mm	10000 mm
Swing over bed						830 / 1100 mm
Swing over slide						515 / 790 mm
Transverse travel (X)						505 / 610 mm
Longitudinal travel (Z)	From 2000 to 10000 mm (depend of the distance between centres)					

SPINDLE

Number of speed ranges	2 (automatic change)					
Rotation speed	Standard chuck Ø 315 mm (other choice possible)	830 : Range I : 4 – 360 tr/min – Range II : 200 – 1800 tr/min 1100 : Range I : 4 – 300 tr/min – Range II : 160 – 1200 tr/min				
Spindle nose	D1-11" – DIN 55029					
Bore diameter	Ø 140 mm (options 220 – 320 - 360 mm)					
Motor power (S1)	22 kW					
Spindle torque	S1 (continu) S6 (max.)	Range I : 3200 Nm – Range II : 800 Nm Range I : 7905 Nm – Range II : 1980 Nm				

BED

Width	433 mm					
Material / Hardening	Cast-iron (EN-GJL-250) / High frequency hardening (48 to 50 HRC)					

AXES

Z axis	Drive system	Ball screw Ø 63 mm - pitch 10 mm	Rack and pinion drive with double motor system using master			
	Rapid feed	6 m/min				
X axis	Drive system	Ball screw Ø 40 mm – pitch 10 mm				
	Rapid feed	6 m/min				

TAILSTOCK

Quill diameter	125 mm					
Quill travel	300 mm					
Morse taper	MT6					

COOLANT

Pressure / Flowrate	4 bars / 25l/min.					
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MISCELLANEOUS

Dimensions without conveyor (LxWxH)	From 4850 to 12850 (depend of the distance) x 3050 x 2100 mm					
Net weight (approx.)	12000 kg	13300 kg	14500 kg	17200 kg	20300 kg	23800 kg
Installed power	42 KVA					
Electrical connection	Three-phase 400 V with TN neutral system					