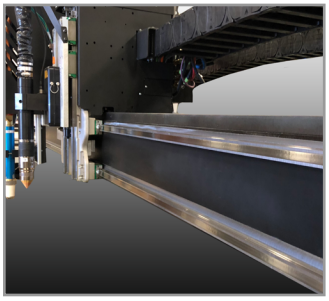
Heavy Duty & High Performance

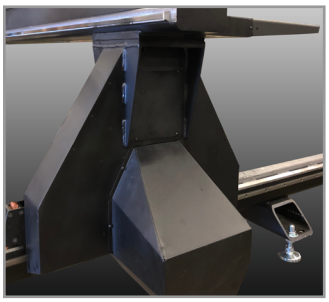
The Arcos is designed for manufacturers who need to cut heavy plate or need a large processing area without sacrificing accuracy or cut quality. Arcos is a complete ground up design with the latest power supplies from Hypertherm and the latest automatic oxy fuel system from IHT. A well balanced design with a low profile while maintaining a maintaining 8' cut clearance giving it a low center of gravity for optimal motion at 50% higher speeds and 200% faster accelerations than previous models. The Arcos system from MultiCam touts best in class motion for ultra smooth cuts, while utilizing all the latest process control libraries from valuable partners like Hypertherm and IHT.



Gantry

Engineered for Performance

The gantry is made of 1/4" thick square tubular steel that is welded, stress-relieved, and precision machined. The gantry has been engineered to provide a smooth, vibration free cut at optimal speeds & accelerations.



Gantry Supports

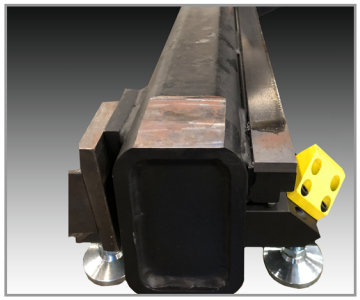
High Strength, Minimal Vibration

The Arcos gantry supports are manufactured from cut steel plate. They are welded, stress-relieved, and precision machined. Wide X-Axis bearing spacing and heavy plate help dampen the vibration and give the structural tube gantry extremely rigid support.

Quick-Stop Crash Protection

Quick & Easy

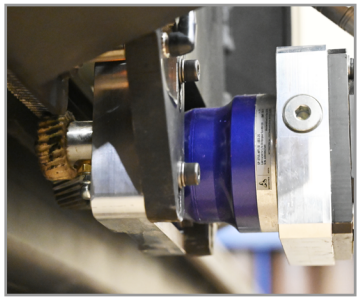
During the cut process it is possible for small parts to tilt up. If the torch hits these obstacles, the torch releases and shifts to the side. The machine will pause and allow the user to fix the problem before causing damage to your investment.



Modular Base Rails

Rigid & Smooth

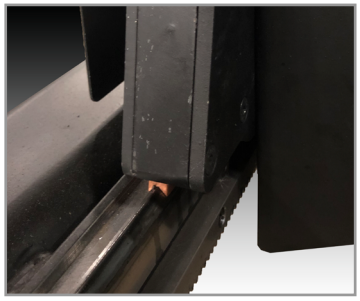
Made from 1/2" tubular steel, the extremely rigid base reduces vibration and allows for the best cutting quality using modular sections that can be added for longer machine lengths.



Precision Gear Boxes (X-Axis)

Solid, Heavy-Duty Construction with Helical Rack

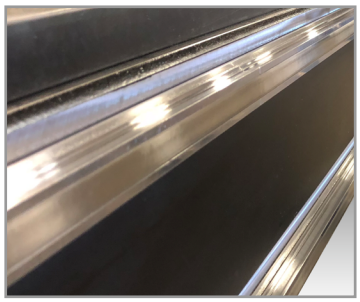
These high torque, low backlash gearboxes are ideal for moving and positioning the precision gantry at high speeds and acceleration rates while still delivering smooth motion.



Guide Way System (X-Axis)

Smooth & Accurate

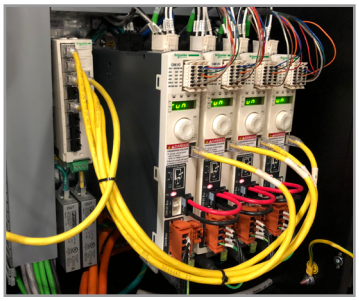
MultiCam's legendary motion is a result of our manufacturing process. The Arcos Bridge & Rail features a combination V-Rail capture and floating rail system that provides super smooth, accurate motion that will allow for our precise automatic squaring routine.



Linear Bear (Y&Z Axis)

Precise & Sturdy

The Arcos incorporates 25mm linear bearing profile rails with stainless steel strip cover for high rigidity and capacities in all load directions.



Digital Servo Drive System

Smooth & Reliable

Digital Servo drives and brushless digital AC servo motors form a digital vector servo drive system that integrates position, velocity, and torque loops seamlessly to provide uncompromised tracking accuracy, smoothness, and reliability.

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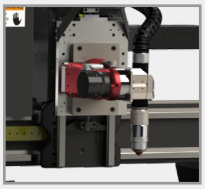
Options:

- OEM Tables
- Sideros Tables
- Camfil Farr Fume Extraction
- Sideros Fume Extraction
- Laser Pointer

Oxy Torch

Versatile Performance

These torches are rated to cut mild steel up to 8". The IHT torches feature auto-gas, auto-ignition, auto-surface sensing, auto-height, auto-shutoff, and auto-cut chart integration.



5 Axis Bevel

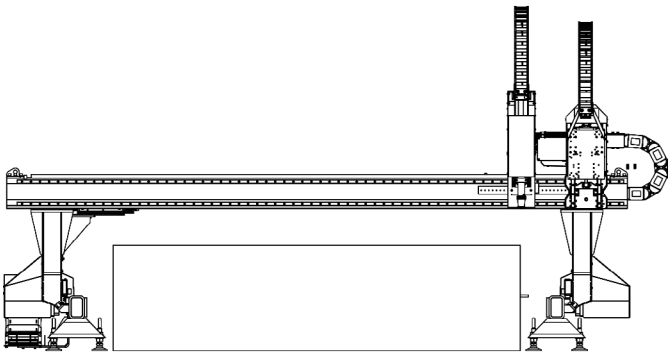
Reduce Post Processing

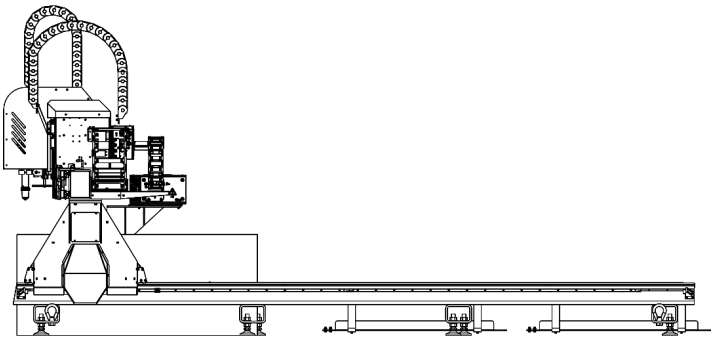
Adds a new dimension to plasma cutting capabilities and opens the door to fresh opportunities to include bevel cut up to ±50°. Designed to perform complex cut including A, V, K, X, Y and inverted Y style bevel cuts.

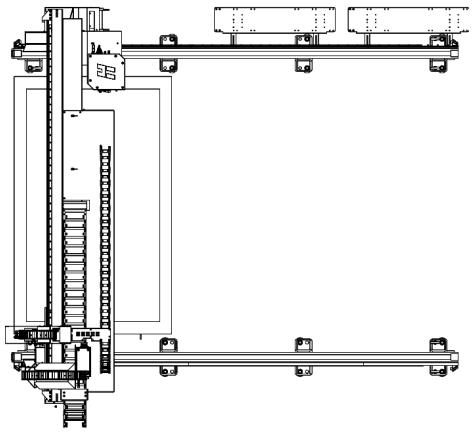
Specifications	Inches	Metric
Z-Axis Clearance	38.5"*	978mm*
Z-Axis Travel	12"	305mm
Z-Axis Work Range	26" - 38"	660mm - 965mm
Cutting Speed	800 IPM	0.339 mm/sec
Rapid Traverse	1500 IPM	0.635 m/sec
Repeatability	+/-0.001"	+/-0.025mm
Drive System (X,Y)	Helical	Helical
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	Steel Slat	Steel Slat

Model	Feet	Metric
305	6' x 12'	1829mm x 3658mm
308	6' x 20.5'	1829mm x 6248mm
309	6' x 27'	1829mm x 8230mm
405	8' x 12'	2438mm x 3658mm
408	8' x 20.5'	2438mm x 6248mm
409	8' x 27'	2438mm x 8230mm
505	10' x 12'	3048mm x 3658mm
508	10' x 20.5'	3048mm x 6248mm
509	10' x 27'	3048mm x 8230mm

Specifications subject to change without notice.
*Widths starting at 6' wide and modular lengths.







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