

# Orbit B5 Bridge Saw

## CNC Saw System

**The Orbit B5 continues on the excellence in the A5 series but offers a smaller footprint as a manufacturing facility begins to leap into modernization.**

The absolute precision of the movements is guaranteed by a state of art transmission on a linear ball guide, moved by brushless motors through high precision helical gears and racks. The Orbit B5 comes with the “absolutely zero” technology, which allows the machine to work without doing the homing process. It also has an extremely user-friendly interface, designed to facilitate easy interaction between operator and machine.

The ORBIT B5 imports and works with DXF (standard AutoCAD file) and G-Code (RS-27 4 machine tool programming language), but can also perform simple cuts in manual mode.

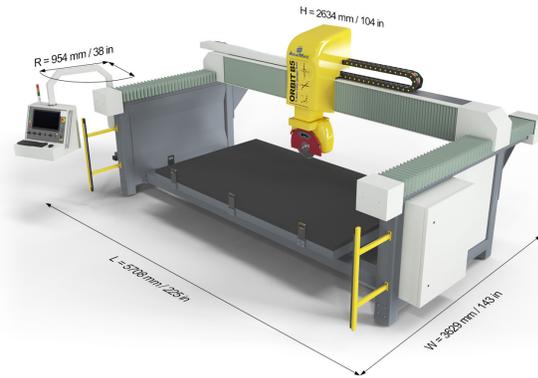
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### DETAILS

- Fully interpolated 5-axis bridge saw
- Head rotation from 0° to 400° combined with blade tilting from 0° to 90° makes it suitable for any job, including large production runs, while at the same time containing costs



### TECHNICAL DATA

Workable area (x,y,z)	3570,2400,330 mm/140,95,13 in
Workable area (A°,B°)	360°,90°
Max. blade diameter	500 mm/20 in
Overall dimensions	5708x3629x2634 mm/225x143x104 in
Max. cut thickness vertical	150 mm/5.9 in
Cutting disc hole diameter	50 mm/1.96 in
Cutting disc flange diameter	160 mm/6.29 in
Electric spindle power	11 kw (s3)
Electric spindle torque	60 nm (s3)
Max. cutting speed (x,y,z)	26,26,2.5 m/min / 85,85,24 ft/min
Max. return speed (A&B)	3600°/min
Air pressure required	7 bar / 102 psi
Total weight	5500 kg/12125 lbs
Water consumption	15-25 l/min or 4-6.5 gal/min
Max. install power	15 kw / 20 hp
Max. spindle rotation	6000 rpm
Power requirements	18 kw / 220 v / 3phase