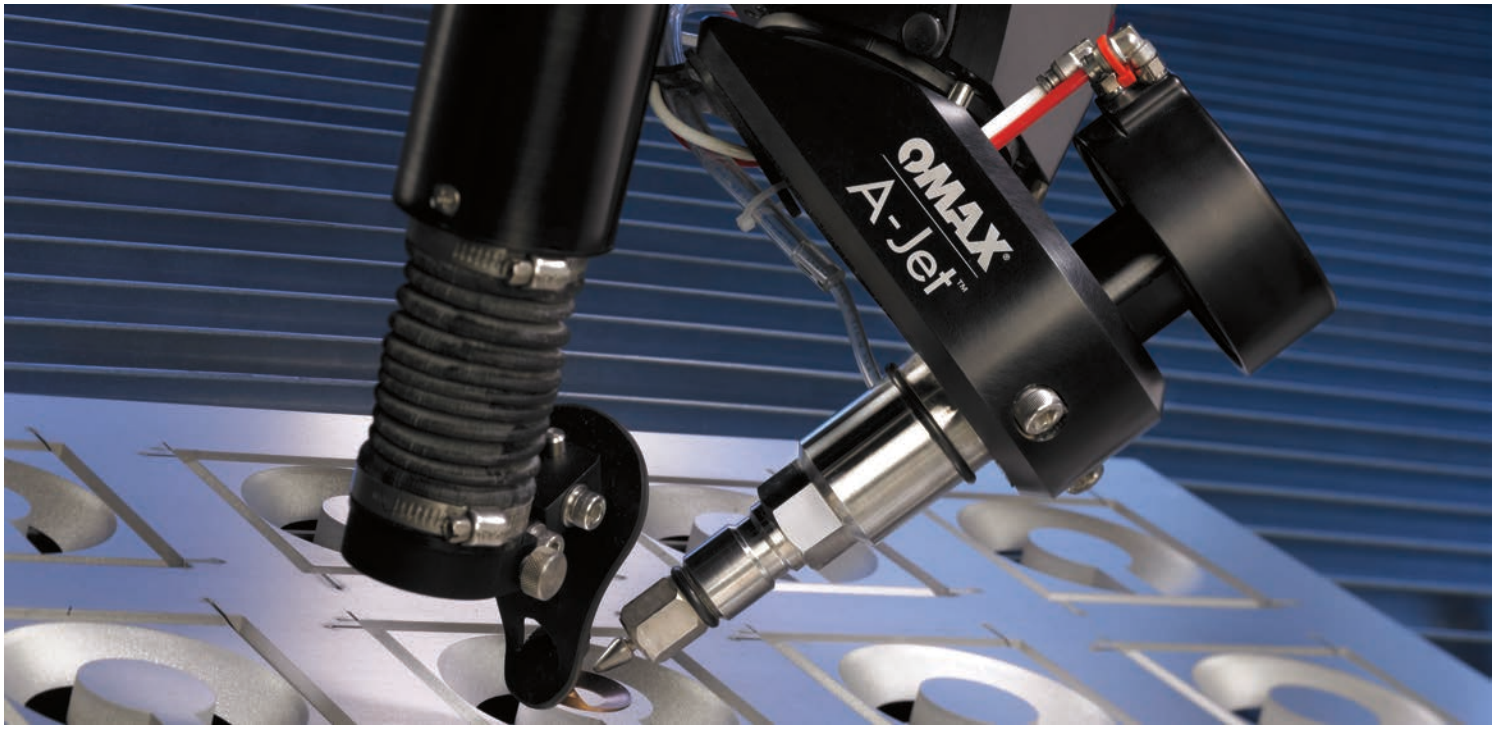
OMAX Corporation

A-JET



Shown with optional terrain follower

OMAX A-Jet

The patent-pending A-Jet® is a complete software-controlled, multi-axis accessory 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 accessory 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.

FEATURES

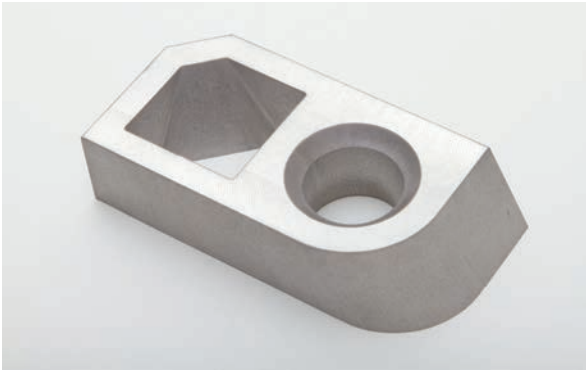
- Cutting angle ranges from 0° to 60°
- Three modes of taper compensation
- Supplied with a MAXJET® 5i Nozzle, which includes an OMAX High Angle Fusible Mixing Tube
- Designed for high flow/high power abrasive waterjet applications with multiple pumps by using large diameter tubing with minimal pressure loss
- Features a fixed focal point design, where the XYZ axes do not need to move as the head tilts

BENEFITS

- 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

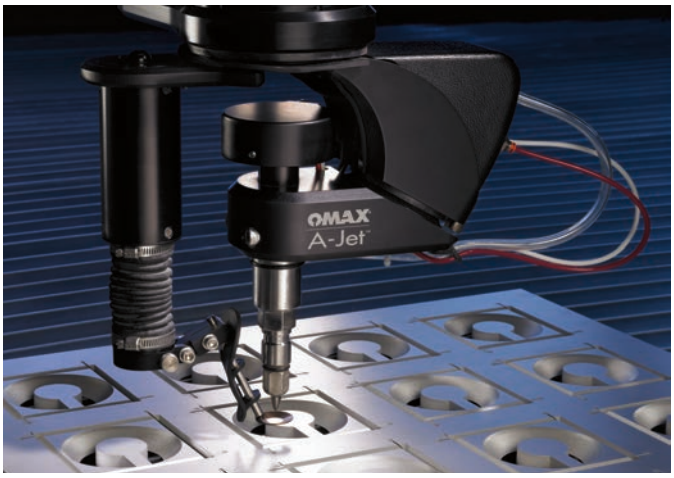
A-JET

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



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

The Intelli-MAX Software provides full control over the A-Jet, including manual tilt and direction angle input.



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.

OPTIONS

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

REQUIREMENTS

- A bridge-style OMAX JetMachining® Center (for cantilever-style OMAX JetMachining Centers, contact an OMAX sales representative for details)
- OMAX 9-axis PC-based controller
- OMAX Intelli-MAX 18 Software Suite or later for taper compensation

SPECIFICATIONS

- Positioning Accuracy: ±0.09° (±6 arc minutes)
- 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

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

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Specifications subject to change without notice.
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