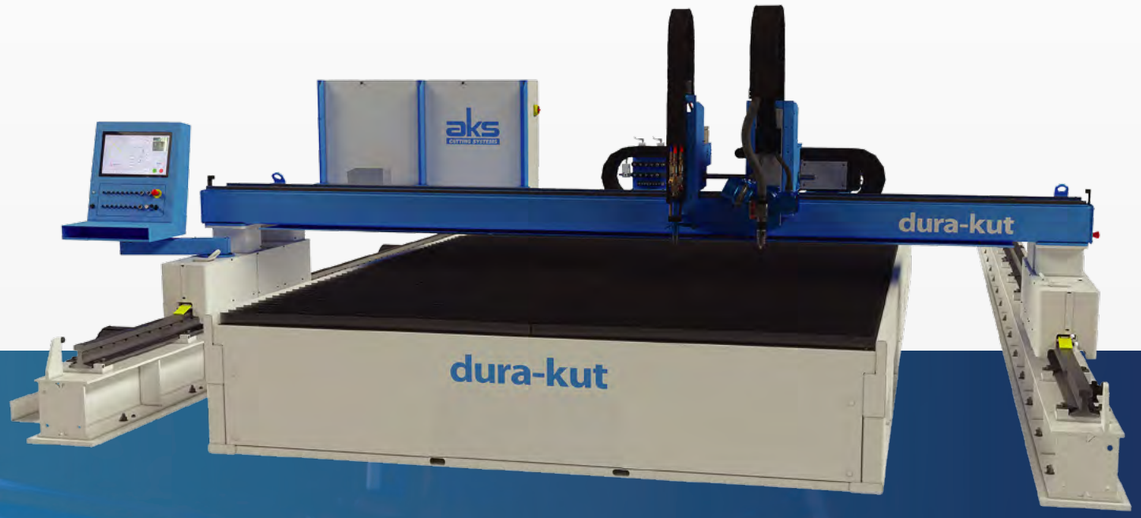
dura-kut
PLASMA CUTTING

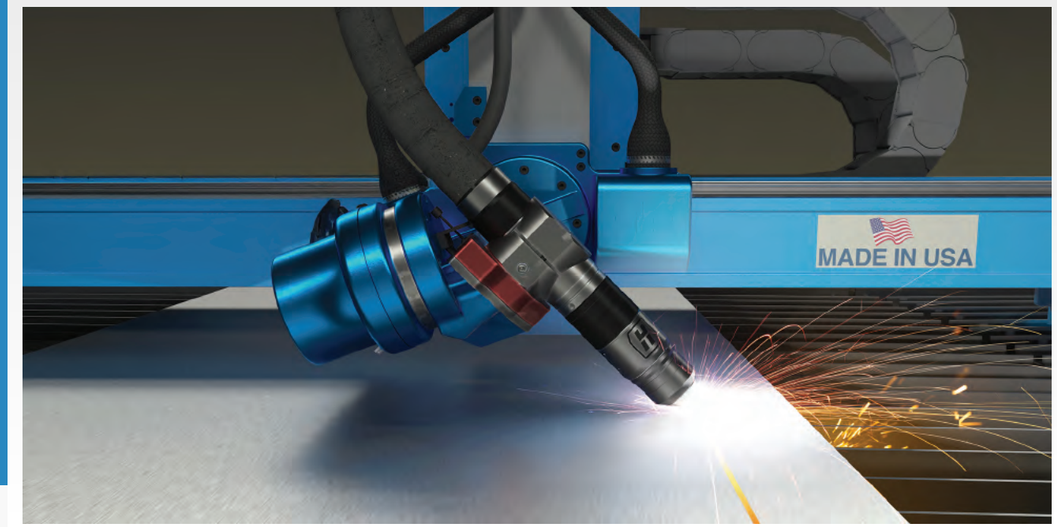


ABOUT AKS CUTTING SYSTEMS

For over a century, AKS Cutting Systems has been creating high-quality CNC cutting machines for a range of industries. From plasma to waterjet systems, our equipment is designed for strength, reliability, and long-term performance. We take pride in our American-made quality and offer unmatched customer support. Additionally, our customizable solutions make us a go-to provider for countless businesses across the globe.

visit **akscutting.com** | call **800-962-7803** | email **sales@akscutting.com**

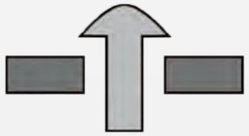
Manufactured & Engineered by: aks CUTTING SYSTEMS



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

MADE IN THE USA

Gantry-style bridge
Widths up to 30 feet offered for greater support, stability, and accuracy

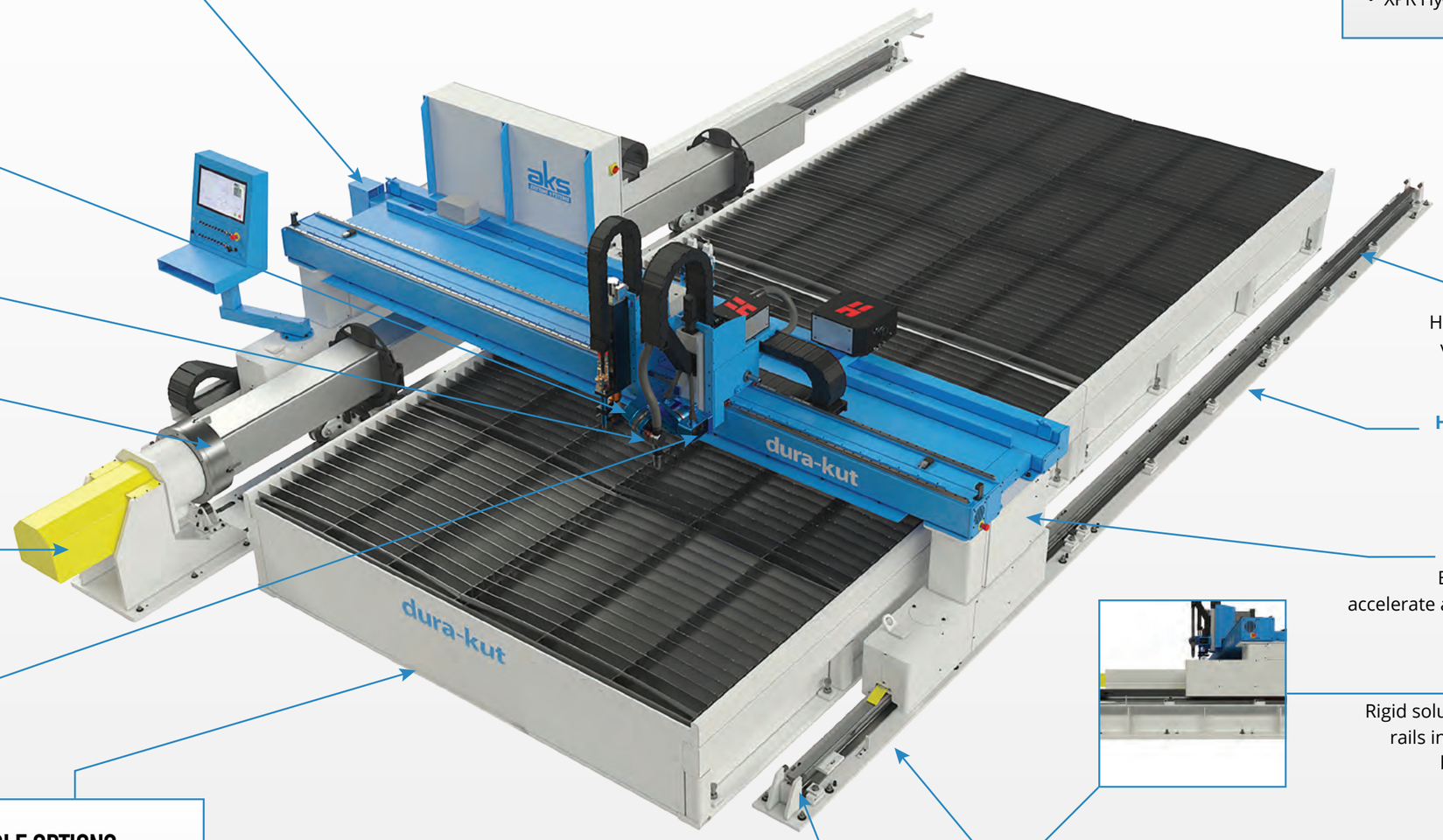
Robo-kut 5 Axis Plasma Beveling Systems
Weld prep cutting and precision small hole cutting

Magnetic Breakaway Torch
Reset from collisions in seconds

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

X-Axis Drive
Heavy-duty dual synchronized vertical rack and pinion drive

Hardened and Ground Rails
Extra durability for demanding applications

Direct Drive Servo Motors
Excellent positional accuracy, accelerate and decelerate at rapid rates

Steel H-Beam Option
Rigid solution for supporting machine rails in applications requiring a low bridge and less moving mass

Floor Plates
Improves material handling and ease of system operation

Modular Rail Extensions
Extend cutting length in 10 foot sections to virtually any cutting envelope

CONTROLLER FEATURES

- Wireless Remote
- Hypertherm EDGE Connect Controller
- Digital Camera

TABLE OPTIONS

- Downdraft Tables
- Water Tables
- Self-Cleaning Tables
- Self-Fabricated Tables

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
- Supports 2” to 12” square or rectangular materials and 2” to 24” round materials

Integrated Capabilities

The AKS dura-kut plasma table is a leading solution for heavy-duty cutting applications. Built with full steel plate construction and a direct drive motion system, this machine supports multiple tools — from high definition plasma torches to marking systems and more — 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, the dura-kut maximizes shop productivity, reduces downtime, and elevates profit margins.

Marking and Etching Technology

The dura-kut makes it easy to mark bendlines, weld points, or any other shape.

Drill Unit with Plate Clamping

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

Multiple Plasma or Oxy-Fuel Torches

Expand your shop’s capacity to cut thick steel without expanding your floor plan.

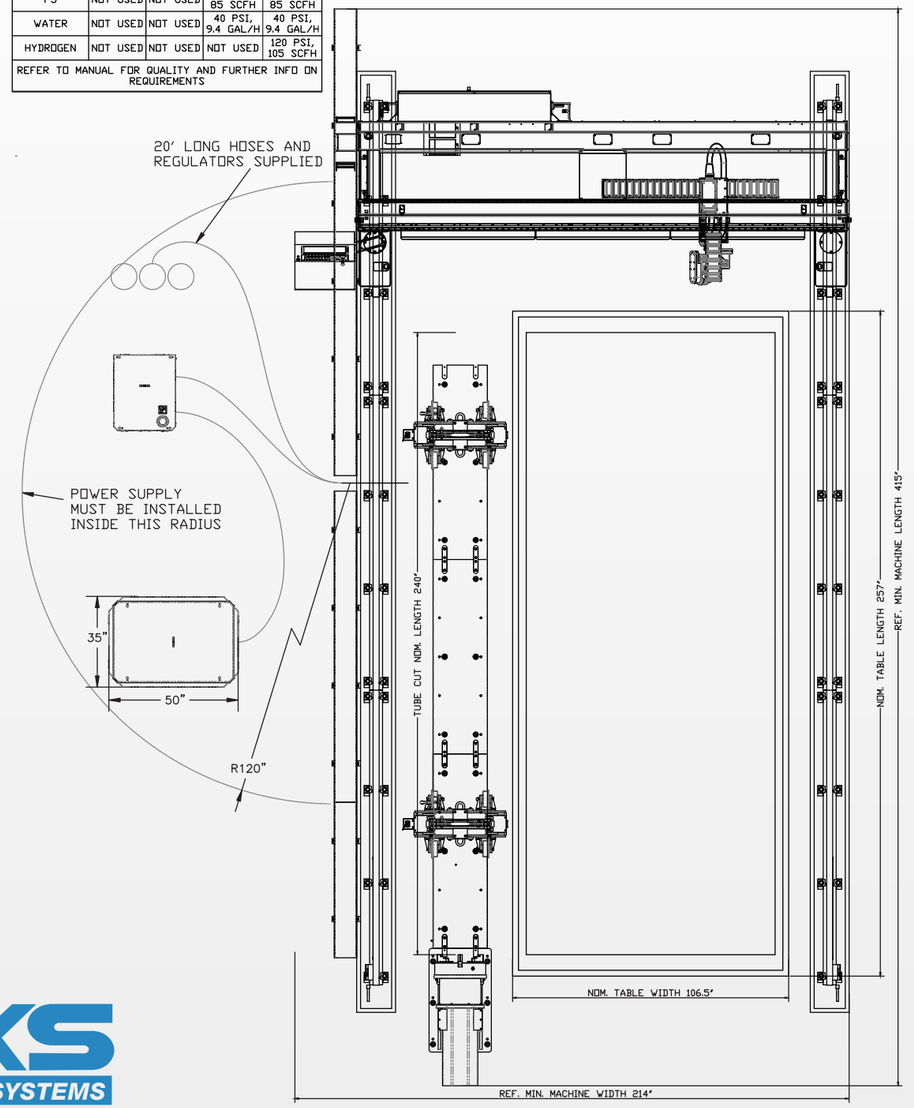
Contact our sales team to learn more.
visit **akscutting.com** I call **800-962-7803** I email **sales@akscutting.com**

PLASMA POWER SUPPLY GAS REQUIREMENTS - XPR - EACH SELECT ONE OF THE FOLLOWING				
	CORE	COREPLUS	VWI	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				

AVAILABLE LENGTHS
20’
30’
40’
50’
60’+
70+

AVAILABLE WIDTHS
8’
10’
12’
14’
16’
18’+

PLASMA POWER SUPPLY ELECTRICAL REQUIREMENTS - XPR SELECT ONE OF THE FOLLOWING:				
VOLTAGE	PHASE	170 FLA	300 FLA	460 FLA
200/208 VAC	3	117/112 AMPS	206/198 AMPS	334/322 AMPS
220 VAC	3	106 AMPS	188 AMPS	304 AMPS
240 VAC	3	97 AMPS	172 AMPS	279 AMPS
480 VAC	3	49 AMPS	86 AMPS	139 AMPS
600 VAC	3	39 AMPS	79 AMPS	112 AMPS



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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.

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