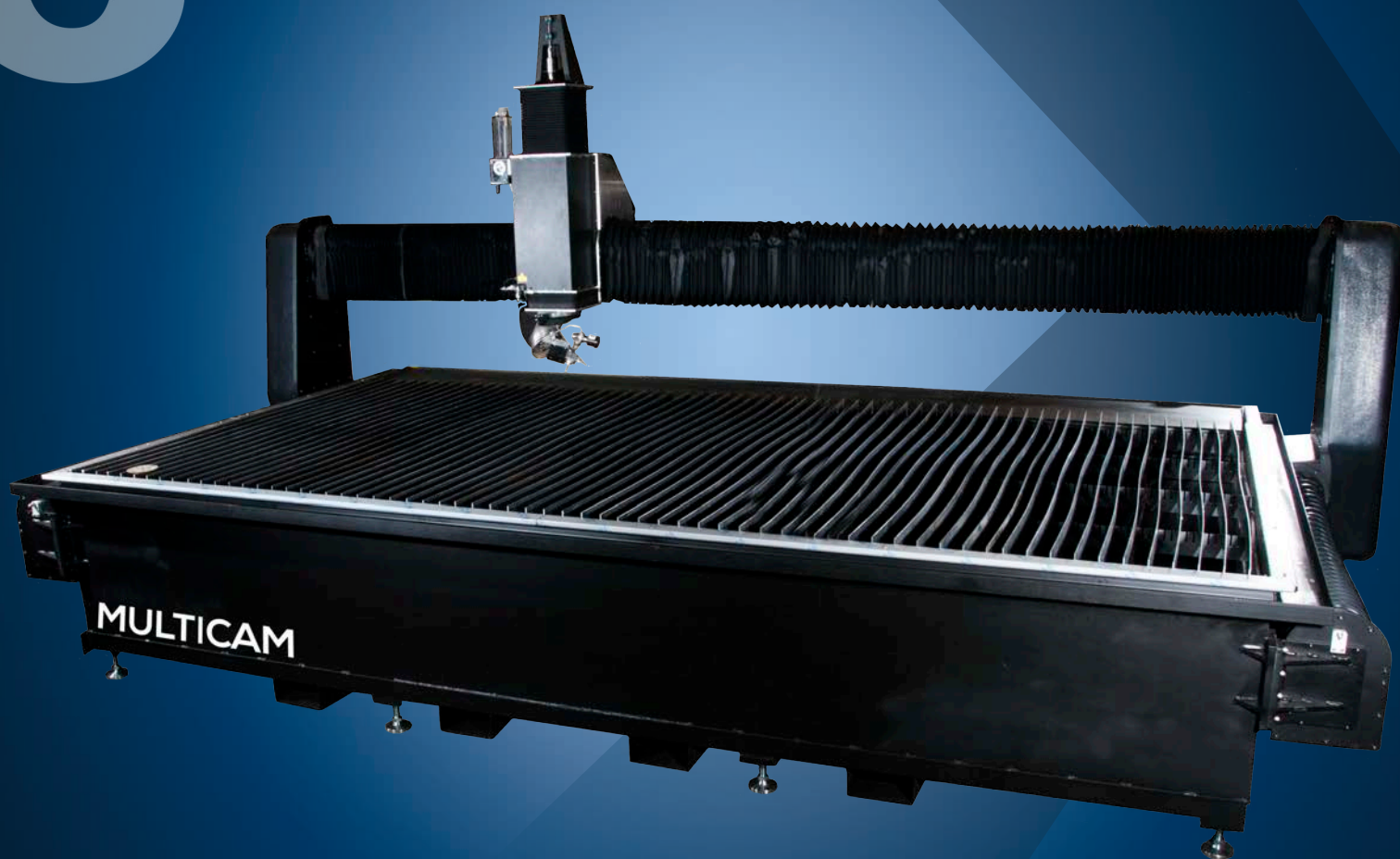


CNC

3000/5000 Series Waterjet

Reliable turnkey solutions for any application requiring value, performance, and versatility.



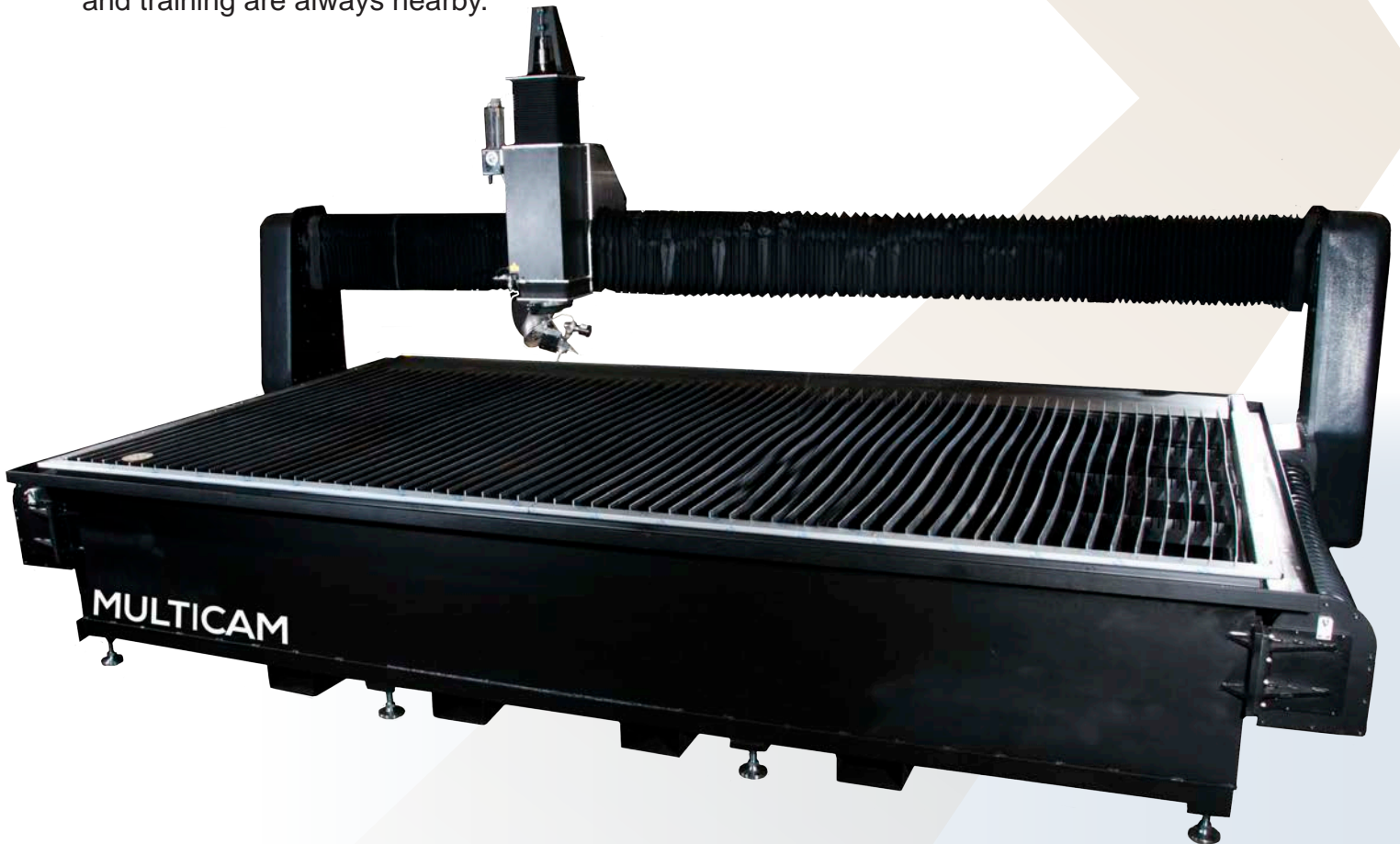
MULTICAM
Complete CNC Solutions

PRECISE PERFORMANCE... ...AT AN AFFORDABLE PRICE

3000/5000 SERIES WATERJET

The MultiCam 3000/5000 Series Waterjet cutting system is an affordable, easy-to-use, production cutting solution with optional 5-axis. We designed it for manufacturers needing to cut a wide variety of materials. High-pressure waterjet machining also offers unique advantages over other cutting technologies. It allows the user to cut highly accurate parts with excellent finish and no heat-affected edge.

All 3000/5000 Series Waterjet machining systems are manufactured using high-tolerance, large scale, CNC metalworking machines. They are verified with certified laser calibration equipment. Every MultiCam 3000/5000 Series Waterjets comes with the full support of the MultiCam Technology Center network. With over 60 locations worldwide, MultiCam sales, service, support and training are always nearby.



FEATURES & SPECIFICATION GUIDE

PERFORMANCE / EASE OF USE / PRODUCTIVITY

FEATURES

No machine offers more features than the innovative and versatile 3000/5000 Series Waterjet



Base Frame

Solid, Heavy-Duty Construction

A heavy, all-steel tank provides the base for all MultiCam 3000/5000 Series Waterjets. Utilizing steel up to 1" thick the base has an optional working height of 35". When the gantry is parked at the rear of the machine, the user has exceptional three-side access for easy loading and unloading.



C-Channel Guttering

Rigid & Effective

Heavy C-channel guttering is integrated into the box-style water tank, providing outstanding rigidity to the tank and machine. The guttering is plumbed to the Weir settling tank for removal of overflow and spray-back water residue.



Integrated Machine Bellows

Designed for easy cleaning

Integrated 360-degree polyurethane bellows are standard on every MultiCam 3000/5000 Series Waterjet. They protect all of the machine's precision mechanical components fully and allow easy cleaning.



Gantry Supports

Smooth & Accurate

Precision-machined supports fabricated from 1" thick cast-aluminum tooling plate support the gantry on both ends. Cast aluminum provides inherent vibration-dampening characteristics, which translate into smoother cuts.

FEATURES

No machine offers more features than the innovative and versatile 3000/5000 Series Waterjet.



Drive Motor System **Smooth & Accurate**

After extensive testing, MultiCam has found the Schneider Brushless AC Servo Motors to be the premier solution on the market today. Precision bearings both reduce viscous friction and motor noise at high speed and help smooth motion.



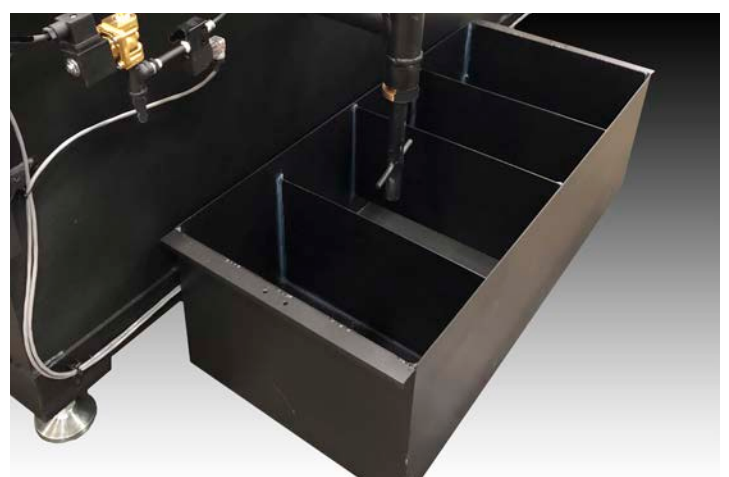
EZ Control **Easy-To-Use**

MultiCam's EZ Control is one of the most powerful yet easy-to-use motion control systems available on the market. It allows for multiple job reference positions as well as automatic Z surfacing, proximity restart, and interrogated material library of cutting parameters for all plasma cutting units.



Digital Servo Drive System **Seamless & Reliable**

Schneider digital servo drives are high-bandwidth, digital vector servo drive systems and are standard on all 3000/5000 Series machines. These drives seamlessly integrate position, velocity, and torque loops to provide uncompromised tracking accuracy, smoothness, and reliability.



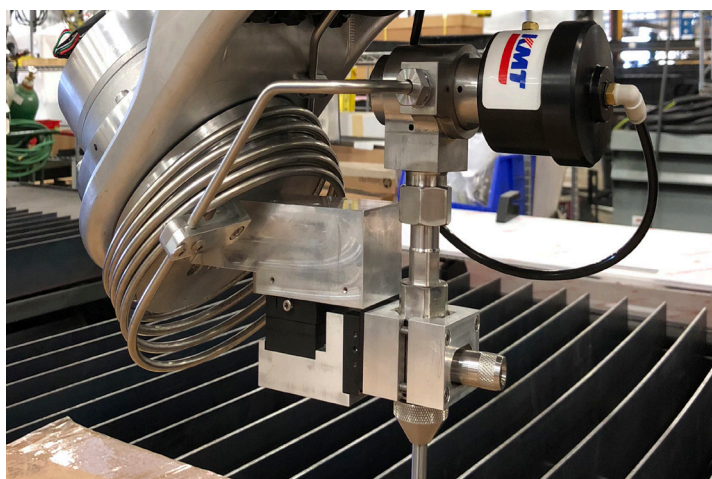
Weir Settling Tank **Easy & Hassle Free**

A Weir Settling Tank is standard on all 3000/5000 Series Waterjets. It's positioned below the water level height adjustment drain at the rear of the main cutting tank. Excess cutting tank water flows through each of the four chambers, allowing debris and other solids to accumulate in the tank. A sump pump is included for discharging cleaned water to the drain.



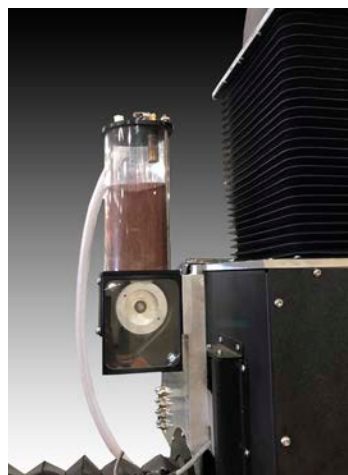
Integrated PC **Powerful & Productive**

All MultiCam 3000/5000 Series Waterjets include an integrated PC with the latest OS and quick access of MultiCam's Coreo Suite software at the machine.



5-Axis Head (5000 Series Only) **Fully Integrated & Dynamic**

Maintaining accurate positional and mechanical calibration is critical. MultiCam has designed a 5-axis head solution that incorporates the best of all worlds for bevel and taper control process. With full mechanical calibration, coupled with an easy-to-use, robust calibration routine, the MultiCam 5-axis system will maintain accurate positioning.



Abrasive Feeder/Hopper System **Accurate & Versatile**

All MultiCam machines equipped to run abrasive waterjet applications have a metered, highly accurate abrasive feeder/hopper system. The Abraline V 900 Hopper and pressure vessel contain level sensors. Their signals are constantly monitored by the PLC located in the electrical cabinet.

Fully programmable via the EZ Control, the feeder dispenses abrasive in fractional ounce increments. The hand-held keypad operates the abrasive feeder at varying rates during a program. Soft restart is a standard feature. It allows restarting of a program using pure water and introduces the abrasive where it left off so it won't damage the part.

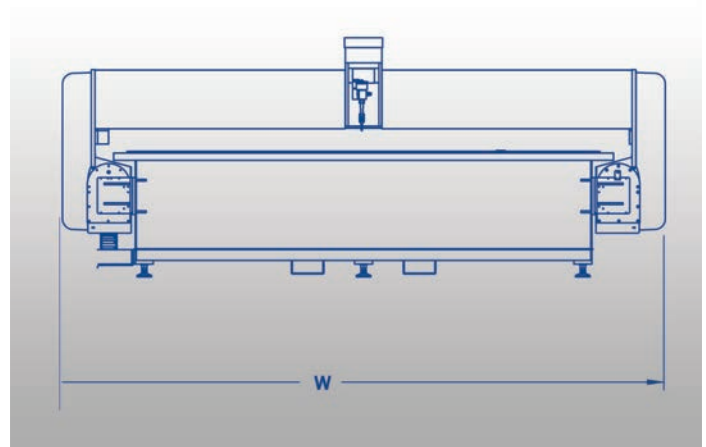
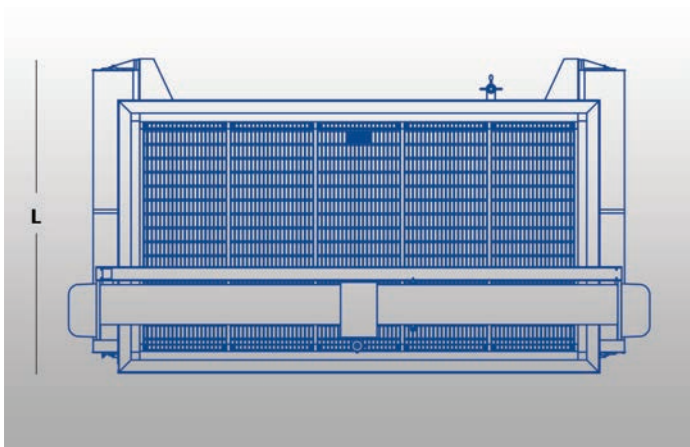
ADVANCED FEATURES

KMT Waterjet Pumps

Since 1971, KMT Waterjet Systems have been a global leader in waterjet technology. Manufactured in the U.S. with worldwide support and service, precision-engineered pumps are extremely efficient and reliable. MultiCam is proud to offer a full spectrum of KMT intensifiers. Whether you need the convenience and low initial cost of a direct drive pump or the more efficient and lower operating cost of 60K or 90K PSI intensifiers; MultiCam can help guide you to the perfect choice for your needs.



SPECIFICATIONS



Specifications	Inches	Metric
Z-Axis Clearance	10"	254mm
Z-Axis Travel	8"	152.3mm
Reapeatability	+/-0.001	+/-0.0254
Cut Speed	2100 IPM	53.34 MPM
Rapid Traverse	1500 IPM	38.1 MPM
Drive System (X,Y)	Rack & Pinion	Rack & Pinion
Drive System (Z)	Ball Screw	Ball Screw

Model	L (in./mm)	W (in./mm)	Working Area (in./mm/)	Weight (lbs.)
202W	95/2413	131/3327	60x60/1524x1524	2900
204W	95/2413	191/4851	60x120/1524x3048	5400
304W	115/2921	191/4851	80x120/2032x3048	6300
305W	115/2921	215/5461	80x144/2032x3657	6900



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