

A-Jet

Multi-Axis Cutting Head



The OMAX A-Jet[®] is a complete software-controlled multi-axis cutting head that features the flexibility to automatically compensate for taper as well as cut severe angles up to 60° off vertical. The A-Jet cuts countersunk holes and precision shapes with beveled edges at angles specified by the user. The A-Jet cutting head supplies additional axes of motion, allowing the operator to fabricate and shape metal edges for weld preparation. The dynamic A-Jet is capable of a high level of positioning accuracy, resulting in parts that need no secondary finishing.



The A-Jet makes cutting bevels simple, and software controls help to eliminate taper.



Precise and complex three-dimensional parts become a reality with the OMAX A-Jet.

3D Functionality

With the A-Jet, 3D parts are now possible on an abrasive waterjet. The continuous precision 5-axis movement of the A-Jet cutting head allows for detailed 3D shapes to be cut from a wide variety of materials. With the combination of the A-Jet and the optional Rotary Axis, the OMAX JetMachining Center[®] becomes even more versatile, allowing for complex and challenging 3D shapes to be cut, such as beveled pipe fittings.

Features & benefits

- Cutting angle ranges from 0° to 60°
- Three modes of taper compensation
- Features a fixed focal point design, where the XYZ axes do not need to move as the head tilts
- Supplied with a MAXJET[®] 5i Nozzle, which includes an OMAX High Angle Fusible Mixing Tube
- Eliminates secondary machining and grinding for fabrication processes, ideal for common welding projects
- Easily creates countersinks and weld-ready edges
- Precision angular motion can create unique 3D parts
- Fully automatic taper compensation to minimize taper on finished parts
- OMAX-unique High Angle Fusible Mixing Tube protects precision mechanism



Specifications

- 0.042" High Angle Fusible Mixing Tube standard
- Z-axis travel: 6" (152mm), up to 8" (203mm) when using shorter table slats in the Catcher Tank

Requirements

- An OMAX or MAXIEM® JetMachining Center*
- OMAX 9-axis PC-based controller
- OMAX IntelliMAX® 18 Software Suite or later for taper compensation

*For cantilever-style OMAX JetMachining Centers, contact an OMAX sales representative for details.

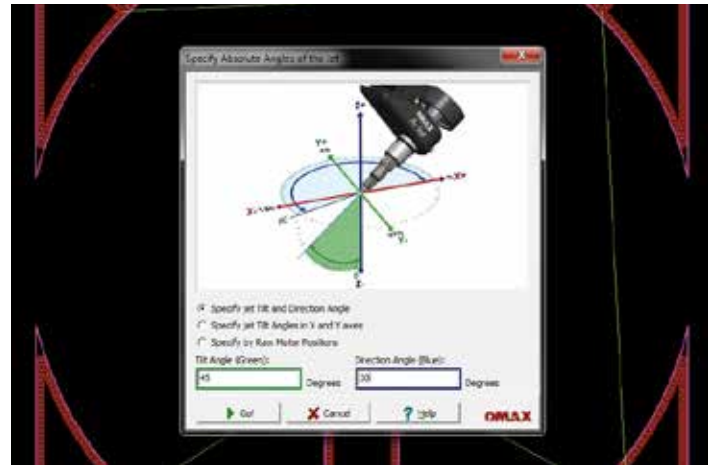


For more information, visit: www.omax.com

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MKT050



The IntelliMAX software provides full control over the A-Jet, including manual tilt and direction angle input.

Options

- Terrain Follower automatically adjusts to accommodate warped flat plate
- 0.030" Fusible Mixing Tube for finer kerf size*
- Rotary Axis allows for complex 6-axis 3D parts and precision beveled pipe fittings

*Using the 0.030" size greatly reduces mixing tube life in exchange for higher precision kerf size.

World-class service, support and innovation for advanced abrasive waterjet systems

OMAX, part of Hypertherm Associates, sets the standard for service and support in the waterjet machine tool industry. It starts with a rigorous certification program at OMAX in Kent, Washington where OMAX direct and distributor technicians are trained to install, operate and maintain OMAX abrasive waterjet systems. OMAX engineers continue to innovate technology for abrasive waterjet machining, from proven 4th generation pump designs to cutting edge drive systems with micron-level accuracy. Customers have a number of contact options to suit their schedules and needs, including an extensive library of online resources. With the largest abrasive waterjet support network in the world, OMAX continues to shape the future of waterjets.

To see how an OMAX abrasive waterjet system can save you time and money, call or visit our website and request a free part analysis today.

As 100% Associate owners, we are all focused on delivering a superior customer experience. www.hyperthermassociates.com/ownership

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