

MAGMA/CNC

THE H5



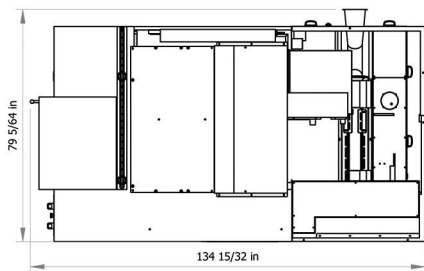
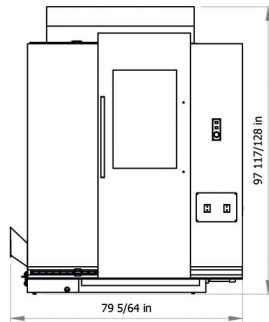
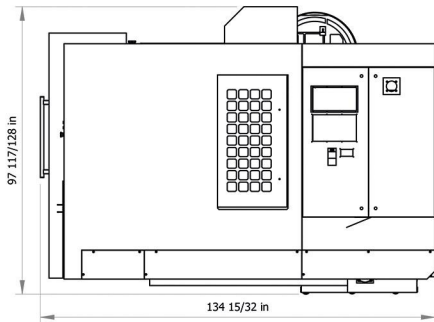
Horizontal Machining Center

SYIL

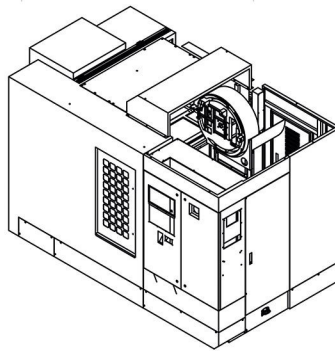
H5

High Speed Fixed Column

Magma CNC
1.877.207.7153
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IMAGE



Controller

- > Siemens SINUMERIK 828d
- > BBT-40 12,000 rpm direct drive
- > Arm type tool magazine 24t
- > Spindle oil coolant system
- > Built-in coolant nozzles
- > Automatic lubrication system
- > Oil skimmer
- > Heat exchanger for electrical cabinet
- > Bed flushing
- > Screw type chip conveyor & cart
- > Rigid tapping
- > LED work light / alarm light
- > Coolant gun / air gun
- > Ethernet transmission
- > M30 automatic power off

Options

- > Spindle upgrade 15K RPM
- > Tool magazine upgrade BT40-32T
- > Spindle center water outlet (20 bar)
- > Chip conveyor
- > Oil mist collector
- > Oil water separator
- > Renishaw OMP60
- > Renishaw Tw-27R

Technical Specifications

Travel

X-axis travel (in)	23,62
Y-axis travel (in)	16,93
Z-axis travel (in)	19,68
Spindle nose to table center (in)	3.94-23.62

Spindle

Spindle speed (rpm)	12
Spindle transmission	Direct drive
Spindle taper	BT-40
Spindle power (hp)	10.06 / 14.75

Feed rate

Cutting feed rate (in/min)	393,7
X/Y/Z rapid feed rate (in/min)	1889.80 / 1889.80 / 1889.80

Table

Table size (in)	15.75 × 15.75
T-slot (w × no. × pitch) (in)	0.20 × 14 × 3.15
Table screw	M12 × 1.75p
Table loading capacity (lb)	772
Table indexing	1° / 0.001°
Max. workpiece dimensions (in)	19,68
Height from table surface to ground (in)	45,28
APC time (s)	2,8

ATC

Type of ATC Arm	Arm type
Number of tools (pcs)	24
Max. tool length (in)	11,81
Max. tool weight (lb)	15
Max. tool diameter (in)	3,15
ATC changing time (s)	2,8

Miscellaneous

Machine dimensions (l × w × h) (in)	73.23 × 100.00 × 100.79
Machine weight (lb)	11244
Power requirement (kva)	25
Air pressure (psi)	85,3