

accu-kut

PLASMA CUTTING



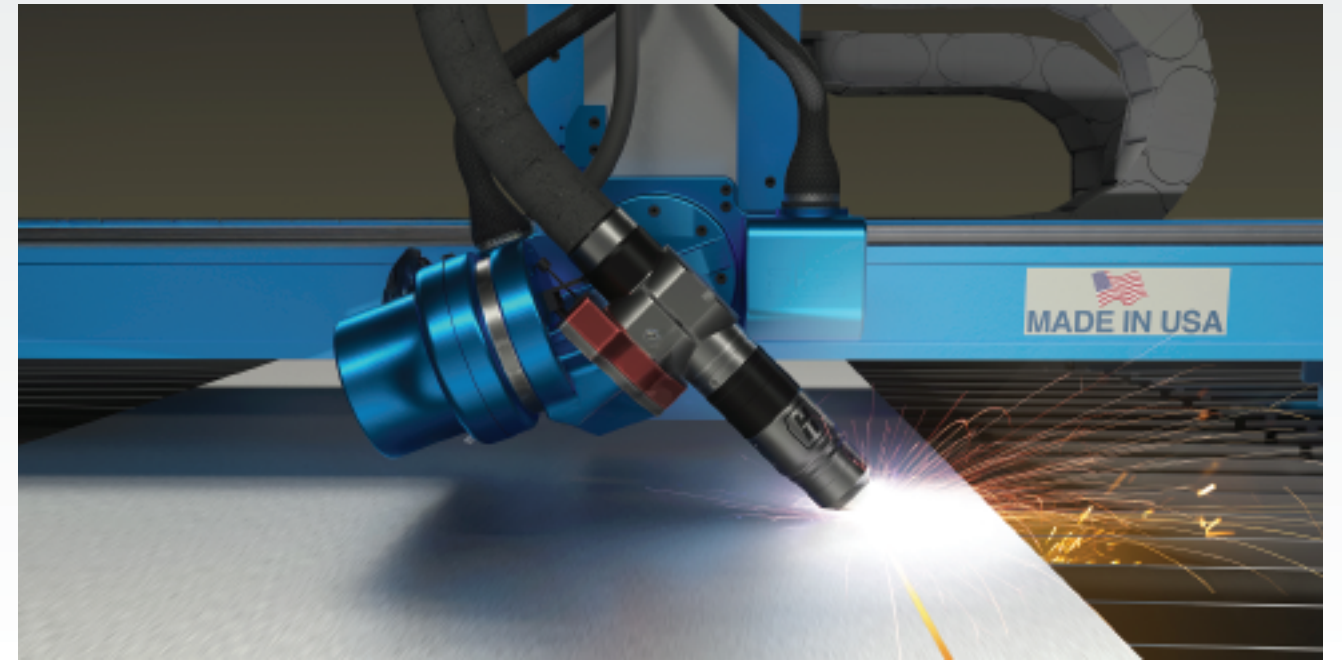
UNITIZED PLASMA TABLE

AKS Cutting Systems is a leading manufacturer of CNC cutting machines. With over 100 years of experience, we specialize in durable plasma, waterjet, and oxy-fuel systems.

Our dedication to American-made craftsmanship, exceptional customer support, and customizable solutions makes us the right partner for your needs.

visit [aksCutting.com](https://www.aksCutting.com) | call 800-962-7803 | email sales@aksCutting.com

Manufactured & Engineered by: 



Robo-kut 5 Axis Robotic Plasma Beveling System

The AKS robo-kut plasma beveling system is a US patent-protected product, offering world renowned accuracy and precision. The robo-kut increases efficiency and versatility in bevel cutting applications.

Precision Plasma Hole Cutting



1:1 Standard



1/2:1 AKS robo-kut

Weld Prep Plasma Cutting



Top Bevel (V)



Top Y



X Bevel



Bottom Bevel (A)



Bottom Y



K Bevel

aks

Would you like technical specifications? Contact us at sales@aksCutting.com

The AKS accu-kut CNC Plasma Table



Precision Machined on Mechanical Surfaces

All linear ways are machined in a single set-up operation

Robo-kut 5 Axis Plasma Beveling Systems

Weld prep cutting and precision small hole cutting

Magnetic Breakaway Torch

Reset from collisions in seconds

Removable Slide out or Lift out Slag pans

Easy table clean out

Pre-Welded Steel Frame

Heavy duty frame increases rigidity accuracy and reliability

4 Jaw Chuck

Process square or rectangular tubing or round pipe

Tube-Kut Tube and Pipe Processing System

Heavy duty tube and pipe processing

Laser Pointer

For quick plate alignment

PLASMA TOOLS

- Full Integration of Hypertherm SureCut Technology
- XPR Hy-Def Plasma Power Supplies

Water Table or Air Downdraft Table Options

Fit the machine to your shop environment

Direct Drive Servo Motors

Excellent positional accuracy, accelerate and decelerate at rapid rates

Hardened and Ground Rails

Extra durability for demanding applications

Unitized Steel Frame

X and Y motion paths are square to the table surface

Helical Rack and Pinion

Smooth, robust, high precision motion with minimal backlash

Heavy Duty Steel Flooring

No damage to your floor

CONTROLLER FEATURES

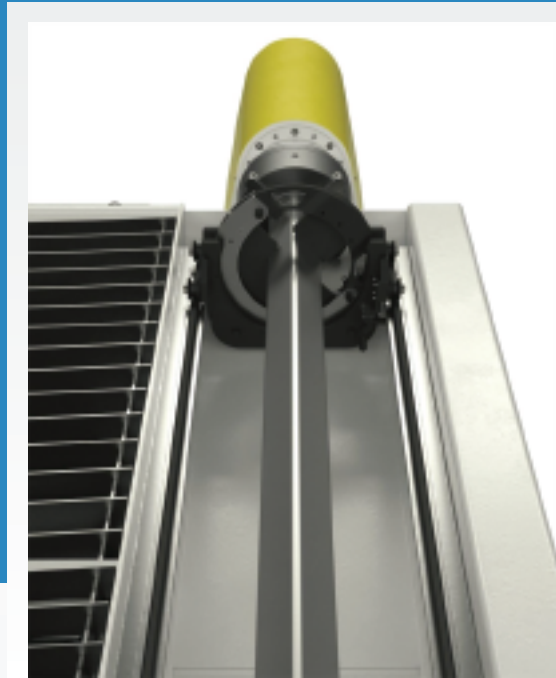
- Wireless Remote
- Hypertherm EDGE Connect Controller
- Digital Camera

IMPROVE EFFICIENCY WITH AUTOMATIC SELF CLEANING SYSTEM

- Fully Enclosed and Self Contained
- Direct Dual Chain Drive
- Continuously Cleaning
- Pull Out Refuse Pan
- Integrated Clutch
- Low Cost Sweeper Blades
- Built in Steel Floor



Scan the QR code to connect with our team and find your perfect cutting solution.



Tube-kut Tube and Pipe Cutting System

- Cuts square and rectangular tube and round pipe with precision
- Features a servo-controlled sixth-axis rotary for integrated motion
- Offers customizable fixtures for a wide range of applications
- Seamlessly integrates with CNC systems to boost productivity and reduce costs

Integrated Capabilities

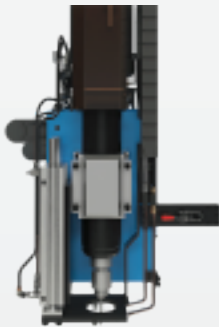
AKS accu-kut plasma tables redefine versatility in steel fabrication. Built with full steel plate construction and a direct drive motion system, these robust platforms support multiple tools — from high-definition plasma torches to marking systems and drill units — within one unified CNC system.

The advanced controller synchronizes operations seamlessly, transforming complex tasks into efficient workflows. By integrating diverse tooling types without compromising precision, AKS accu-kut systems maximize shop productivity, reduce downtime, and elevate profit margins through unmatched operational flexibility.



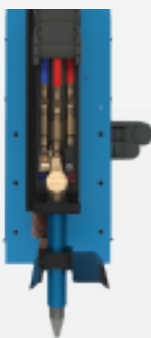
High Speed Pin Stamp Marking

Durable and tamper-proof part IDs integrated directly into your workflow.



Drill Unit with Plate Clamping

Eliminate secondary machining with synchronized drill-and-cut cycles.



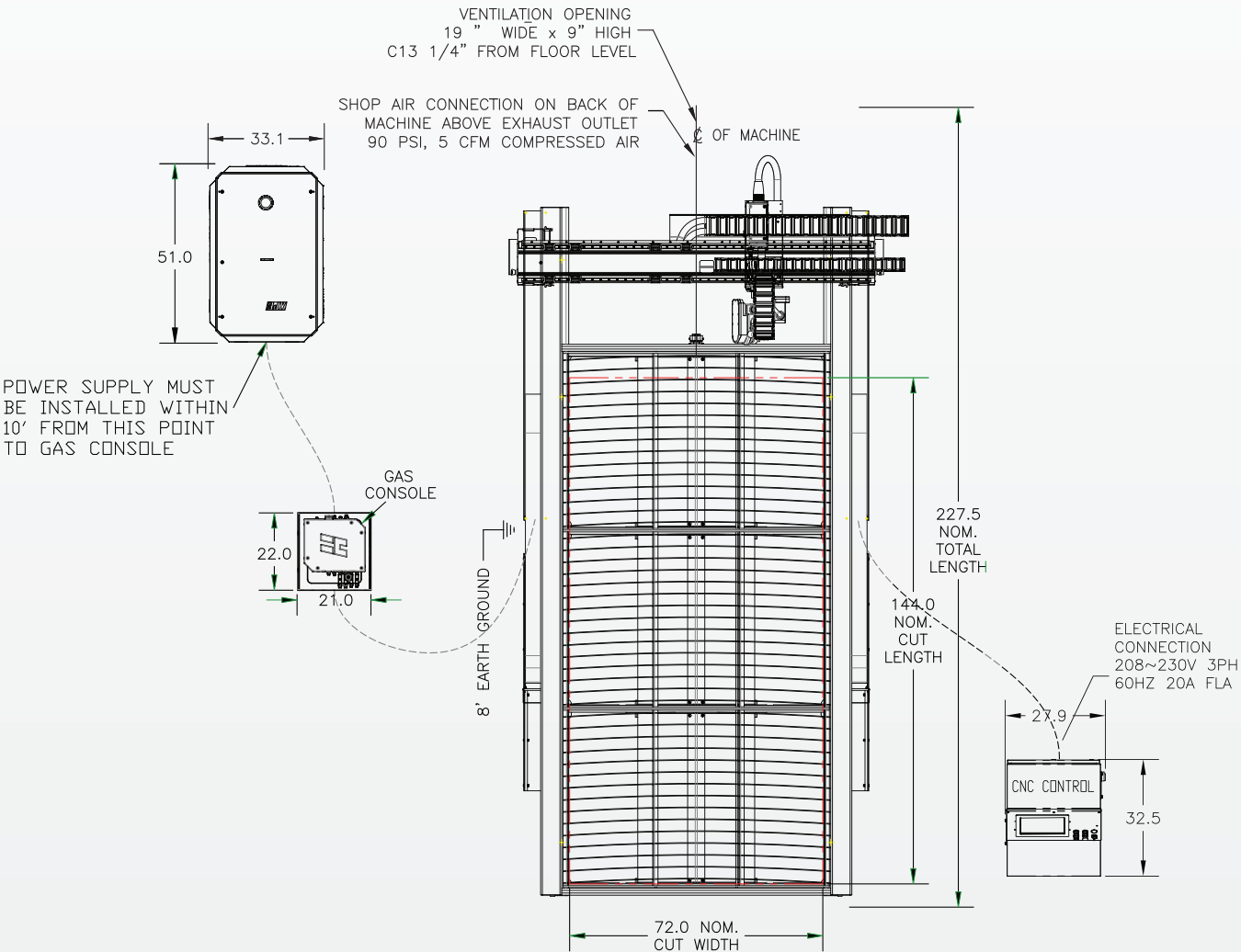
Multiple Oxy Fuel Torches

Expand your shop's capacity to cut thick steel without expanding your floor print.

PLASMA POWER SUPPLY ELECTRICAL REQUIREMENTS - XPR170 SELECT ONE OF THE FOLLOWING:					
	VOLTAGE	PHASE	FLA	INITIALS	DATE
⌘	200/208 VAC	3	117/112 AMPS		
⌘	220 VAC	3	106 AMPS		
⌘	240 VAC	3	97 AMPS		
⌘	480 VAC	3	49 AMPS		
⌘	600 VAC	3	39 AMPS		

Allow 1 m (3 ft) of space on all sides of the power supply for ventilation and service.

PLASMA POWER SUPPLY GAS REQUIREMENTS - XPR - EACH SELECT ONE OF THE FOLLOWING				
	⌘ CORE	⌘ COREPLUS	⌘ VVI	⌘ OPTIMIX
AIR	110 PSI, 250 SCFH	110 PSI, 250 SCFH	110 PSI, 250 SCFH	115 PSI, 250 SCFH
OXYGEN	110 PSI, 150 SCFH	110 PSI, 150 SCFH	110 PSI, 150 SCFH	115 PSI, 150 SCFH
NITROGEN	110 PSI, 380 SCFH	110 PSI, 380 SCFH	110 PSI, 380 SCFH	120 PSI, 380 SCFH
ARGON	NOT USED	110 PSI, 250 SCFH	110 PSI, 250 SCFH	120 PSI, 250 SCFH
F5	NOT USED	NOT USED	110 PSI, 85 SCFH	115 PSI, 85 SCFH
WATER	NOT USED	NOT USED	40 PSI, 9.4 GAL/H	40 PSI, 9.4 GAL/H
HYDROGEN	NOT USED	NOT USED	NOT USED	120 PSI, 105 SCFH
REFER TO MANUAL FOR QUALITY AND FURTHER INFO ON REQUIREMENTS				



Contact our sales team to learn more.
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AKS Cutting Systems is an authorized SureCut Technology channel partner of Hypertherm power supply units, CAD/CAM Software, and CNC packages, representing Hypertherm products both domestically and internationally.

