



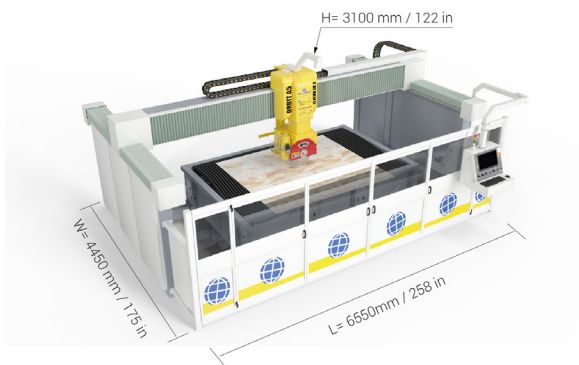
Orbit A5 Sawjet

CNC Waterjet System

The Orbit A5 is a world-class stone fabrication center and includes everything that a technologically advanced bridge saw requires today.

The Orbit A5 CNC Sawjet is a fully interpolated 5-axis bridge saw. The Y-axis is moved by a gantry system that guarantees a perfect square of the bridge. Automatic head rotation from 0° to 400° combined with automatic blade tilting from 0° to 90° makes it suitable for large production runs, at the same time controlling costs and preventing over-cuts.

A state of the art transmission guarantees the absolute precision of the movements on a linear ball guide, moved by brushless motors through high precision helical gears and racks.



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DETAILS

- S5 interpolated axis, spindle with half-inch fitting with trough-spindle lubrication
- Tilting table up to 85°
- Vacuum manipulator system for parts movement during the automatic cutting process
- On-board camera
- Blade presetting stone thickness probe

TECHNICAL DATA

Workable area (x,y,z)	3700,2800,380 mm/146,110,15 in
Workable area (A°,B°)	360°,90°
Sawjet table size	3500,2100 mm/137.8,82.7 in
Sawjet water pressure required	2 bar / 29 psi
Max. blade diameter	500 mm/20 in
Overall dimensions	6550x4450x2800 mm/258x175x110 in
Max. cut thickness vertical	150 mm/5.9 in
Cutting disc hole diameter	50 mm/1.96 in
Electric spindle power	11 kw (s3)
Electric spindle torque	60 nm (s3)
Max. cutting speed	30,30,7.5 m/min / 98,98,24 ft/min
Ma.x return speed	3600°/min
Air pressure required	7 bar / 102 psi
Total weight	6500 kg/14330 lbs
Water consumption	15-25 l/min or 4-6.5 gal/min
Vacuum cups	4 number
Vacuum lift capacity	500 kg/10100 lbs
Max. install power	16 kw / 21 hp
Max. spindle rotation	6000 rpm
Power requirements	57 kw / 220 v / 3phase