

BIGZEE CUTTER PR series: (PRECISION)

- Professional and user friendly cutter controller BPCS (BIGZEE Professional Control System)
 - Gantry position auto alignment
 - Machine settings remote diagnostics via Internet
 - Universal tool module (UM)
 - Tangential knife for heavy materials (up to 5mm thickness) cutting
 - X1, X2, Y axes powerful stepper motors; X and Y axes free movement speed up to 30m/min (depending on specification)
 - Z and A axes precise servo motors
 - X1, X2, Y axes helical racks
 - Z axis ball screw assembly
 - Z axis electro-magnetic brake
 - Tool length measure switch
 - Special cutting PAD for knives; 4mm thickness
 - PVC special table coating 10mm thickness for milling works
 - Vacuum bed (4-12Kw depending on the working table size)
 - High flexible (rank 6) cables with special sheath for long lasting life time

**Additional options****Spindles:**

- 1.5 kW, (collet ER-16), 24 000 rpm with air cooling fan
- 2.2 kW, (collet ER-20), 24 000 rpm with air cooling electric blower

Universal tool modules:

- Additional universal tool module (UM)
- V-cut universal heavy duty module (VUM)

Tools:

- Electric Oscillating Tool (EOT 1.0 mm), compatible with UM, VUM
- Electric Oscillating Tool (EOT 4.0 mm), compatible with UM, VUM
- Electric Oscillating Tool (EOT 6.0 mm), compatible with UM, VUM
- Heavy Duty angle cutting tool V-CUT 45°, compatible with VUM
- Heavy Duty angle cutting tool V-CUT 0°, compatible with VUM
- Kiss-Cut drag knife, compatible with UM, VUM
- Heavy duty Kiss-Cut tangential knife, compatible with UM, VUM
- Creasing wheel of 3 different profiles D50mm, compatible with UM, VUM
- Perforation wheel, with assembling kit

Registration mark cutting options

- Contour cutting system based on cutter controller (BPCS)
- BIGZEE Vision professional contour cutting system

Suction and Cooling systems

- Spindle aspiration hood with tubing for chip collection (without dust collector)
- Tool cooling system with sump and liquid level sensor
- Tool cooling system INTELECT with sump and liquid level sensor

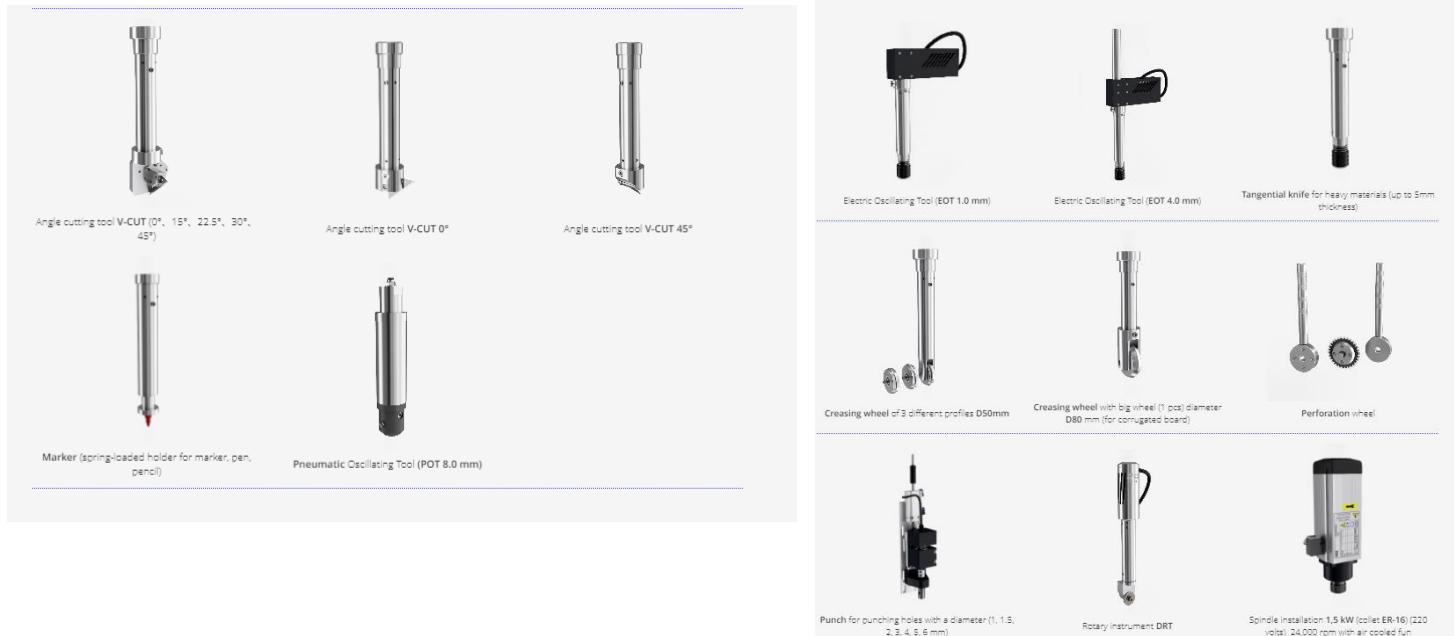
Motion and Measurement Systems

- Planetary reduction gear (Japan) for stepper motors 1:8
- Rack and pinion movement stabilization system
- Servo motors (Japan) X1, X2, Y axes free movement speed 68-90 m/min depending on specification

Specific features

The machine is designed with an extremely strong steel frame at it's core. This gives it the strength to take advantage of the specially designed vacuum chamber table produced from precision milled profiles with an aluminium coating. This provides for an extremely flat and stable vacuum table. To protect the table, for a long service life, the machine is also supplied with a foam pvc sacrificial layer and a special coated cutting pad for even better tool life. The powerful stable beam (gantry) of the big cutter series reduces vibrations, ensures the longest possible tool life and highest cut quality.

Tool set



Available sizes BIGZEE CUTTER (mm)



Roll tables (conveyor)



Roll tables with extenders



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