



## ABRASIVE MACHINING CENTER

Jet Edge's Abrasive Machining Center (AMC) produces complex parts out of virtually any material. It is ideal for producing high-volume, short run, or prototype parts.

### Construction

The AMC frame is a steel structure designed for rigidity and accuracy. This system, which uses brushes, labyrinth passages, lip seals, and high-volume, low-pressure filtered air to protect critical motion components, provides significantly longer service life compared to conventional bellow-type arrangements. The AMC isolates the catcher tank from the motion system so the energy from the cutting stream does not disrupt the mechanics of the motion system.

### Standard Features

- Pass through design allows system to be used as cutoff for long material
- Lip seals over motion mechanicals eliminate troublesome bellows
- Heavy duty welded steel construction for rigidity and accuracy
- 6" manual Z-axis
- +/-0.005" positioning tolerance
- +/-0.001" bi-directional repeatability tolerance
- 300 Inches Per Minute Contouring and Rapid Positioning
- PC-based waterjet controller
- SigmaNEST™ CAD/CAM Software

### Specifications

- AMC table size: 30" x 48"
- XY Motion: work envelope is 1" larger on both axes
- 6" Manual Z axis
- Closed Loop DriveSystem on X & Y Axis:
- DC Brushed Servo Motors
- Preloaded anti backlash recirculating ball screws
- THK Linear Bearings with hardened precision ground ways
- Split Y-axis drive system (dual motors)
- +/- 0.005" Accuracy of Motion Over Entire Travel
- +/- 0.001" Accuracy Over 12 Inch Travel - Per Axis
- +/- 0.001" Repeatability (Bi-directional)
- 300 IPM Contouring and Rapid Positioning



- Squareness/Straightness 0.0005" per foot
- Backlash 0.0004" Maximum
- 15 AMPS, 110 VAC, 1PH, 60 Hz
- High Pressure Whip Delivery System
- Positive Pressurized formed steel protective covers with Labyrinth
- Lip Seal design
- High Pressure Table Plumbing with Hand Valve
- Abrasive Catcher Tank



Specifications subject to change.



[www.jetedge.com](http://www.jetedge.com)  
+1-763-497-8700 | 1-800-JET-EDGE  
[sales@jetedge.com](mailto:sales@jetedge.com)