

GARNET Mini D

4 Axis NC Compact Processing Center

FEATURES

Compact milling center, on the 3 surfaces of the aluminum and plastic profiles, with parametric program templates, developed to perform operations such as lock, handle, hinge, latch slot and opening processes. Its fourth motor also enables 45° water drainage opening on PVC profiles.

- 10" Touchscreen
- Easy to program user interface
- Easy profile positioning with gauge and laser marking
- Spindle motors running independently on 3 different surfaces

STANDARD EQUIPMENT

- Cooling system
- Horizontal and vertical pneumatic clamps (2 pcs top, 2 pcs front)
- 3 piece 6mm milling cutters
- Right and left profile gauge
- Laser marking

OPTIONAL EQUIPMENT

- 5, 6, 8 and 10 mm milling cutters
- Servo Control Profile Support

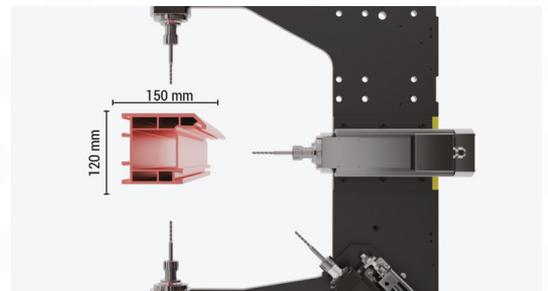
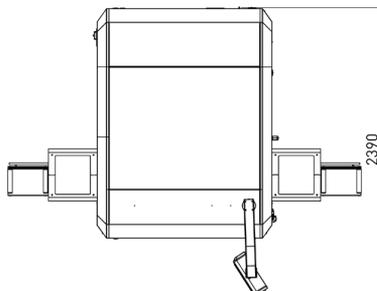
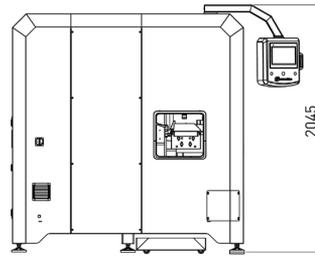
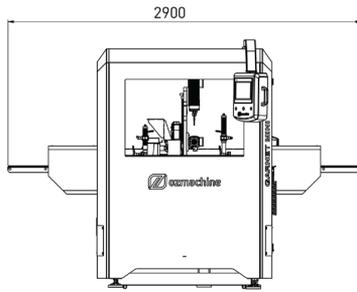


YouTube



WEB

| Motor 1 | | | | Motor 2 | | | Motor 3 | | | | Spindle | | | | Air | | Weight | |
|---------|-------|-----|-----------|---------|-------|-----|---------|-------|----|-----------|----------|--------|--------|--------|--------|--------------|-----------------|-----------|
| HP | n | Hz | I (230 V) | HP | n | Hz | HP | n | Hz | I (230 V) | ∅ D max. | H | X | Y | Z | Air Pressure | Air Consumption | Gross Net |
| 4 | 18000 | 300 | 7 A | 0.55 | 18000 | 300 | 1 | 3000 | 50 | 4,6 A | 13 mm | 118 mm | 350 mm | 150 mm | 120 mm | 6 - 8 bar | 40 L / dk. | 1000 kg |
| 3 | r.p.m | | | | r.p.m | | 0,75 | r.p.m | | | | | | | | | | 800 kg |



GARNET Mini D

4 Axis NC Compact Processing Center

MACHINING LENGTHS

| | |
|-----------------------|--------|
| X Axis (Longitudinal) | 350 mm |
| Y Axis (Lateral) | 150 mm |
| Z Axis (Vertical) | 120 mm |

POSITIONING SPEED

| | |
|-----------------------|----------|
| X Axis (Longitudinal) | 30 m/min |
| Y Axis (Lateral) | 30 m/min |
| Z Axis (Vertical) | 30 m/min |

AIR

| | |
|-------------|------------|
| Pressure | 6-8 Bar |
| Consumption | 40 L / min |

ELECTRICAL

| | |
|---------------|----------------|
| Maximum power | 12 kW |
| Voltage | 400V 3P, PE AC |
| Frequency | 50-60 Hz |

SPINDLE

| | |
|--------------------------|------------|
| Spindle with cooling fan | 3 |
| Maximum power | 3 kW |
| Maximum rotation speed | 18.000 rpm |
| Tool holder | ER 20 |

PROFILE POSITIONING

| | |
|------------------------------|---|
| Right and left profile gauge | • |
| Laser marking | • |

PROFILE TIE-DOWN MEASUREMENTS

| | |
|----------------------------|------------|
| Xmax / Xmin (Longitudinal) | - / 660 mm |
| Ymax / Ymin (Lateral) | 150 mm / - |
| Zmax / Zmin (Vertical) | 120 mm / - |

CONTROL UNIT

| | |
|---------------------------|-----|
| Touchscreen | 10" |
| Data transfer via USB | • |
| Smart CAM post processing | ○ |

OPERATIONAL AREA

| | |
|--------------------------------|---|
| Clamps, standard quantity | 4 |
| Automatic Tool cooling system | • |
| Guard cabin for machining area | • |

• Standard ○ Opsiyonal