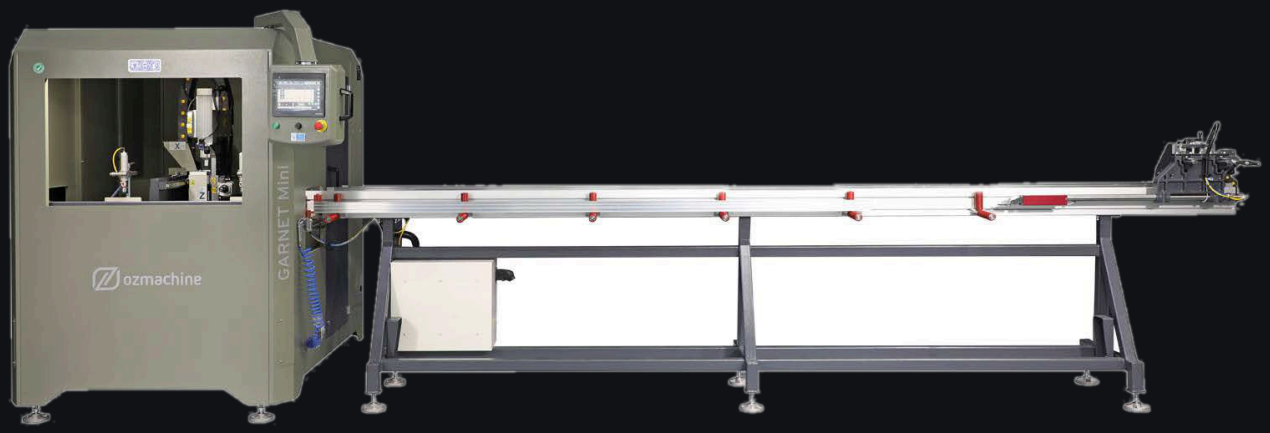
OZ MACHINE USA

GARNET Mini with COMET Plus

Semi-Automatic Servo-Controlled Profile Feeding



The GARNET Mini with the COMET Plus gripper / pusher, a semi-automatic servo-controlled feeder that positions the profile for operations in different areas along its length. It feeds profiles up to 13 ft (4 m).

157.5"	3 spindles	18,000 rpm	10"
Feeder travel (XL)	Top, bottom, side	Spindle speed	HMI touchscreen

KEY FEATURES

- Servo-controlled feeder, set on screen
- Sensor-triggered profile gripping
- Profile gauge, 4 pneumatic clamps
- Gripper adjusted by two handwheels
- Five standard operations on the screen
- 10" HMI touchscreen, USB data transfer

WATCH IT RUN
GARNET Mini with COMET Plus video on the Oz Machine USA YouTube channel
youtu.be/aLD8zNkSd80

Spindles	Voltage	Air	Max. power
3 × 3 kW · 18,000 rpm	220V, 60 Hz	1.5 CFM · 100 psi	12 kW

TECHNICAL DATA

GARNET Mini with COMET Plus

Semi-Automatic Servo-Controlled Profile Feeding

OZ MACHINE USA

MACHINING LENGTHS

X axis (longitudinal)	13.8" (350 mm)
Y axis (lateral)	5.9" (150 mm)
Z axis (vertical)	4.7" (120 mm)
XL axis (feeder robot)	157.5" (4000 mm)

POSITIONING SPEED

X / Y / Z axes	98 ft/min (30 m/min)
XL axis	131 ft/min (40 m/min)

SPINDLES

Spindles with cooling fan (top, bottom, side)	3
Power, each spindle	3 kW (4 HP)
Maximum rotation speed	18,000 rpm
Tool holder	ER 20
Weep hole motor	○

PROFILE DIMENSIONS

Length, max. / min.	– / 26" (660 mm)
Width, max.	5.9" (150 mm)
Height, max.	4.7" (120 mm)

COMET PLUS FEEDER

Servo-controlled profile feeding	●
Feeding length, max.	157.5" (4000 mm)
Manual gripper adjustment (2 handwheels)	●
Machine width without / with control panel arm	75" / 92"

PROFILE REFERENCING & CLAMPING

Right and left profile gauge	●
Right and left pneumatic profile reference alignment	●
Laser positioning pointer	●
Pneumatic clamps (2 top, 2 front)	4

TOOLING

Milling cutters, 3 × 1/4" (6 mm)	●
Milling cutter set 3/16", 1/4", 5/16", 3/8"	○

CONTROL UNIT

HMI touchscreen	10"
Parametric program templates	●
Data transfer via USB	●
Smart CAM post processing	○

OPERATIONAL AREA

Guard cabin for machining area	●
Automatic lubrication in machining area	●

AIR & ELECTRICAL

Voltage	220V, 60 Hz
Maximum power	12 kW
Air pressure	100 psi
Air consumption	1.5 CFM

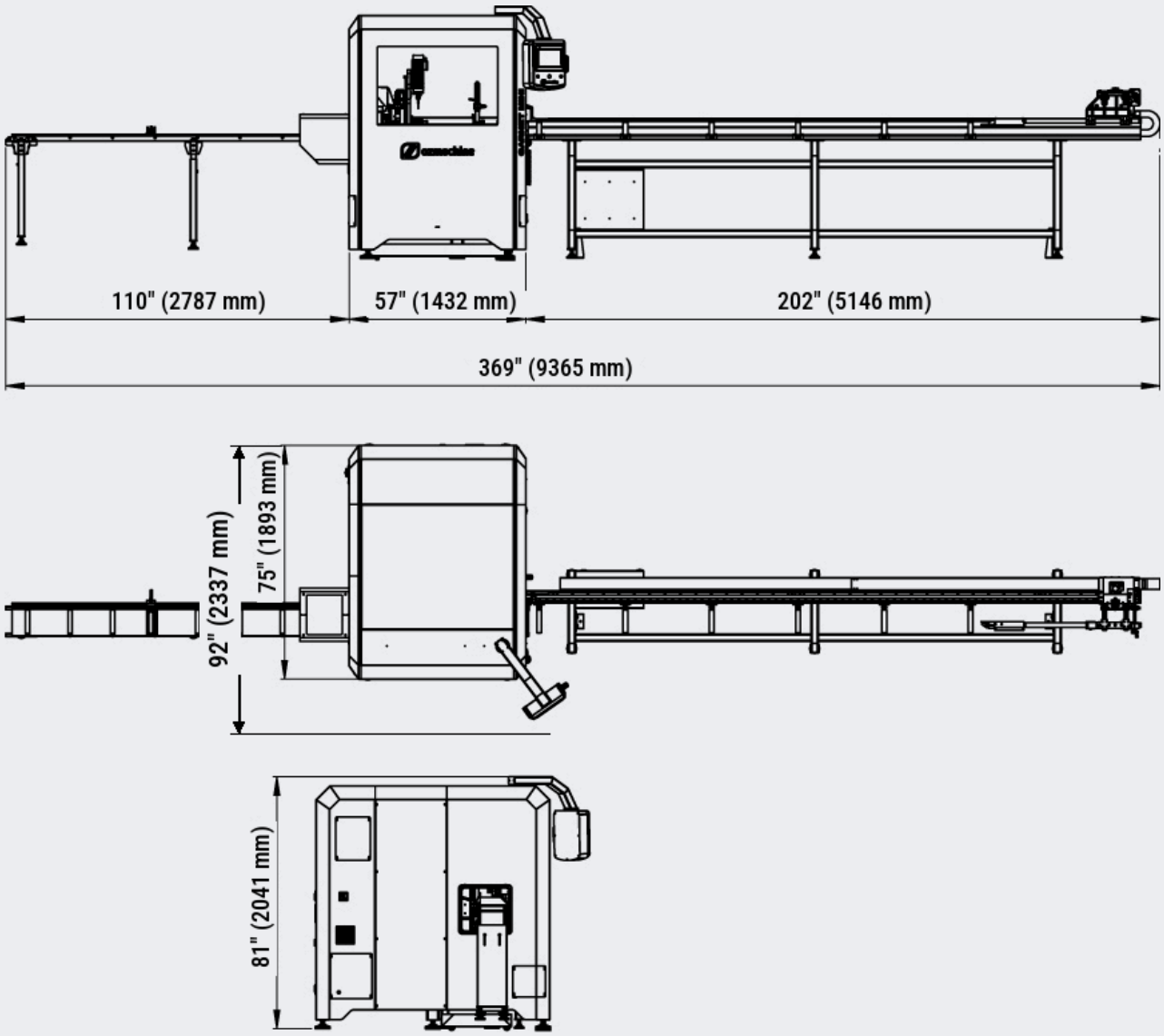
● Standard ○ Optional

GARNET Mini with COMET Plus

Semi-Automatic Servo-Controlled Profile Feeding

OZ MACHINE USA

LAYOUT PLAN



Dimensions in inches (millimeters). Width 75" (1893 mm) without the control panel arm, 92" (2337 mm) with the arm.

OZ MACHINE USA
2690 West 3rd Court, Hialeah, FL 33010
+1 833-390-0060 (toll-free) · sales@ozmachineusa.com

USA · CANADA · MEXICO

Product data, descriptions and illustrations may change without prior notice.