

MAGMA CNC

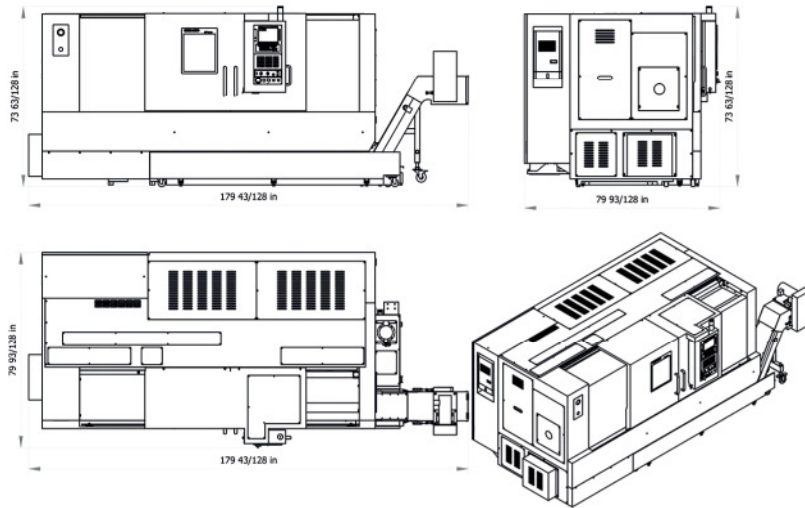
THE L4



Lathe

SYIL

L4 Lathe for Large-sized Parts



The SYIL L4 turning center for high performance cutting of large workpieces.

Controller

- > Siemens SINUMERIK 828D 15.6" touch panel

Options

- > 12 Station Servo Turret
- > 12 Station Live Tool Turret BMT65
- > Hydraulic Tailstock
- > Servo Tailstock
- > Sub-Spindle
- > Y-Axis
- > Chain-Type Automatic Chip Conveyor
- > Filtermist S800
- > Hydraulic Steady Rest
- > Optional Spindle A2-11 Large Bore Spindle
- > Extended Machining Length to 1.1m/1.5m
- > Live Tools

sales@magma-cnc.com

Magma CNC

1.877.207.7153

Technical Specifications



Processing capacity

Chuck size (")	10
Max. swing diameter over bed (in)	ø24.80
Max. swing diameter over carriage (in)	ø12.99
Max. workpiece length (in)	31.50/43.31/59.06
Max. work piece diameter (in)	ø20.47

Spindle

Max. speed (rpm)	3500
Spindle nose	A2-8
Spindle bore diameter (in)	ø3.58
Through spindle bore diameter (in)	ø2.95

Travels

X Rapid traverse (in/min)	1181,1
Z Rapid traverse (in/min)	1181,1
X Travels (in)	10.24+0.39
Z Travels (in)	33.46/45.28/61.02

Tool holder

Type	Servo Turret
Tools	12
Tool shank size (in)	0.98×0.98
Tool shank diameter (in)	ø1.57
Min. Tool to Tool (s)	0,2
Max. Tool to Tool (s)	0,5
Max. Live Tooling Speed (rpm)	5000
Live Tooling Model	BMT55

Tail stock

Tail Stock Rapid Traverse (in/min)	393,7
Sleeve taper	MT5

Accuracy

Finish turning cylindrical accuracy	IT6
Finish turning parts surface	Ra 0.40-1.60
Finished turning parts roundness (in)	≤0.000118
Position accuracy X (in)	0,000197
Position accuracy Z (in)	0,000315
Repeat accuracy X (in)	0,000079
Repeat accuracy Z (in)	0,000157

Other data

Machine weight (lb)	13669/14991/15917
Machine dimensions L × W × H (in)	(138.66/152.44/157.17)×78.03×69.76