

GARNET Mini with COMET GM



Semi-automatic Servo Controlled Profile Gauge



FEATURES

Our COMET GM Gripper/Pusher, which features servo-controlled profile referencing, is compatible with our GARNET Mini machine. It simplifies referencing the profile on the machine and can perform automatic referencing on profiles up to 118".

The desired measurement can be entered on the screen, and the machine can automatically and accurately move to that measurement. After completing the connection of our COMET GM machine, the profile is first placed into the machine by the operator. Then, the desired measurement is entered on the screen, and the "GO" button is pressed to ensure the precise positioning of the profile support.

Next, we bring the profile to the profile support at the desired position and obtain our reference. After determining the operations we want to perform on the profile on the screen, we start the operations, ensuring they are completed very quickly. (Standard operations image on page 2) The operator takes the processed profile from the left side of the machine and prepares it for other operations on the machine.

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

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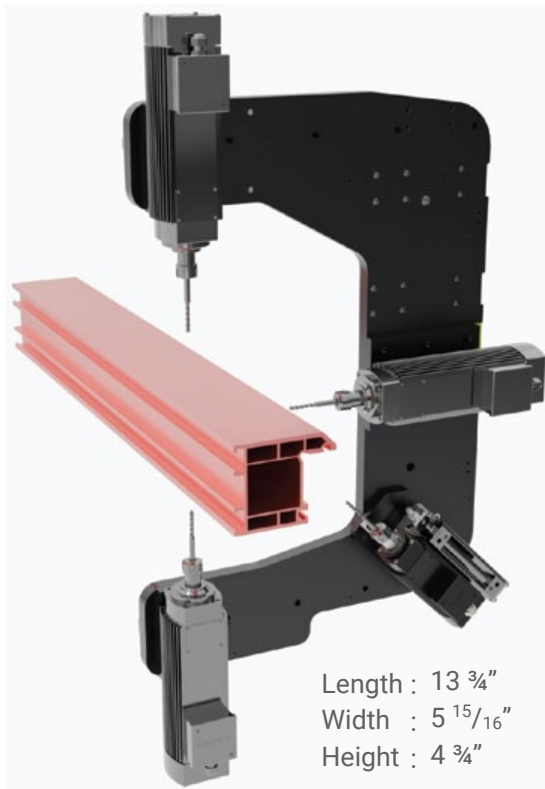
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HP kW	n	Hz	I (230 V)	HP kW	n	Hz	I (230 V)	∅ D max.	H	X	Y	Z	Air Pressure	Air Consumption	Gross Net
4 3	18000 r.p.m	300	7 A	1 0,75	3000 r.p.m	50	4,6 A	1/2"	4 5/8"	13 3/4"	5 15/16"	4 3/4"	100 psi	11 Gal / min.	2200 lbs 1764 lbs

PROCESSING CAPACITY & MILLING BIT DIMENSIONS



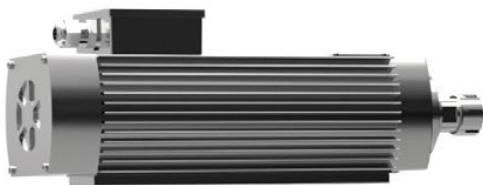
STANDARD PROCESSING

Key Hole

TOP BACK BOTTOM ID 2002 2000

Description
Profile Type
Profile Name

Y	35.000 mm	Depth	2.000 mm	Spindle Speed	10000 RPM
Z	60.000 mm	Diameter	25.000 mm	Step	0.000 mm
		Length	35.000 mm		
		Width	10.000 mm	CCW	<input type="checkbox"/>
		Angle	0.00		0 90 180 270



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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)
XL Axis	157 ¹ / ₂ " (4000 mm)

POSITIONING SPEED

X Axis (Longitudinal)	98' (30m) / min
Y Axis (Lateral)	98' (30m) / min
Z Axis (Vertical)	98' (30m) / min
XL Axes(Driver Robot)	131' (40m) / 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	•
Laser Marking	•

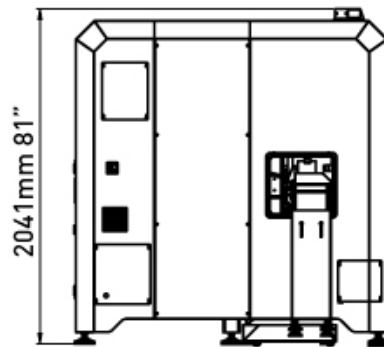
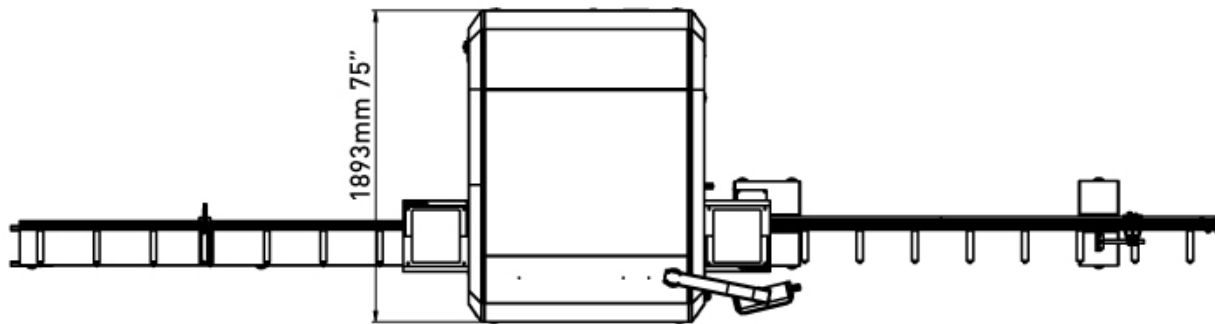
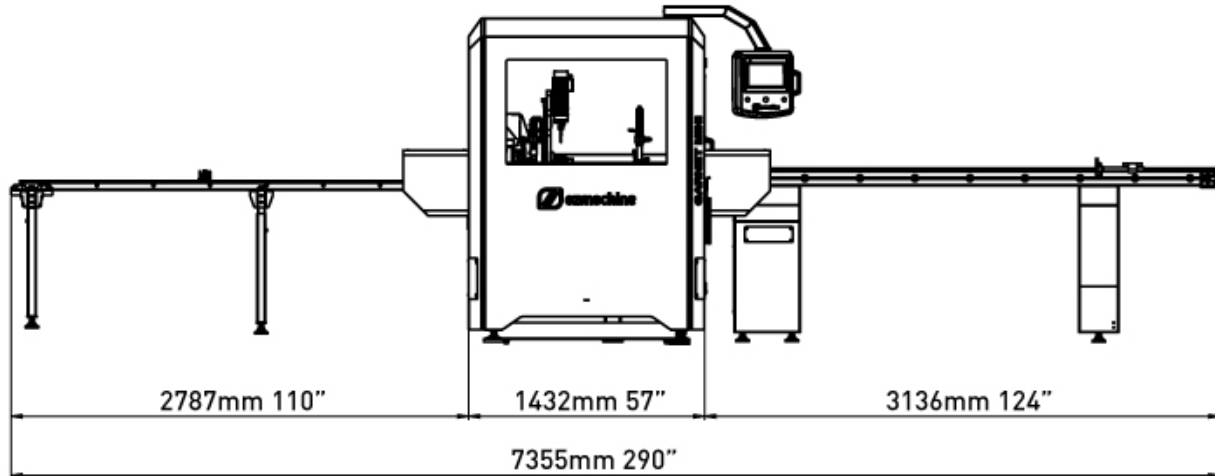
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DIMENSIONS



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