

MULTICAM CNC FABRICATION

PLASMA / WATERJET / LASER

34
1989-2019







WHY MULTICAM?

With over 30 years of experience in manufacturing, MultiCam is one of the world's leading suppliers of innovative CNC cutting solutions for a wide range of industries. Each CNC solution is built to order and fully customizable for end-users to get an application specific machine for their business and investment.

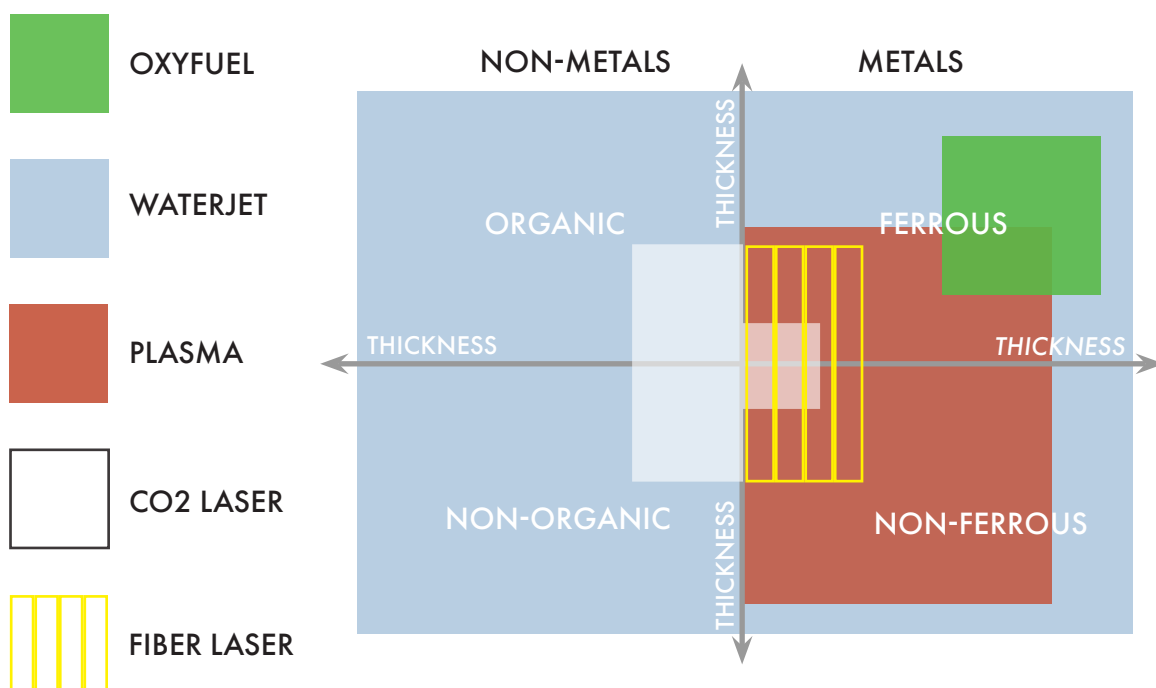
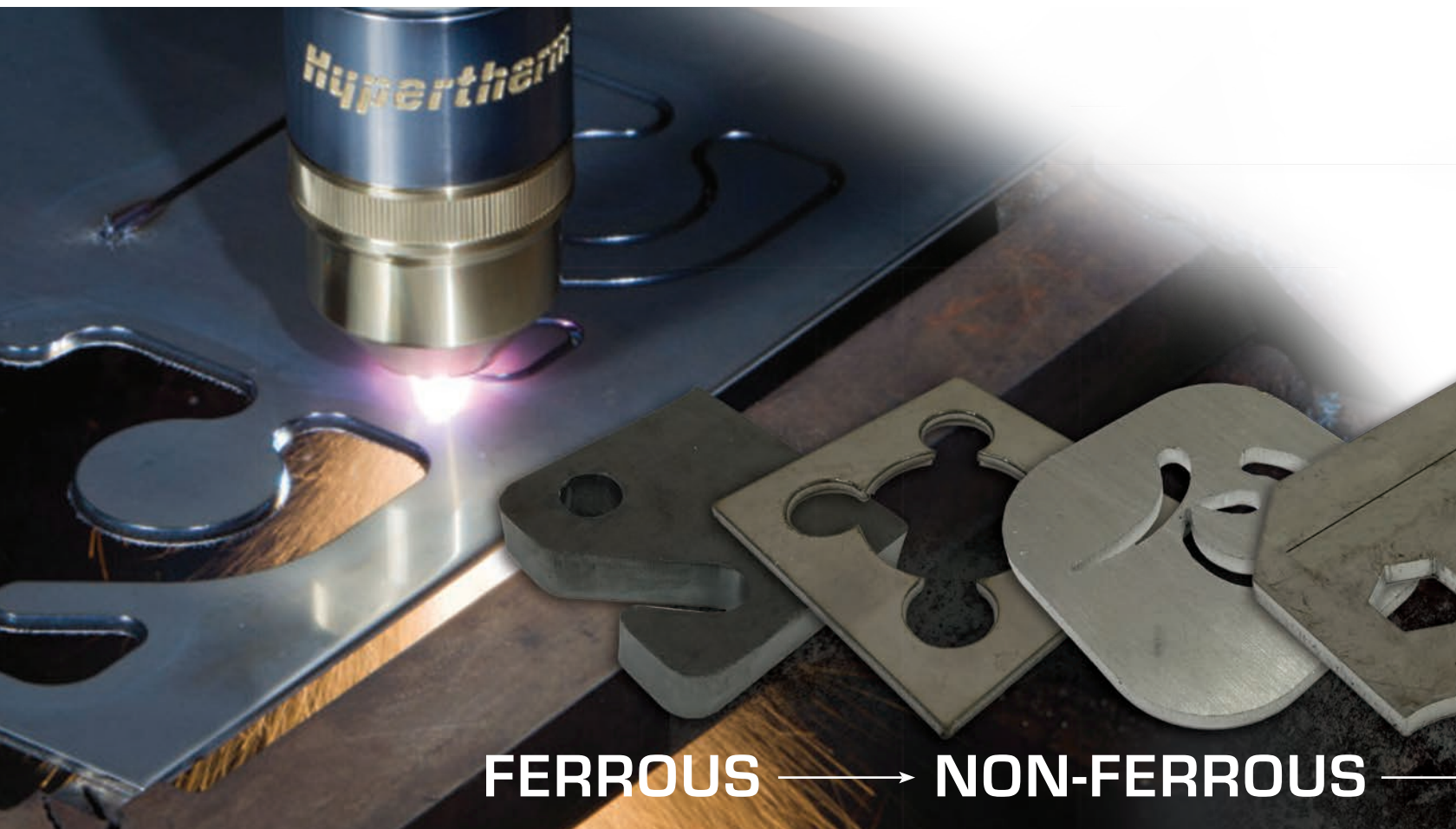
Constructed from a single-piece welded steel frame, each system is built to last and provide years of reliable service. Known for their ease-of-use, MultiCam's CNC solutions offer next level manufacturing capabilities for both novice and experienced CNC operators.

Manufactured in our Dallas, Texas facility, each machine is extensively tested prior to leaving the factory to ensure longevity and uncompromising quality for the life of the cutting system.

MultiCam is supported by a global network of experts which encompass 60 Technology Centers around the world as well as Sales and Service Representatives in over 100 countries. Lifetime training, service, and support are always within reach.



FABRICATION



SOLUTIONS

"What are you cutting?" Both your application and material type play a role in determining which CNC system would best suit your fabrication needs. MultiCam's systems are made to order to fit your business and manufacturing work-flow.



CNC PLASMAS

MultiCam has a wide variety of CNC solutions for nearly every type of application and budget. Whether it be entry-level or upper-level fabrication, MultiCam has a CNC solution to increase your business productivity and throughput!



V-SERIES



V-PRO

WATER TABLE



HEAVIER MATERIAL CAPAB

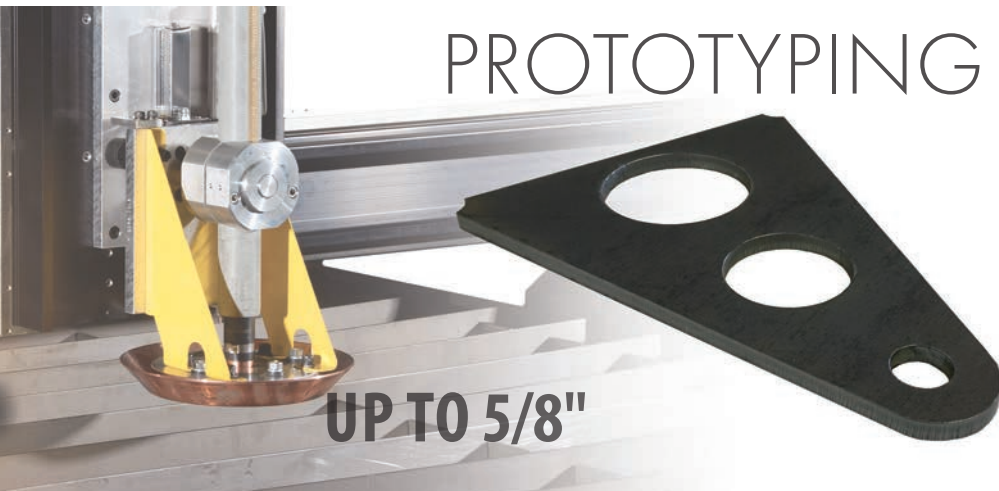


1000 SERIES



24/7 CAPABILITIES

Maximum Value



Low cost clean cutting with Powermax 45, 65, and 85 systems.



For cutting thick - Powermax 105



For high volume industrial cutting, Powermax 125



3000 SERIES

Need a machine-tool quality CNC plasma cutting system? Then the 3000 Series Plasma was made just for you. With a sturdy and rigid all-steel plate frame, you can easily support any standard or high-definition plasma unit you need. The heavy-duty steel frame also means you experience minimal vibration when cutting, which means you get a highly precise cut every time.

Corners won't cost you serious time when you make those cuts due to MultiCam's high-speed contouring system you get with the 3000 Series Plasma. The downdraft table takes care of most of the dust and debris so you have a clear working space.

The 3000 Series Plasma also comes with an integrated material database. Valuable time spent changing parameters such as feedrate, pierce delay, pierce height, and much more can be saved by utilizing MultiCam's integrated material database. With the material database, you simply select the material to be cut and the machine will adjust the parameters automatically.

FASTER THROUGHPUT

- High-Speed AC Servo System
- Squares Table Automatically upon Start Up
- Ultra Smooth Motion
- Accurate, Precise Cuts
- True Hole™ Enabled (XPR/HPR Torches)
- Fully Welded Frame, Stress Relieved & Milled

AUTOMATIC TORCH HEIGHT CONTROL

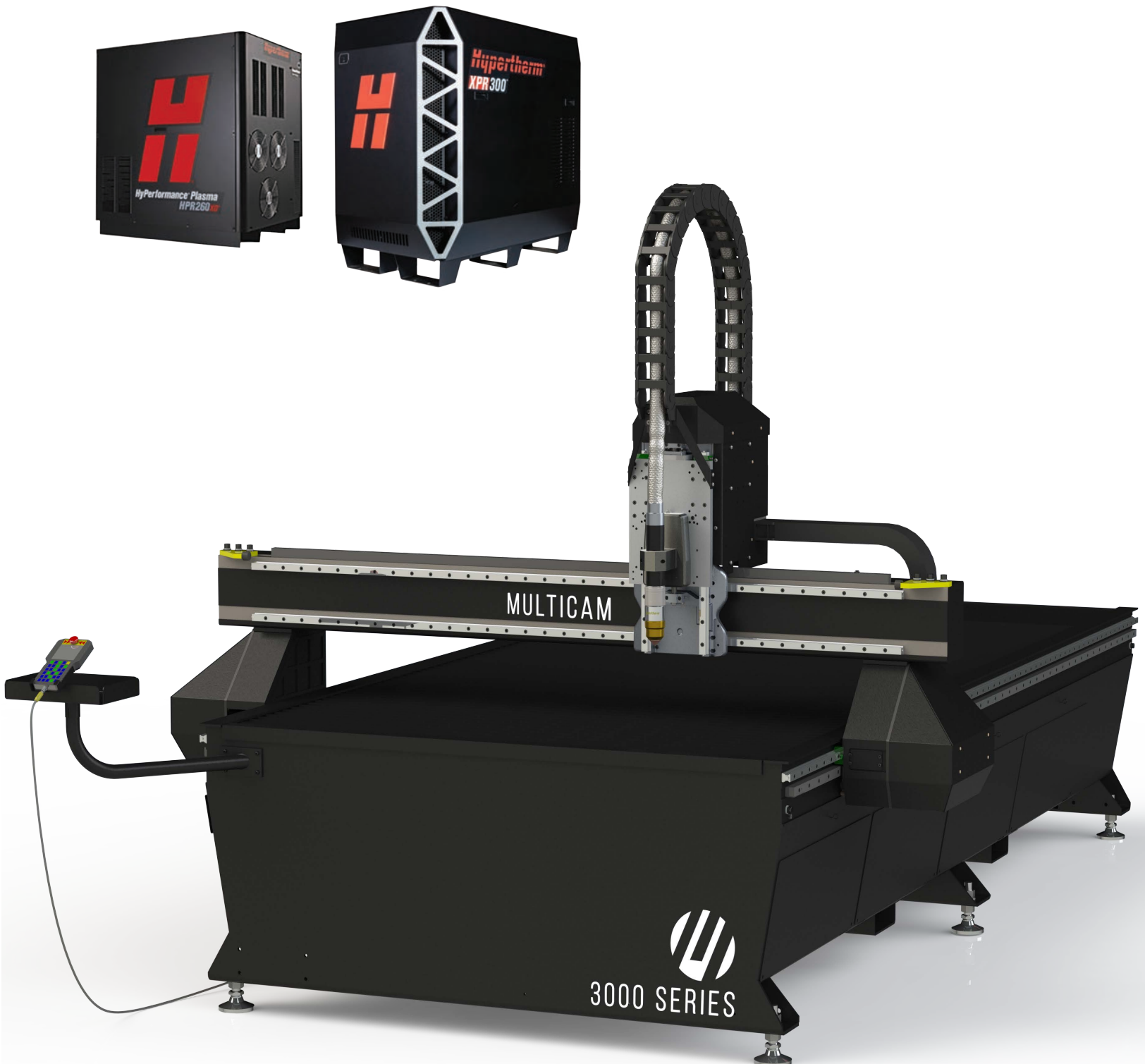
- Magnetic Breakaway
- OHMIC Initial Height Sensor
- Secondary Touch Sensor

Specifications	Inches	Metric
Z-Axis Clearance	4"	101.6mm
Z-Axis Travel	6"	152.4mm
Repeatability	+/-0.005"	+/-0.127mm
Cutting Speed	1000 IPM	25.4 MPM
Rapid Traverse	2300 IPM	58.42 MPM
Drive System (X,Y)	Rack & Pinion	Rack & Pinion
Drive System (Z)	Lead Screw	Lead Screw
Standard Work Surface	Steel Slat	Steel Slat

Specifications subject to change without notice.

MULTIPLE OPTIONS & CAPABILITIES

- Sizes start at 4'x4' to 8'x20'
- Downdraft or Water Table
- Dual Torch Configurations
- Auto-Height & Manual Oxyfuel Solutions
- Five Axis Bevel Head (Hi-Def Torches)
- Pneumatic Etching
- Plasma Marking (Hi-Def Torches)
- All Hypertherm Torches Available.



ARCOS SERIES

Since the motion platform is independent of the cutting surface, the Arcos Bridge & Rail Plasma does not experience heat damage normally associated with the Plasma or Oxy-Fuel (Acetylene) cutting processes.

The Arcos Bridge & Rail Plasma is host to multiple features, you simply can't go wrong when it comes to a fabrication machine! This system features an integrated material database so you can simply use a menu-drive system to adjust feed rate, pierce-delay, pierce-height, and many other options automatically.

The Arcos Bridge & Rail is made up of an all-steel construction which is extremely rigid and reduces vibrations to keep your cut quality as pristine as possible.

STANDARD FEATURES

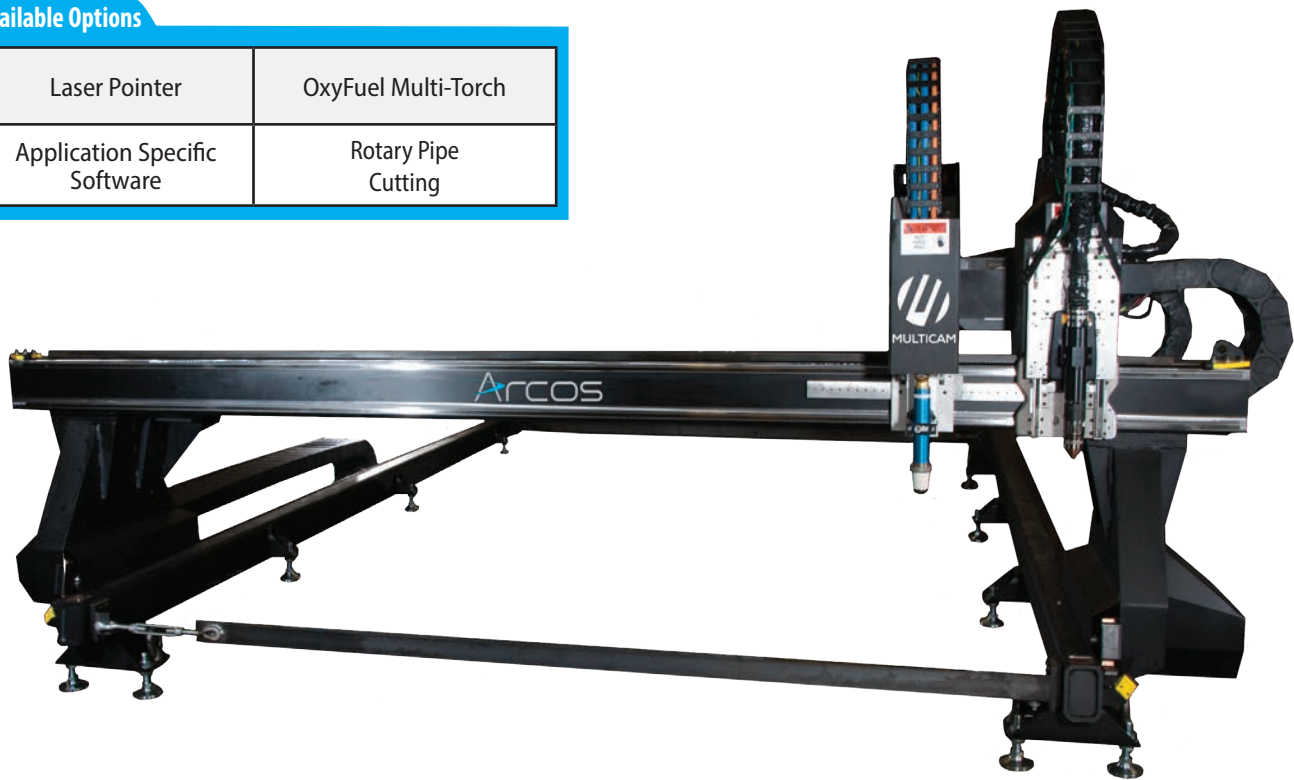
- All-Steel, Stress-Relieved Heavy-Duty Construction
- High-Torque, Low Backlash Gearboxes
- EZ-Control & Coreo Software
- Digital Servo Drive & Brushless Digital AC Motors
- Quick-Stop Crash Protection
- Plasma Marking

Specifications	Inches	Metric
Z-Axis Clearance	38.5"	977.9mm
Z-Axis Travel	12"	304.8mm
Repeatability	+/-0.005"	+/-0.127mm
Rapid Traverse	2546 IPM	64.66 MPM
Drive System (X,Y)	Helical Rack & Pinion	Helical Rack & Pinion
Drive System (Z)	Ball Screw	Ball Screw

Specifications subject to change without notice.



Available Options	
Laser Pointer	OxyFuel Multi-Torch
Application Specific Software	Rotary Pipe Cutting



6000 SERIES

The 6000 Series CNC Plasma is designed specifically for manufacturers who need to cut heavy plate or want a large process area without sacrificing cut accuracy or quality.

With a motion platform independent of the cutting surface, the 6000 Series does not experience damage from materials being loaded or from the intense heat caused by OxyFuel cutting. Customers report increasing their production capacity by being able to run the 6000 Series for 19 hours per day, up to 6 days per week.

STANDARD FEATURES

- All-Steel, Stress-Relieved Heavy-Duty Construction
- High-Speed Contouring
- Gantry has front mounted linear bearing & robust rack drive
- Automatic Initial Pierce Height
- Automatic Torch Height Control

Specifications	Inches	Metric
Z-Axis Clearance	38.5"	977.9mm
Z-Axis Travel	12"	304.8mm
Repeatability	+/-0.005"	+/-0.127mm
Cut Speed	1000 IPM	25.4 MPM
Rapid Traverse	1400 IPM	35.56 MPM
Drive System (X,Y)	Rack & Pinion	Rack & Pinion
Drive System (Z)	Ball Screw	Ball Screw

Specifications subject to change without notice.

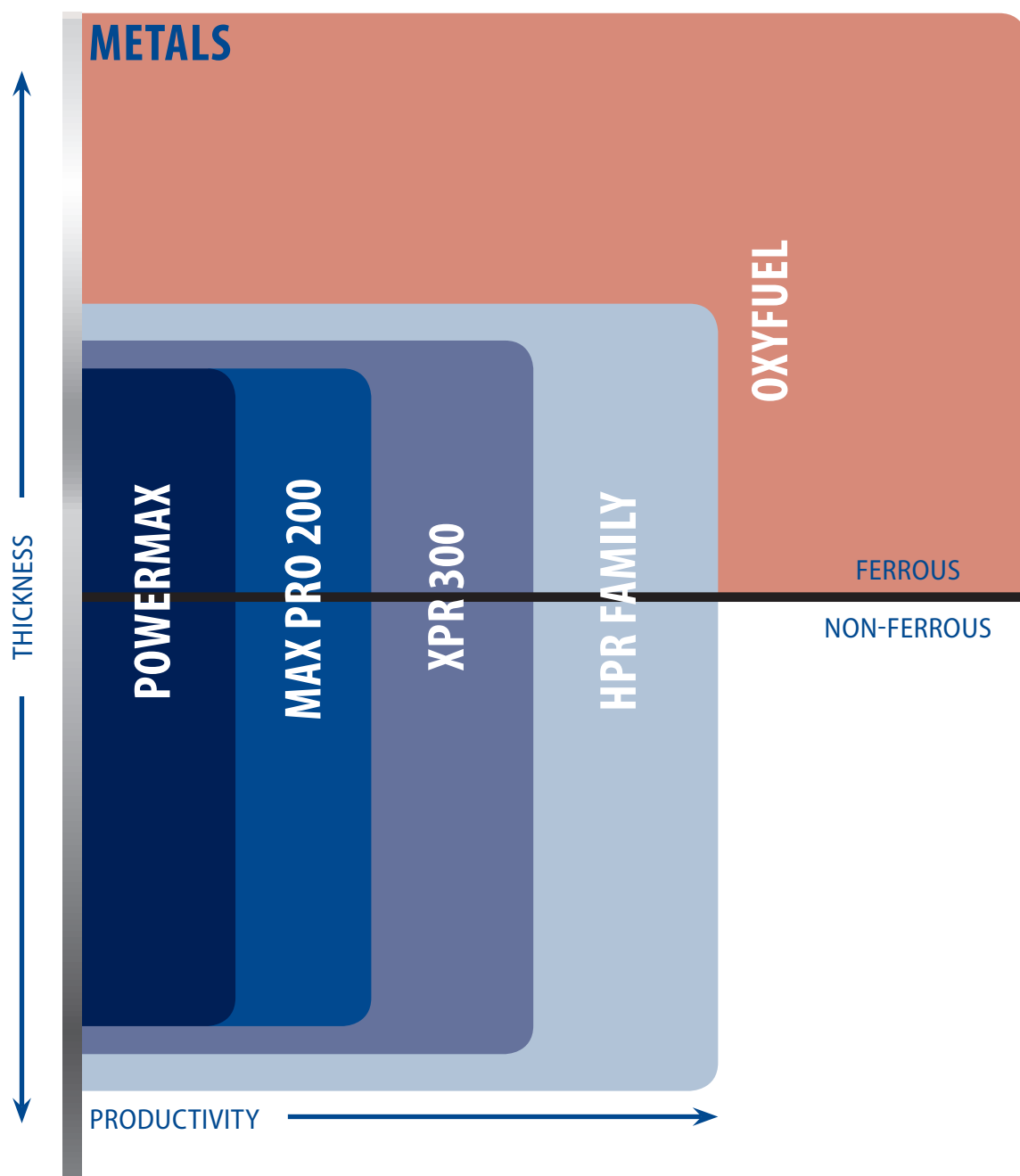


Available Options

Quick Stop Crash Protection	IHT OxyFuel Torches
2D Bevel	Straight Cut
Additional lengths can be added in 5' or 10' sections	

PLASMA & OXYFUEL

Lets explore your solutions. How much cutting are you doing? What do your parts look like in shape and size? How thick is your material? What types of metals are you cutting? These questions and more will guide you to the perfect CNC solution for your needs.



Plasma can cut anything that conducts electricity. OxyFuel can cut ferrous metals only.

Sizing & Solutions

Type				
	PMX	MAXPRO	HPR	XPR
V-Series				
V-Pro				
1000				
3000				
1000 BR				
ARCOS BR				
6000 BR				

Options						
	VIBRATORY PEN	OXYFUEL TORCH	BEVEL	ROLLER BALL	PMX EXTRA TORCH	PLASMA MARKING
V-Series						
V-Pro						
1000						
3000						
1000 BR						
ARCOS						
6000 BR						

CNC WATERJETS -

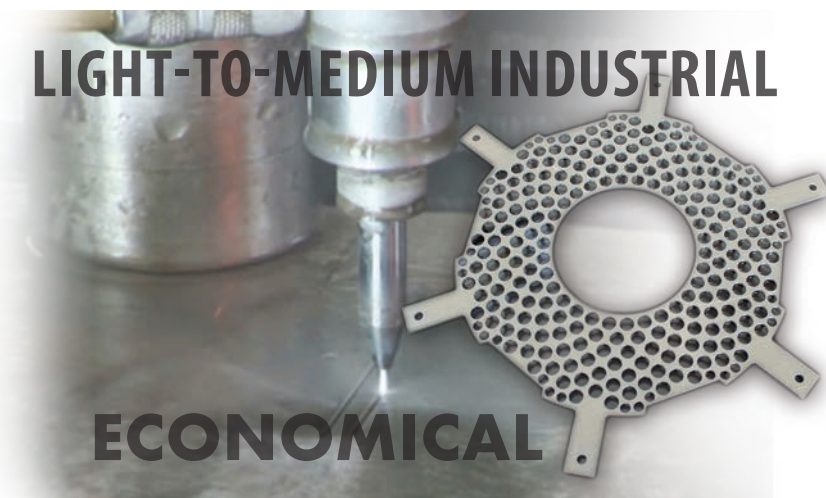
Whether you're a large business, small shop, or one-man show, MultiCam has a CNC Waterjet solution for you. Every Waterjet comes with a number of customizable options so you can get exactly what you need. These machines are manufactured with certified laser calibration equipment so you can count on precision and quality. Heavy steel frames ensure durability and stability for consistently accurate cutting.



V-SERIES

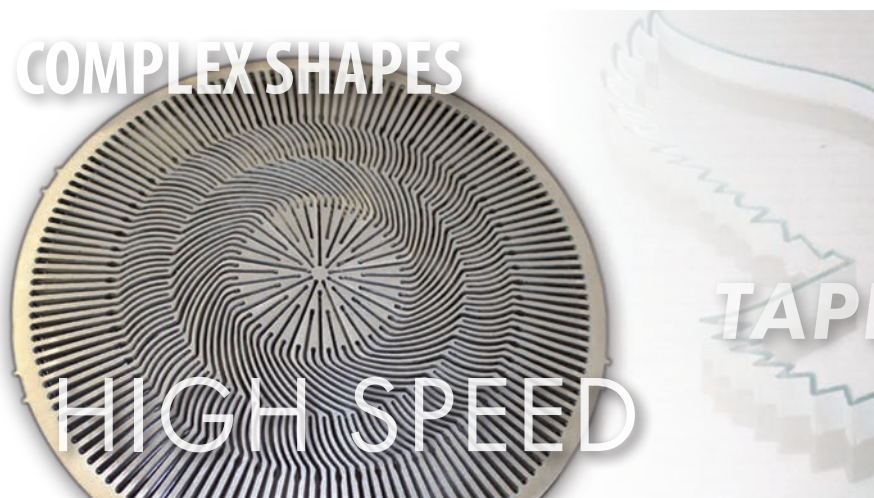
LIGHT-TO-MEDIUM INDUSTRIAL

ECONOMICAL

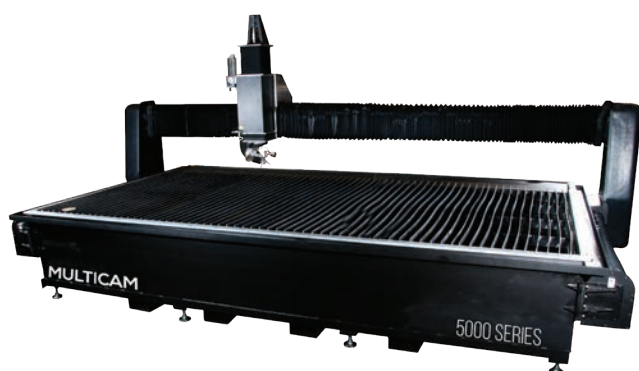


COMPLEX SHAPES

HIGH SPEED



TAPER



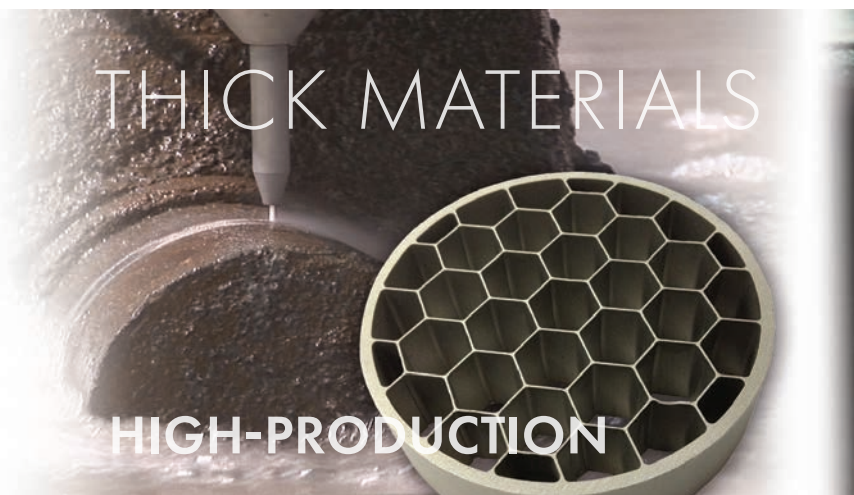
3000/5000
SERIES

THICK MATERIALS

HIGH-PRODUCTION



6000
SERIES



Ultimate Versatility



THIN MATERIALS



**DIRECT DRIVE
60K UP TO 50 HP**

OPTIONS
AVAILABLE TO
CONSIDER:

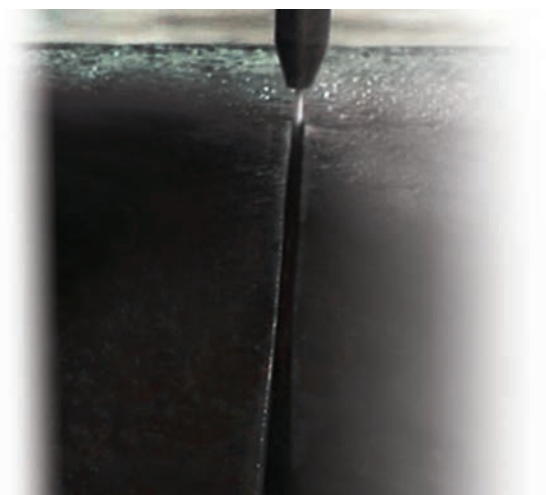
- CHILLER SYSTEMS
- WATER RECYCLING SYSTEMS
- MULTI-HEAD SYSTEMS
- WATER ONLY OR ABRASIVE



FLAT & BEVEL



**60K & 90K
UP TO 200HP**

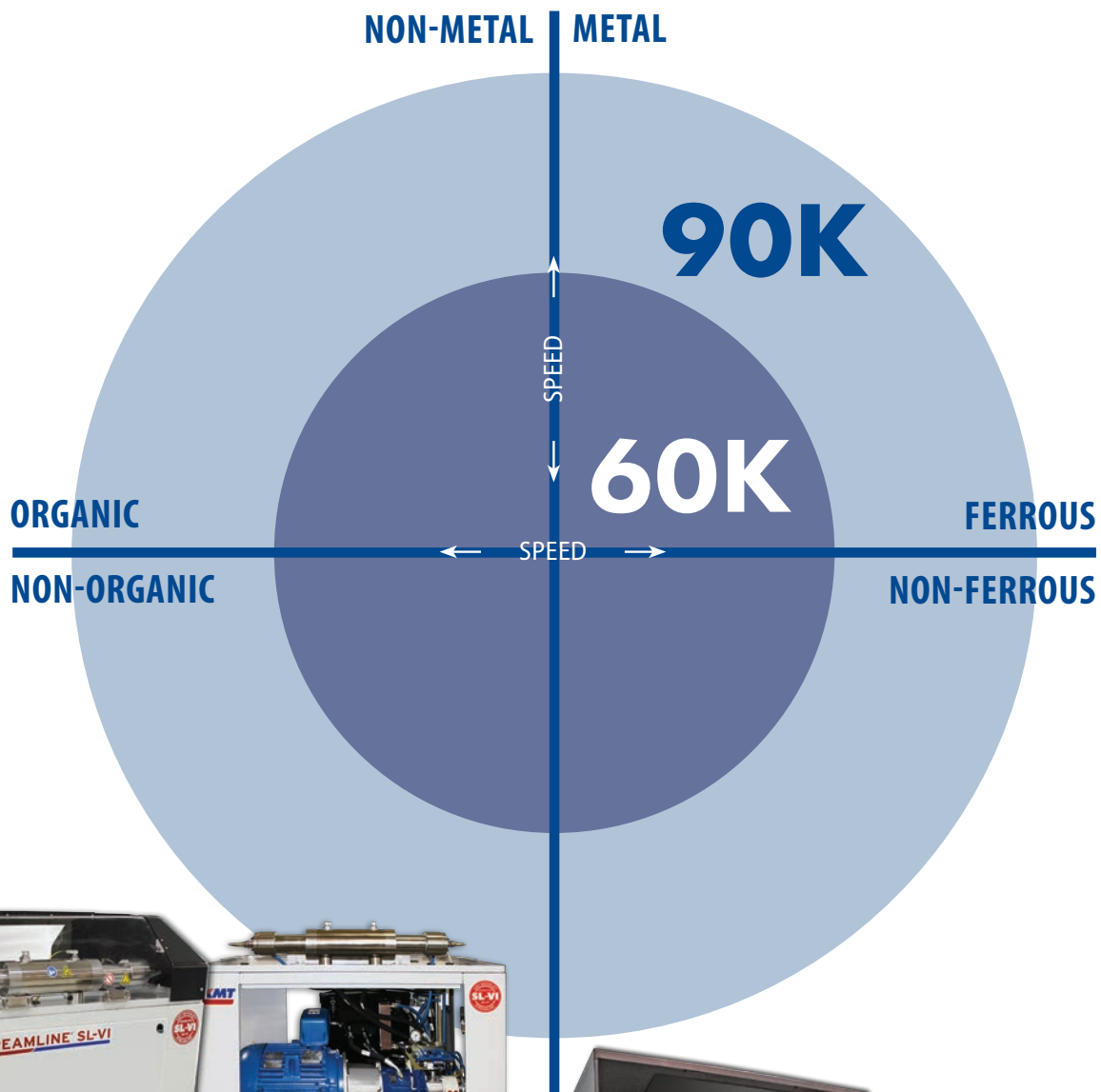


**60K & 90K
UP TO 125HP**



CNC WATERJETS -

From thin to thick, metals & non-metals, MultiCam Waterjets can do it all! Let's talk about your material usage to see what system platform would be best for you. MultiCam offers a vast array of configurations from water only or abrasive cutting, and from 3 axis to 5 axis applications.



Sizing & Solutions

Pump Sizes		60K PSI						90K PSI	
TABLE SIZES	SERIES	30I 60K	30DD 60K	(40N) 60K	50 60K	100 60K	200 60K	60 PRO 90K	125 90K
5x5 - 6x12	V-Series								
4x8 - 6x12	1000*								
5x5 - 6x16	3000								
5x5 - 6x16	5000								
from 6'-20' widths and up to 20' lengths	6000								

*Water table only.

Options				
	WATER ONLY	ABRASIVE	BEVEL	TAPER
V-Series				
1000				
3000				
5000				
6000				

CNC LASERS

QUANTUS FIBER LASER

The Quantus Fiber Laser effectively reduces high labor costs and nearly eliminates having to replace regular consumable parts associated with expensive Laser systems. This helps keep your expenses down and your production at an all time high. With power levels starting from 1500 Watts up to 6000 Watts, there is a Quantus to fit your budget and production needs.

FEATURES:

- Ultra Efficient Fiber Laser Technology up to 6000 Watts
- Dual Screen Control Station with Camera Monitor
- Digital Auto Focus
- Automated Shuttle Table (optional)
- Fully Programmable Gas Controls
- Precision Drives for Fast Cutting and High Throughput

Model	Inches	Metric
4x4	51" x 51"	1295mm x 1295mm
4x8	51" x 98"	1295mm x 2489mm
5x10	62" x 122"	1575mm x 3099mm

Specifications	Inches	Metric
Machine Table Height (without pallet changer)	36"	914.4mm
Max Load Weight	4'x4' - 1000 lbs. 4'x8' - 2000 lbs. 5'x10' - 2000 lbs.	4'x4' - 453.59 kg 4'x8' - 907.18 kg 5'x10' - 907.18 kg
Repeatability	4'x4' +/-0.0005" 4'x8' +/-0.002" 5'x10' +/-0.002"	4'x4' +/-0.0127mm 4'x8' +/-0.05mm 5'x10' +/-0.05mm
Drive Feed Method	4'x4' & 4'x8' - Precision Ground Ball Screw 5'x10' - Rack & Pinion, Precision Ground Ball Screw	
Worksheet Clamps	Manual	
Assist Gas System	30 BAR - 435 psi	
Gas Supply	Nitrogen, Oxygen	
Power Range	1 - 6 kW	
Power Supply	Laser Source Dependent	
Laser	Single & Multi-Mode (model dependent)	
Wavelength	1070um/1080 um	

Specifications subject to change without notice.



Precision & Speed

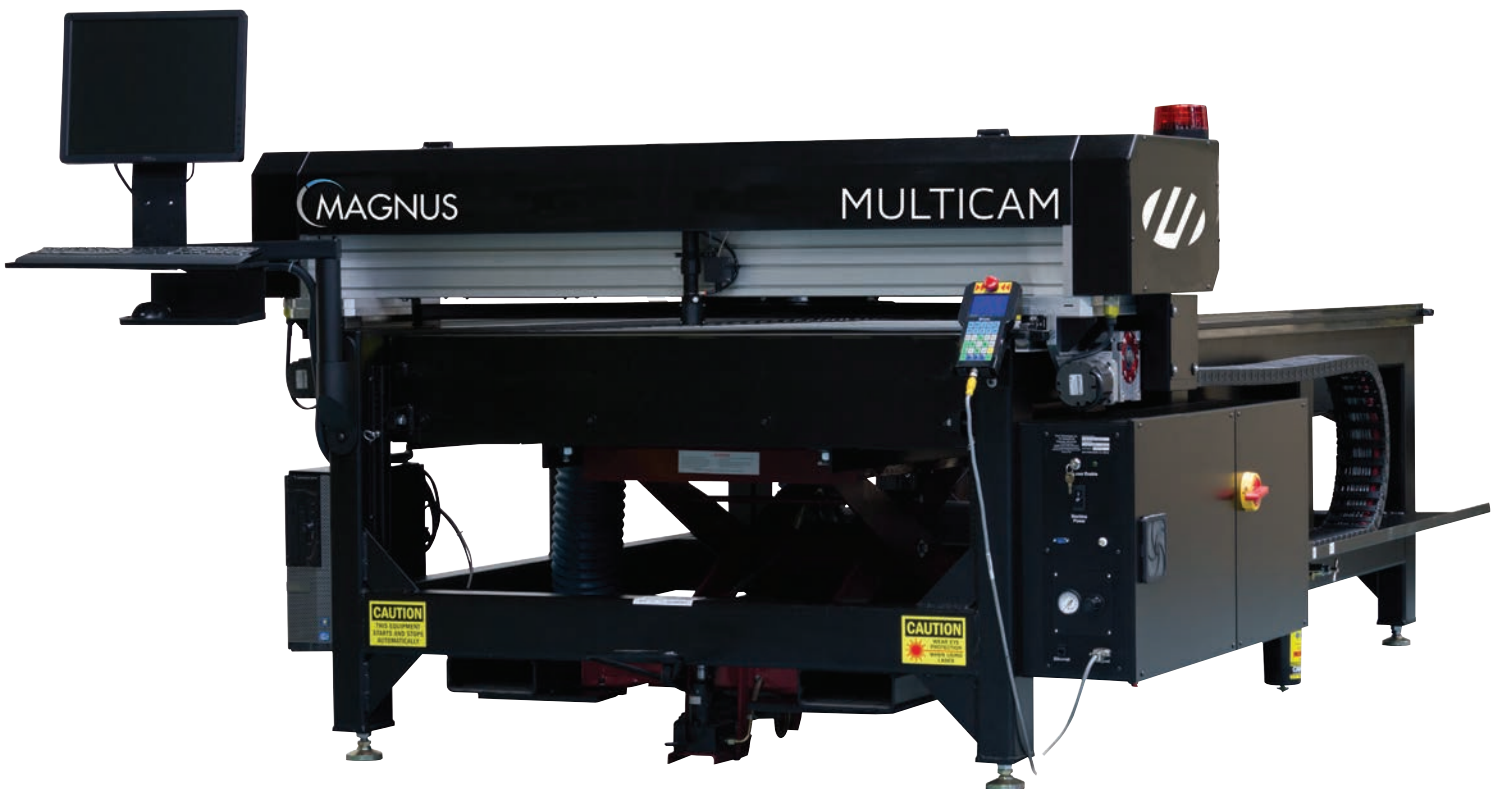
MAGNUS CO2 LASER

Equipped with an impressive list of standard features and available options, the Magnus CO2 Laser can cut or engrave for nearly any application. Not only is the Magnus CO2 Laser one of the best selling Laser CNC systems on the market, it is also one of the fastest engraving systems. When equipped with the engraving accessories, the Magnus is capable of quickly and efficiently processing large areas at a resolution equivalent to printing.

FEATURES:

- All-Steel, Stress-Relieved Heavy-Duty Construction
- High-Speed Contouring
- Gantry has front mounted linear bearing & robust rack drive
- Automatic Initial Pierce Height
- Automatic Torch Height Control

Specifications	Inches	Metric
Table Height	36"	914.4mm
Repeatability	4'x8' +/-0.002" 5'x10' +/-0.002"	4'x8' +/-0.05mm 5'x10' +/-0.05mm
Gas Supply	Nitrogen, Oxygen	
Gas System	20 Bar - 300 PSI	
Power Range	170 - 1100 Watt	



ACCESSORIES

MultiCam's partners are the best in the industry. Machine tools have consumable parts and companion systems that can make the difference between being productive and being out of commission. MultiCam specifically works with each of these world-class vendors to ensure that the solutions are designed specifically for the performance needs of the end user. Bundle these with your system purchase for a complete turnkey solution.



FUME EVACUATION



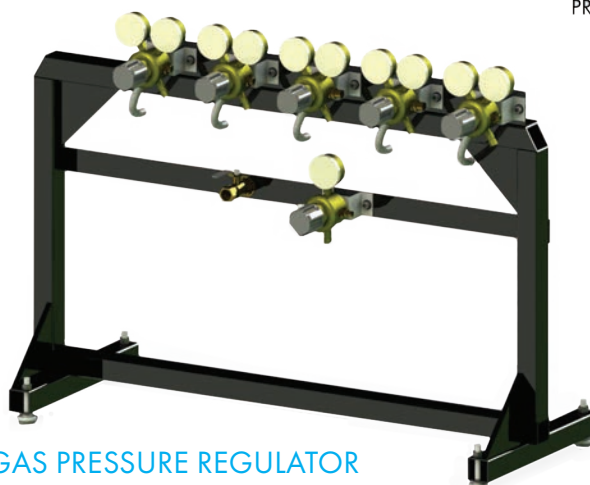
MULTICAM BLACK & GOLD SERIES

We have worked with Camfil to customize the perfect modular cartridge fume extractor which combines enhanced capabilities, an energy saving design, ease of service, and safety features that deliver best in class performance while cleaning the work environment of irritating dust and fumes.

ABRASIVE REMOVAL



CLOSED LOOP FILTRATION



GAS PRESSURE REGULATOR

ACCESSORIES



BURR KING®

Vibratory Chambers that deliver quiet, high performance Deburring, Polishing, Descaling, and surface conditioning

Optional process timers may be added to the M25, M45, and M85. These timers permit precise process timing control to manage critical finishes and economize valuable shop time. Process timers include high quality magnetic starter contactors.

* Includes magnetic starter (NEMA 12) and controls without power cord.

SOFTWARE



LIGHT CURTAINS

SERVICE & SUPPORT



SUPPORT

- New Operator Training Available at Any Technology Center for the Life of the System



PARTS & SERVICE

- Premium On-site Preventive and Scheduled Maintenance



CONSUMABLE PLANS

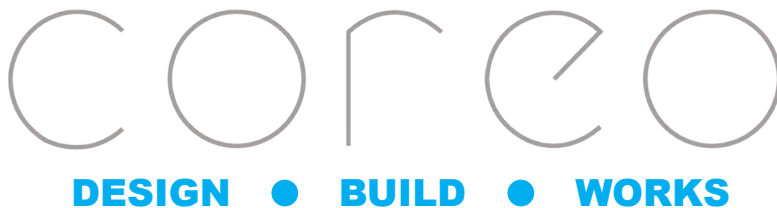
- Laser Consumables
- Garnet & Abrasive
- Plasma Consumables

905-738-7954

SUPPORT@MULTICAM.CA

MultiCam is proud to have our machines operating in thousands of manufacturing facilities worldwide. We understand your expectations for dependability, timeliness, and expertise. Our team of highly skilled and experienced Field Support Technicians are here to ensure your investment is running at maximum efficiency and in optimal condition. With over 60 locations worldwide, we are always just a phone call away.

SOFTWARE



Coreo is a robust operating platform that eloquently takes the user from art design all the way to finished job execution on MultiCam's line of machine tools. Coreo is equipped with advanced features to minimize avoidable errors and speed up productivity.



CONNECT

Coreo's simple interface enables you to automatically locate and communicate with the MultiCam machines on your production floor. This establishes the connection to the programs stored on your company server or computer. The selected cut file is then transferred across the network to the MultiCam system for cutting.



DESIGN-E

Create jobs faster by designing your parts or make edits and repairs to existing files in a vector environment that focuses on the specific features of your MultiCam system. Start from scratch or import and export from the most common vector file formats.



BUILD

Build applies parameters and tool paths to print files, converting them to machine-ready cut files. Manage multiple jobs, tools, and processes. Use standard software parameters and industry terms to preview, execute, and control projects. Contextual display prevents info overflow.



COMMAND

Command opens print files for execution on MultiCam systems, in doing so; it provides support for job queue, bar-code smart shape library, job history, time estimation, simulation, and unlimited material and process support. Users can conveniently adopt, execute, and adjust parameters established up stream.



REPORT

Make informed assessments of machine performance thanks to reports summarizing job and machine status, per job, or over multiple machines and multiple shifts.



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