

GARNET Mini

3 Axis NC Compact Profile Machining Center



FEATURES

Garnet Mini is a compact machining center with parametric program templates developed to perform various drilling and milling operations on Aluminum and Vinyl (PVC) profiles.

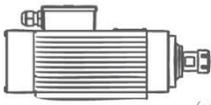
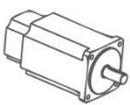
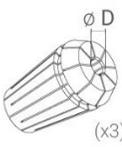
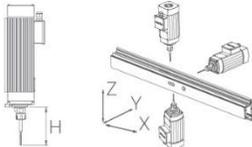
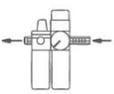
Thanks to its 3 independent spindle motors on the top, bottom and side, where operator doesn't need to rotate profile through the process.

Standard Equipment

- Pneumatic Clamps (2 pcs top, 2 pcs front)
- 3 piece 1/4" milling cutters
- Right and left profile gauge
- Laser marking

Optional Equipment

- 3/16", 1/4", 5/16" and 3/8" milling cutters

 (x3)				 (x3)				 (x3)										
HP kW	n r.p.m	Hz	I (230 V)	HP kW	n r.p.m	Hz	I (230 V)	∅ D max.	H	X	Y	Z	Air Pressure	Air Consumption	Gross Net			
4 3	18000	300	7 A	1 0,75	3000	50	4,6 A	1/2"	4 5/8"	13 3/4"	5 15/16"	4 3/4"	100 psi	11 Gal / min.	2200 lbs 1764 lbs			

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MACHINING LENGTHS

X Axis (Longitudinal)	13 ³ / ₄ " (350mm)
Y Axis (Lateral)	5 ¹⁵ / ₁₆ " (150mm)
Z Axis (Vertical)	4 ³ / ₄ " (120mm)

POSITIONING SPEED

X Axis (Longitudinal)	13 ³ / ₁₆ " (30m) / min
Y Axis (Lateral)	13 ³ / ₁₆ " (30m) / min
Z Axis (Vertical)	13 ³ / ₁₆ " (30m) / min

SPINDLE

Spindle with Cooling Fan	3
Maximum Power	5 kW
Maximum Rotation Speed	18.000 rpm
Tool Holder	ER 20

PROFILE POSITIONING

Xmax / Xmin (Longitudinal)	- / 26"
Ymax / Ymin (Lateral)	5 ¹⁵ / ₁₆ " / -
Zmax / Zmin (Vertical)	4 ³ / ₄ " / -

PROFILE POSITIONING

Right and Left Profile Gauge	•
Laser Marking	•

PROFILE POSITIONING

Right and Left Pneumatic Profile Reference Alignment	•
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AIR

Pressure	6-8 Bar
Consumption	11 Gal / Min

ELECTRICAL

Maximum Power	12 kW
Voltage	220V
Frequency	50 – 60 Hz

CONTROL UNIT

HMI Touchscreen	10"
Data Transfer via USB	•
Smart CAM Post Processing	○

OPERATIONAL AREA

Clamps, standard quantity	4
Automatic Lubrication in Processing Area	•
Guard Cabin for Machining Area	•

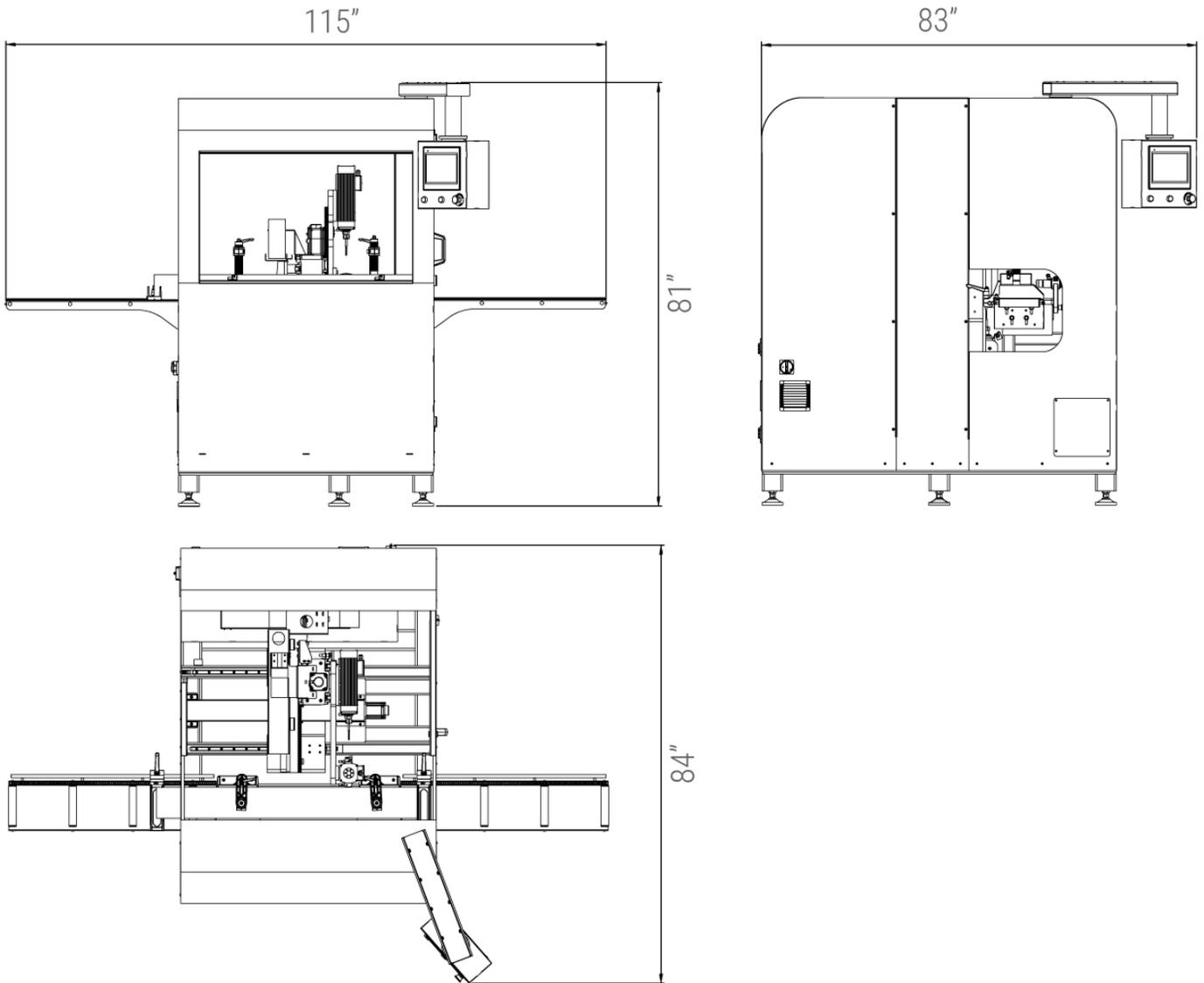
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DIMENSIONS



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