

MAGMA CNC

THE N5



Two-Turret Two-Spindle Lathe

SYIL

N5

Engineered for High-Volume Production

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Magma CNC

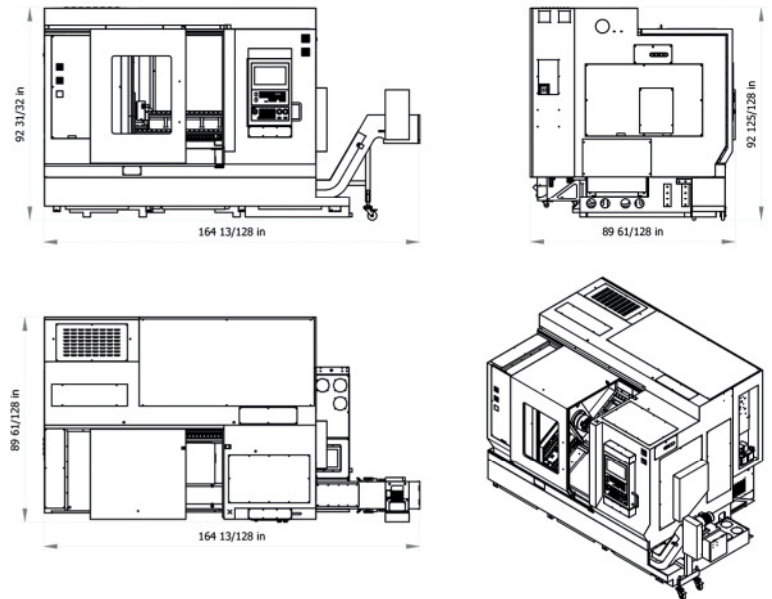
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A versatile, high-productivity dual-spindle, dual-turret turning center. Both upper and lower turrets serve as milling power turrets, with the upper turret featuring a Y-axis for complex turning-milling operations, significantly boosting productivity.

Options

- > Y-Axis
- > 0-Degree Power Head BMT55-32
- > 90-Degree Power Head BMT55-32
- > External Cutter Holder 25*25
- > Boring Tool Holder $\phi 40$



Technical Specifications

Key data	N5	N5 Y
Max. turning diameter (in)	$\Phi 10.24$	$\Phi 10.24$
Max. machining diameter (in)	$\Phi 9.84$	$\Phi 9.84$
Max. machining length (in)	23,62	23,62
Chuck	8"	8"
Bar diameter (in)	$\Phi 2.01$	$\Phi 2.01$
Spindle center distance (in)	38,58	38,58

Left spindle

Rod through-hole diameter (in)	$\Phi 2.05$	$\Phi 2.05$
Spindle through hole (in)	$\Phi 2.40$	$\Phi 2.40$
Spindle bearing diameter (in)	$\Phi 3.94$	$\Phi 3.94$
Rotary cylinder	8"	8"
Spindle nose	A2-6	A2-6
Spindle motor (hp)	14.75/20.12 (electric spindle)	14.75/20.12 (electric spindle)
Spindle speed (rpm)	4000	4000
Spindle output torque (ft-lb)	51,6	51,6

Right spindle

Rod through-hole diameter (in)	$\Phi 2.05$	$\Phi 2.05$
Spindle through hole (in)	$\Phi 2.40$	$\Phi 2.40$
Spindle bearing diameter (in)	$\Phi 3.94$	$\Phi 3.94$
Rotary cylinder	8"	8"
Spindle nose	A2-6	A2-6
Spindle motor	14.75/20.12 (electric spindle)	14.75/20.12 (electric spindle)
Spindle speed (rpm)	4000	4000
Spindle output torque (ft-lb)	51,6	51,6

X, Y, Z axes	N5	N5 Y
X1, X2 axes (mm)	8.66/7.09	8.66/7.09
Z1, Z2 axes (mm)	27.56/27.56	27.56/27.56
ZB axis (mm)	29,53	29,53
Y-axis travel	-	±2.17
Rapid traverse speed X/Z	X: 787.40 Z: 787.40	X: 787.40 Z: 787.40

Powered turret

Tool capacity	12+12	12+12
Tool change speed (s)	0.20 (adjacent tools) 0.40 (opposite tools)	0.20 (adjacent tools) 0.40 (opposite tools)
Outer diameter tool holder (mm)	0.98	0.98
Drill chuck bore (mm)	Φ1.57	Φ1.57
Rotary tool speed (rpm)	4000	4000
Motor (kw)	4,96	4,96
Spindle torque (Nm)	13,3	13,3
Use collet	ER32 (φ0.630)	ER32 (φ0.630)

Other

Coolant tank capacity (gal)	74	74
Hydraulic tank capacity (gal)	7,1	7,9
Electrical capacity (hp)	67,05	71,07
Dimensions (L×W×H) (in)	137.80 × 92.52 × 91.34	137.80 × 92.52 × 91.34
Weight (including control unit) (lb)	17637	18739