OZ MACHINE USA

GARNET PORTA

Door Leaf Machining Center (4 Axis)



A 4-axis machining center for door leaves: drilling, slot milling and machining of the top, back and bottom surfaces with a servo-controlled spindle. A servo robot loads the leaf, vertical pneumatic pistons hold it, and the finished leaf leaves on the output conveyor. Door leaves up to 141.7" long and 55.1" wide.

141.7"	55.1"	4 axes	FANUC
Max. door length	Max. door width	Servo spindle	CNC control

KEY FEATURES

- + Door leaf height up to 5.9", surface width up to 7.9"
- + Input conveyor right, output conveyor left
- + FANUC control with preset operations
- + Servo robot loading and referencing
- + Vertical pneumatic door clamping
- + Second side: flip on ball conveyor, robot re-references

WATCH IT RUN
GARNET PORTA video on the Oz Machine USA YouTube channel
youtu.be/sYCtbKFT22Q

Spindle	Voltage	Air	Weight
4.5 kW · 18,000 rpm	220V 3P, 60 Hz	1.4 CFM · 100 psi	3,384 lb

TECHNICAL DATA

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DOOR LEAF CAPACITY

Maximum length	141.7" (3600 mm)
Maximum width	55.1" (1400 mm)
Maximum height	5.9" (150 mm)
Surface width, max.	7.9" (200 mm)

MACHINING STROKES

X axis	15 3/4"
Y axis	15 11/16"
Z axis	21 7/16"
A axis (spindle rotation)	0°–180°

SPINDLE

Servo-controlled 4-axis spindle	•
Power	4.5 kW / 6 HP
Maximum rotation speed	18,000 rpm

OPERATIONS

Drilling	•
Slot milling	•
Top, back and bottom surface machining	•

HANDLING

Servo robot loading and referencing	•
Input conveyor (right side)	•
Output conveyor (left side)	•
Horizontal ball conveyor for the second side	•
Vertical pneumatic door clamping	•

CONTROL UNIT

FANUC CNC control	•
Preset operations, values entered on screen	•
Robot position adjustment on screen	•

AIR & ELECTRICAL

Voltage	220V 3P, 60 Hz
Air pressure	100 psi
Air consumption	1.4 CFM

WEIGHT

Machine weight	3,384 lb

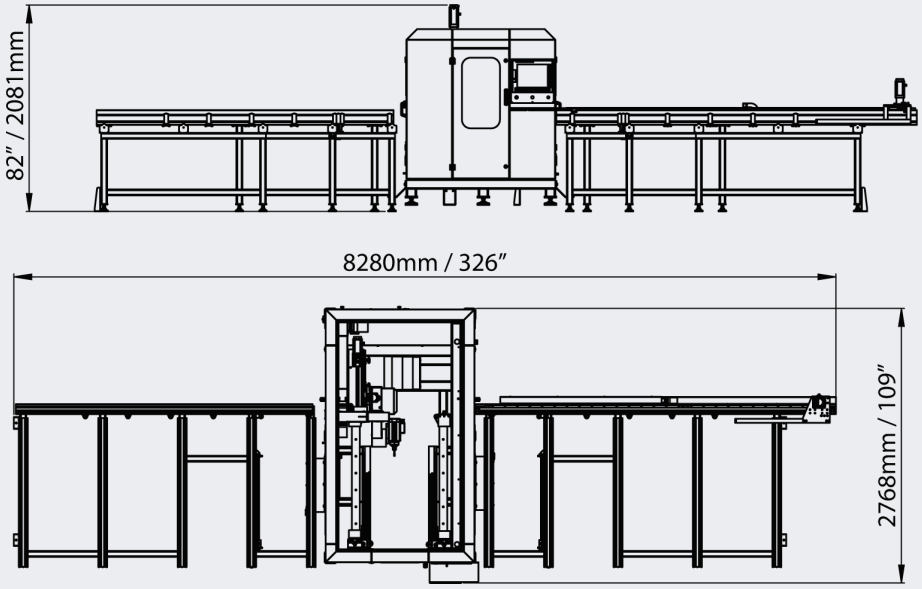
• Standard ○ Optional

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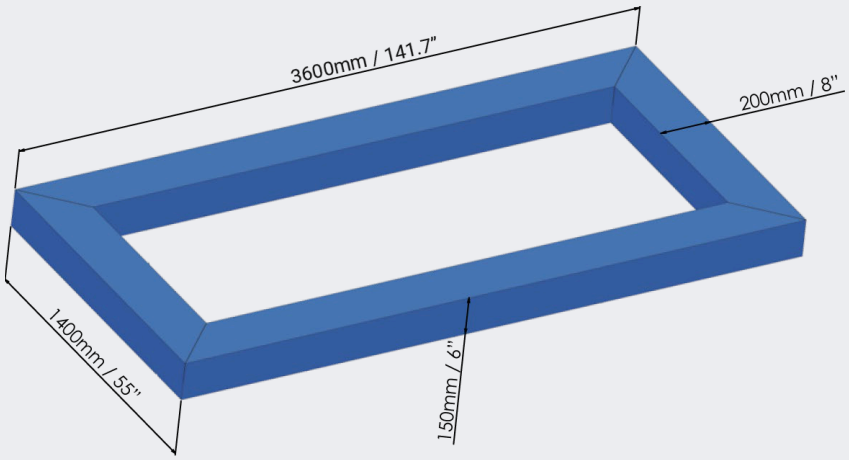
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TECHNICAL LAYOUT



Dimensions in millimeters and inches.

DOOR LEAF CAPACITY



Maximum door leaf: 141.7" x 55.1" x 5.9", surface width up to 7.9".

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