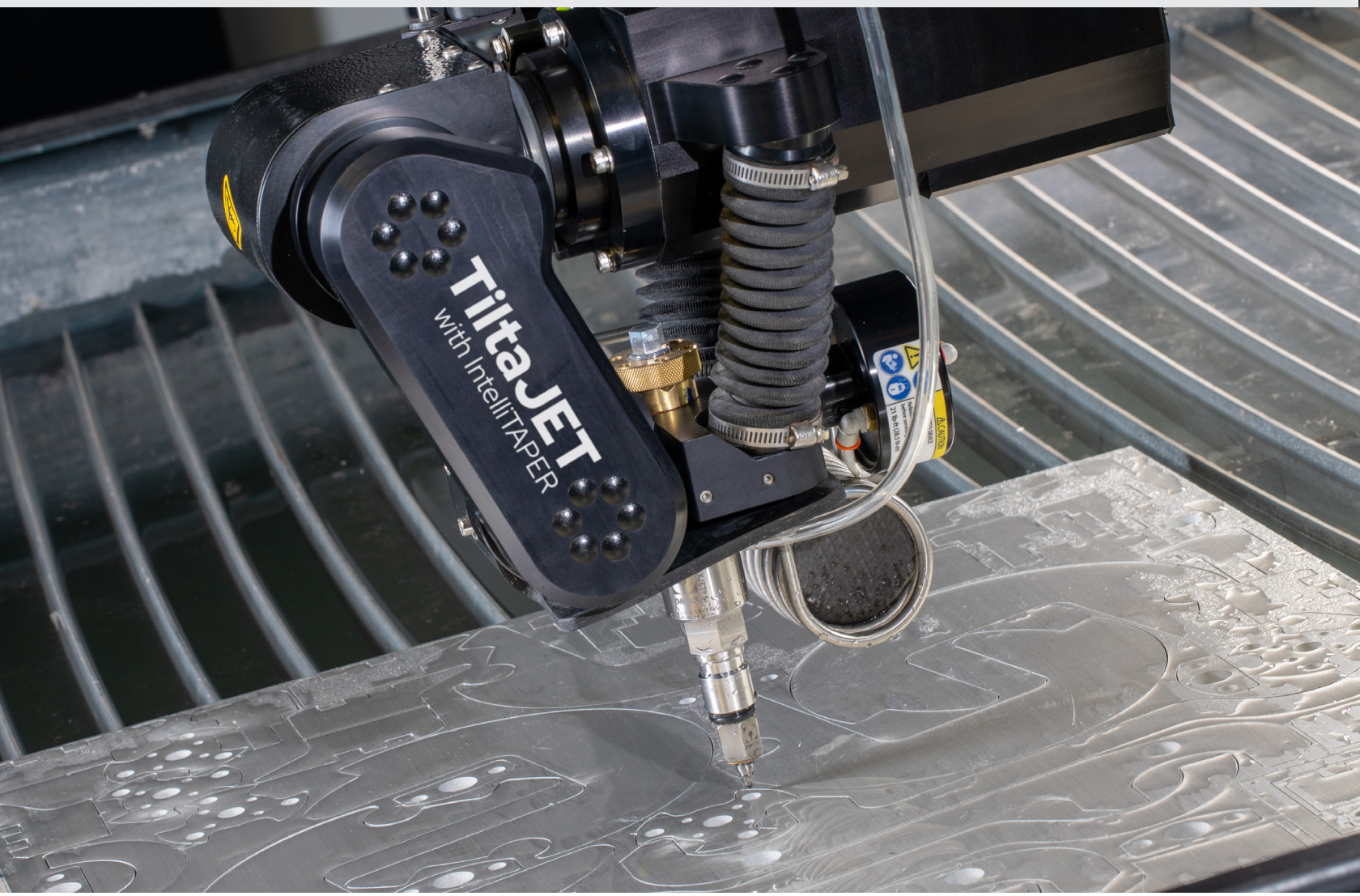
OMAX®
A Hypertherm Associates Brand

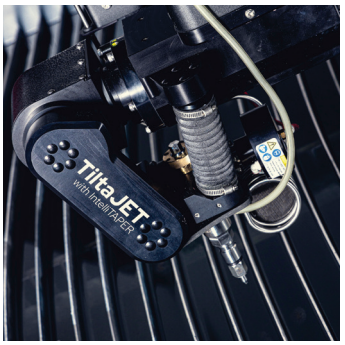
Accessory quick reference guide



Overview of the most frequently purchased accessories

Enhance your OMAX® abrasive waterjet system with innovative accessories made to optimize your productivity. Whether upgrading to a VersaJET® or TiltaJET® cutting head to best fit your application needs or adding water treatment to lengthen time between maintenance, with our extensive range of options you'll find the right addition to your waterjet to expand your capabilities and get more done.

OMAX offers a variety of accessories on all product lines, including Terrain Followers, Chillers, Drills and more. For a full list of accessories please visit www.omax.com.

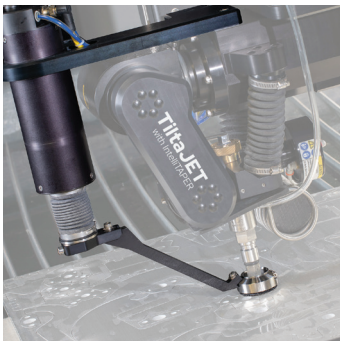


TiltaJET

The TiltaJET® enables the OptiMAX® and OMAX® JetMachining® Center to achieve virtually zero taper with most materials without programming. Predictive software calculates the type and amount of taper that will occur at each point along the cutting path. During the cutting process, the software rapidly adjusts the position of the cutting head to angle the jet stream from the nozzle so that taper is offset at each point along the path. Taper doesn't disappear it just gets moved to the scrap part of the material, leaving your part with exactly square edges.

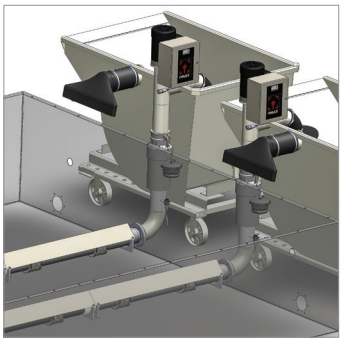
VersaJET / A-Jet

The VersaJET® and A-Jet® are completely software-controlled multi-axis cutting heads that greatly expand the versatility of the OptiMAX, OMAX, and MAXIEM® JetMachining Centers. With a cutting range from 0° to 60°, the VersaJET and A-Jet can easily cut beveled edges, angled sides, and countersinks. Advanced features in the IntelliMAX® Software Suite allow the VersaJET and A-Jet to compensate for taper and create complex 3D shapes. With their extremely high positioning accuracy, these multi-axis cutting heads are capable of cutting parts that require no secondary processing which can significantly reduce production time. The VersaJET, designed specifically for the OptiMAX, is also optimized for easier maintenance to maximize machine uptime.



Terrain Follower

The OMAX Terrain Follower allows the JetMachining Center to automatically cut all parts from materials with irregular or warped surfaces without the need for special programming. The Terrain Follower attaches directly to the cutting head. Changes in a material's height are detected and the nozzle position is automatically adjusted to maintain the necessary standoff height to avoid collision with the surface of the workpiece. This protects the nozzle and connected hardware from damage when moving over warped or uneven material.



Variable Speed Solids Removal System

This programmable variable speed system provides precise control over garnet evacuation rate, direction, and duration to efficiently remove garnet from the waterjet catcher tank. The Variable Speed Solids Removal System (VS-SRS) gives the operator the ability to program flow rate and direction. An optimized fluid return trough increases settling time and minimizes abrasive volume returning to the tank.

Rotary Axis

The Rotary Axis is a robust, water resistant, submersible rotary head that allows the abrasive waterjet to cut 6-axis paths when combined with the A-Jet to create complex 3D shapes in tube, pipe, and bar stock. Constant rotational control allows for continuous cutting around a shape. Advanced features in the IntelliMAX Software Suite make it easy to program complex path geometries for the Rotary Axis. Precision indexed rotations offer accurate cutting of multi-faceted shapes. The Rotary Axis can be mounted on any OMAX JetMachining Center, significantly expanding the cutting capabilities.

Water Recycling System

The OMAX Water Recycling System is designed to capture the workable overflow water for recycling to the proper specifications, then return the water back to the high pressure pump. A filtration system traps suspended particles and ensures that high quality water flows to the high pressure pump, while an ozone generator is used to reduce bacterial growth.

Laminar Filter

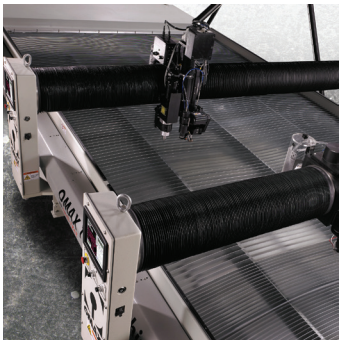
This settling tank efficiently cleans overflow water from the catcher tank for required recycling through a closed loop system or for sanitary disposal down the drain. When water enters the OMAX Laminar Filter, an ideal gravitational filtering cycle begins in the unit. The accessory contains modular trays of angled laminar plates to capture smaller, lightweight particles during the natural settling process. Sediment collects at the bottom of the tank while clean water can exit to a closed loop system or disposal drain. The Laminar Filter is also designed for routine sediment cleaning.

Vacuum Assist

The OMAX Vacuum Assist accessory is the ideal abrasive waterjet solution for piercing brittle materials, advanced composites, challenging laminates, and more. While using lower pressure can generally pierce some brittle materials, the pressure of the jet can cause delamination if the abrasive feed is delayed. The OMAX Vacuum Assist eliminates that delay, allowing for consistent, automatic piercing of composites, laminates, and other brittle materials. Designed to work on both the OMAX and MAXIEM product lines, the OMAX Vacuum Assist can increase production and reduce material waste for maximum part processing yields.

DualBRIDGE System

The DualBRIDGE™ System offers dramatic increase in productivity and flexibility. This configuration option allows the addition of a second Y-bridge to boost efficiency and flexibility. The system can be added to any new or existing 80X, 120X or 160X OMAX JetMachining Center. With the DualBRIDGE system, two Y-bridges can work independent of one another on separate components, or in tandem to cut one large part. The system also boosts utilization rates, as cutting can be performed while materials are loaded and unloaded from the machine.



Chiller

In the event that water temperature exceeds 60° F on a seasonal or regular basis, shortened pump seal life can occur. The Chiller cools the water supply for the pump which improves seal life. Depending on the rating of the Chiller and ambient conditions, the water temperature can be lowered anywhere from 20° F to 40° F. Water from the OMAX system's charge pump is sent through the Chiller and to the waterjet pump. A portion of the water is recirculated back to the waterjet's internal charge tank to minimize water usage.

SHAPING POSSIBILITY®

PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

TÜVRheinland®

ANAB ACCREDITED QUALITY MANAGEMENT SYSTEMS CERTIFICATION BODY

c UL us LISTED CE

UL 508A, CAN/CSA C22.2 No. 14,
CAN/CSA C22.2 No. 73
ISO 9001:2015 Certified

For more information, visit: www.omax.com

Please visit www.omax.com/patents for more details about OMAX patent numbers and types.

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