



# ACS

**ADVANCED  
MANUFACTURING  
SOLUTIONS**  
A Hybrid Technology Company



**aks**  
**CUTTING SYSTEMS**

# ACS / AKS FAMILY OF PLASMA CUTTERS

**TECHNOLOGY FOR TRADITIONAL  
MANUFACTURING & FABRICATION.**



**PLASMATIC**  
**PRO**

## **INDUSTRY EXPERTISE**

Delivering the ACS Suite of ASK Plasma Cutting capabilities for companies serving Traditional Manufacturing and Fabrication sectors, Aerospace, Automotive markets, Oil & Gas, Commercial Marine, RV, Composites.



A Trusted Partner Serving Customers in the Pacific Northwest (US) and Western Canada.

[www.acs-iws.com](http://www.acs-iws.com)



# PLASMATIC<sup>™</sup> [PRO]

## Premier Production-Grade Plasma Cutting Starts Here.

Designed as an upgraded version of the acclaimed PLASMATIC, the PLASMATIC Pro sets a new standard in production-grade CNC plasma cutting machines. It delivers exceptional performance, ease of operation, and unparalleled precision that you won't get with competitors' products.

The PLASMATIC Pro is highly customizable, just like all of our machines. With countless options available, you can create the perfect machine for your operation.



### SPECIFICATIONS

Motion Accuracy	0.005" per 3 feet of motion
Travel Speed	1200 ipm
Screen Size	19-inches
Max Cut Depth	3 inches
Max Cut Width	Up to 6
Max Cut Length	Up to 12 * MACHINE TOOL LAYOUT – 6'X12' DOWN DRAFT TABLE

5'x10' layout available upon request.

ACS. One Partner for Sales & Service in the Pacific Northwest (US) & Western Canada.

**Hypertherm<sup>®</sup>**  
SHAPING POSSIBILITY<sup>™</sup>

### POWER SUPPLY AND GAS OPTIONS

High Definition Performance	PRODUCTION PIERCING CAPACITY			
		MILD STEEL	STAINLESS STEEL	ALUMINIUM
	MAXPRO 200	1-1/4"	1"	1"
	XPR 170 CORE	1-3/8"	7/8"	1"
	XPR 170 CORE PLUS	1-9/16"	7/8"	1"
	XPR 170 VWI	1-9/16"	7/8"	1"
	XPR 170 OPTIMIX	1-9/16"	7/8"	1"
	XPR 300 CORE	1-3/4"	1-1/2"	1-1/2"
	XPR 300 CORE PLUS	2"	1-1/2"	1-1/2"
	XPR 300 VWI	2"	1-1/2"	1-1/2"
	XPR 300 OPTIMIX	2"	1-1/2"	1-1/2"

High Definition Performance	CUT SPEED ON 1" MATERIAL (IN/MIN)			
		MILD STEEL	STAINLESS STEEL	ALUMINIUM
	MAXPRO 200	55	40	40
	XPR 170 CORE	45	15	30
	XPR 170 CORE PLUS	45	15	30
	XPR 170 VWI	45	30	30
	XPR 170 OPTIMIX	45	20/30	35
	XPR 300 CORE	75	55	60
	XPR 300 CORE PLUS	75	55	60
	XPR 300 VWI	75	50	50
	XPR 300 OPTIMIX	75	40/50	80

### Features

- Unitized Construction
- Hypertherm Torch Height Control
- Magnetic Torch Breakaway
- Protected Dual Rails
- Laser Pointer
- Helical Rack and Pinion
- Linear Bearings
- Edge Connect CNC Controller

### Options

- Air Scribe
- Oxy-fuel Torch
- 2" or 4" Riser Blocks

### TABLE FEATURES – DOWN DRAFT

- Multi-zoned Down Draft
- Optional – Imperial Dust Collectors

### TABLE FEATURES – WATER

- Built-in Air Bubbler
- Water Raise/Lower Bladder







# PLASMATIC

## ENGINEERED FOR EFFICIENCY, BUILT FOR SUCCESS

If you're seeking an efficient, high-volume plasma cutter, look no further than the PLASMATIC. Designed to deliver the highest level of accuracy with the lowest threshold for getting it up in running, this plug-and-play machine is ready to cut as soon as it's connected to a power supply.

AKS is backed by more than 100 years of machine-building experience and we've developed this streamlined plasma cutter to serve your precise needs with the high-performance, high-quality machine you deserve.



### SPECIFICATIONS

Motion Accuracy	+/- 0.010" per 3 feet of motion
Travel Speed	800 ipm
Screen Size	19-inch touchscreen with keyboard and mouse
Max Cut Depth	1.25 inches
Max Cut Width	Up to 6 feet
Max Cut Length	Up to 12 * WATER TABLE - 6'x12' DOWN DRAFT TABLE

5'x10' layout available upon request.

ACS. One Partner for Sales & Service in the Pacific Northwest (US) & Western Canada.

**Hypertherm**  
SHAPING POSSIBILITY™

### Customize your equipment to match your unique material, business, and facility requirements.

AKS PLASMATIC™ tables utilize industry-leading Hypertherm plasma power supply units and ProNest CNC control & software, backed by over 100 years of AKS machine-building experience, to bring you the new industry standard for performance and durability in a streamlined, production-grade plasma cutter.

#### MaxPro200 Dual-Gas Power Supply

Engineered for Heavy-duty applications and able to pierce up to 1-1/4" mild steel, with dual-gas oxygen cutting for superior quality and capacity.

#### PowerMax Air/Air Power Supplies

Reduce cost, without sacrificing reliability with traditional Air/Air plasma supply units.

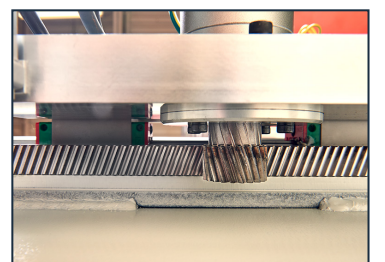
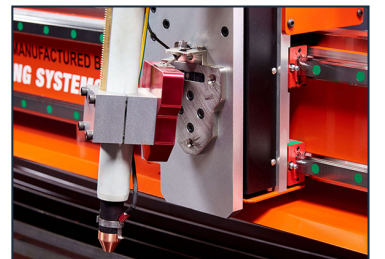


### All Models Include

- Unitized Construction
- Helical X & Y axis Rack & Pinion Drives
- Replaceable Steel Table Slats
- Crosshair Laser Pointer
- Hypertherm Automatic Torch Height Control
- Hypertherm ProNest Programming Software
- Hypertherm EDGE Connect CNC Controller
- 19 inch Touch Screen Operator Console
- Plug & Play Self-Installation
- One Year Warranty
- Consumables Start-up kit
- Magnetic Torch Breakaway
- Protected Dual Rails
- Linear Bearings

### Options

- Water Table or Downdraft
- Air Scribe
- Built-In Air Bubbler
- 3 day factory installation
- Roller Ball Hold Down Lifter
- 2" Riser Blocks
- Oxy-Fuel Cutting Torch
- 6'x12' water table
- Plasma Quench for Water Table





# accu-kut

## Streamline Operations with the Largest Unitized System on the Market

When you need a durable, trustworthy plasma cutting table, trust the accu-kut from AKS Cutting Systems. Combining Hypertherm SureCut™ plasma technology with our century of machine building expertise, the accu-kut is a leader in the plasma cutting space.



### SPECIFICATIONS

Motion Accuracy +/- 0.003-inch per 3 feet accuracy of motion

Travel Speed 1200ipm travel speed

Screen Size 19-inch color touch screen console

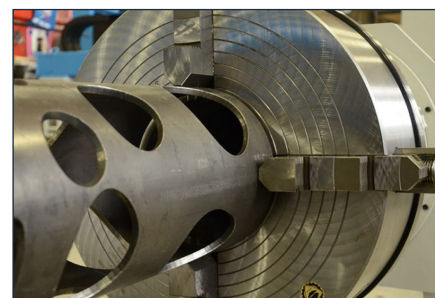
Software Local license of ProNest 2025

Max Cut Depth Cuts material up to 8 inches thick

Max Cut Width Up to 10 feet depending on machine size

Max Cut Length Up to 60 feet depending on machine size

### Tube-kut Tube and Pipe



### 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.



### 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



Top Bevel (V)



Top Y



X Bevel



Bottom Bevel (A)



Bottom Y



K Bevel

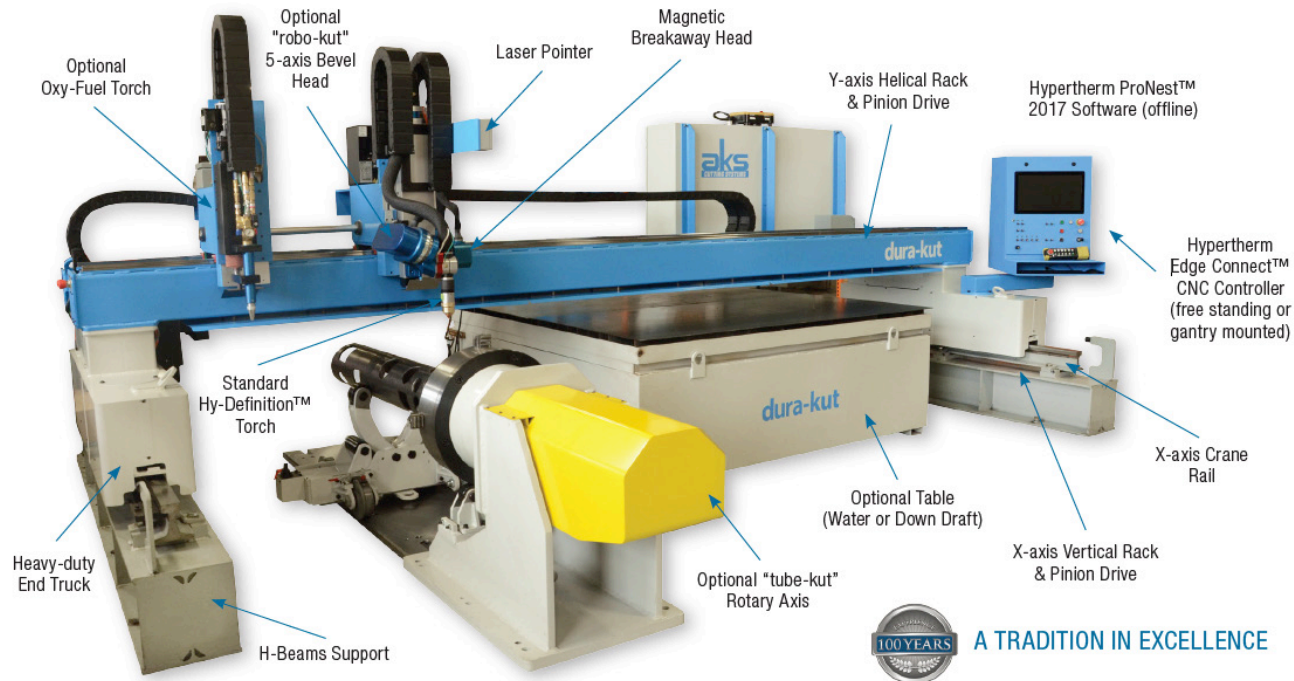




# dura-kut

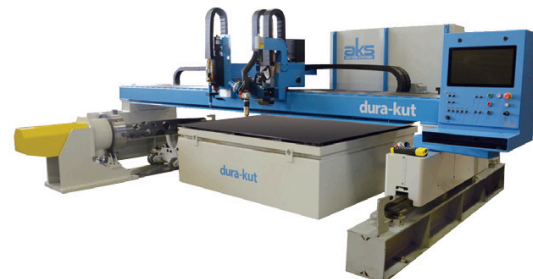
## Industrial Plasma Cutter Perfect for Large, Thick Plate Applications

The AKS Cutting Systems “dura-kut” is a large format, traditional gantry style bridge plasma cutting system with heavy-duty features, robust design, multiple torch technology, and premium performance. The AKS “dura-kut” is a CNC x-y programmable plasma cutting system that combines the best of Hypertherm SureCut™ Technology with over 100 years of AKS superior machine experience.



### SPECIFICATIONS

Motion Accuracy	+/- 0.006-inch per 3-feet accuracy of motion
Travel Speed	1200 ipm travel speed
Screen Size	19" color touch screen console
Max Cut Depth	Up to 16 inches
Max Cut Width	Up to 30 feet
Max Cut Length	Up to 200 feet in 10-foot increments



The AKS “dura-kut” is also available in the “dura-max” model which is an extra heavy-duty version specifically designed for wider width bridge beams and heavier loads for multiple torches and multiple carriages. The AKS “dura-max” comes in widths of 16’, 18’, 20’, 22’ and 24’ and offers multiple plasma torches, both straight and AKS “robo-kut” 5-axis Bevel Head, and multiple oxy-fuel torch(es) technology.

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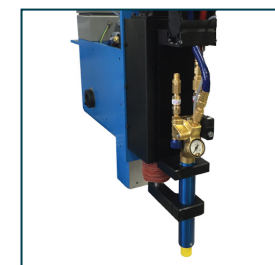
The AKS “dura-kut” is designed to handle large plasma cutting projects for larger and thicker plate cutting with independent table, separate from machine frame, and can include optional oxy-fuel torch cutting, multiple plasma torches, and multiple bridges.

The AKS “dura-kut” uses the same controls, motors, drives and controller as all AKS Cutting Systems achieving superior motion accuracy and precision.



### AKS robo-kut

**AKS robo-kut** – is the most powerful plasma cutting 5-axis bevel head in the industry and is protected by several U.S.



### Oxy-Fuel Torch

**Oxy-Fuel Torch** – The Oxy-Fuel torch is powered by either independent servo control, or mechanical slave linkage.

### Features & Benefits

- Heavy-Duty Machine Design for larger & thicker plate cutting
- X-axis Dual Synchronized Vertical Rack & Pinion Drives on both sides
- Y-axis Bridge Helical Rack & Pinion Drive
- Z-axis Hypertherm Sensor™ Advanced Torch Height Control (THC)
- Heavy-Duty End Truck Design including Servo Drive Motors, Gearbox and Bearings
- Oversized Wheel Bearings and Long Wheel Base for Stability and Precision
- Direct Mechanical Pinion Loading to Rack (no forced engagement) with Ultra-Low Backlash
- Heavy-Duty Crane Rail X-axis
- Hypertherm Hy-Definition HPR and XPR Family Plasma Power Unit & Torch
- Hypertherm Auto Gas Control Console
- Optional Water Table or Down Draft Table
- Magnetic Breakaway Torch
- Laser Pointer for Plate Alignment and Location Finding
- Hypertherm Edge Connect™ CNC Controller (Free Standing or Gantry Mounted)
- 19" Color Touch Screen Operator Control Console
- Hypertherm ProNest™ Programming Software
- +/- .006" per 3' Positioning Accuracy of Motion
- 1200 ipm travel speed
- Optional AKS “robo-kut” 5-Axis Bevel Cutting Head
- Optional AKS “tube-kut” Rotary Axis Tube/Pipe Cutting Unit
- Optional Oxy-Fuel Torch(es) for Thick Steel Cutting

**Connect with us to Learn More about Machine Configurations, Specs and Layout Options.**



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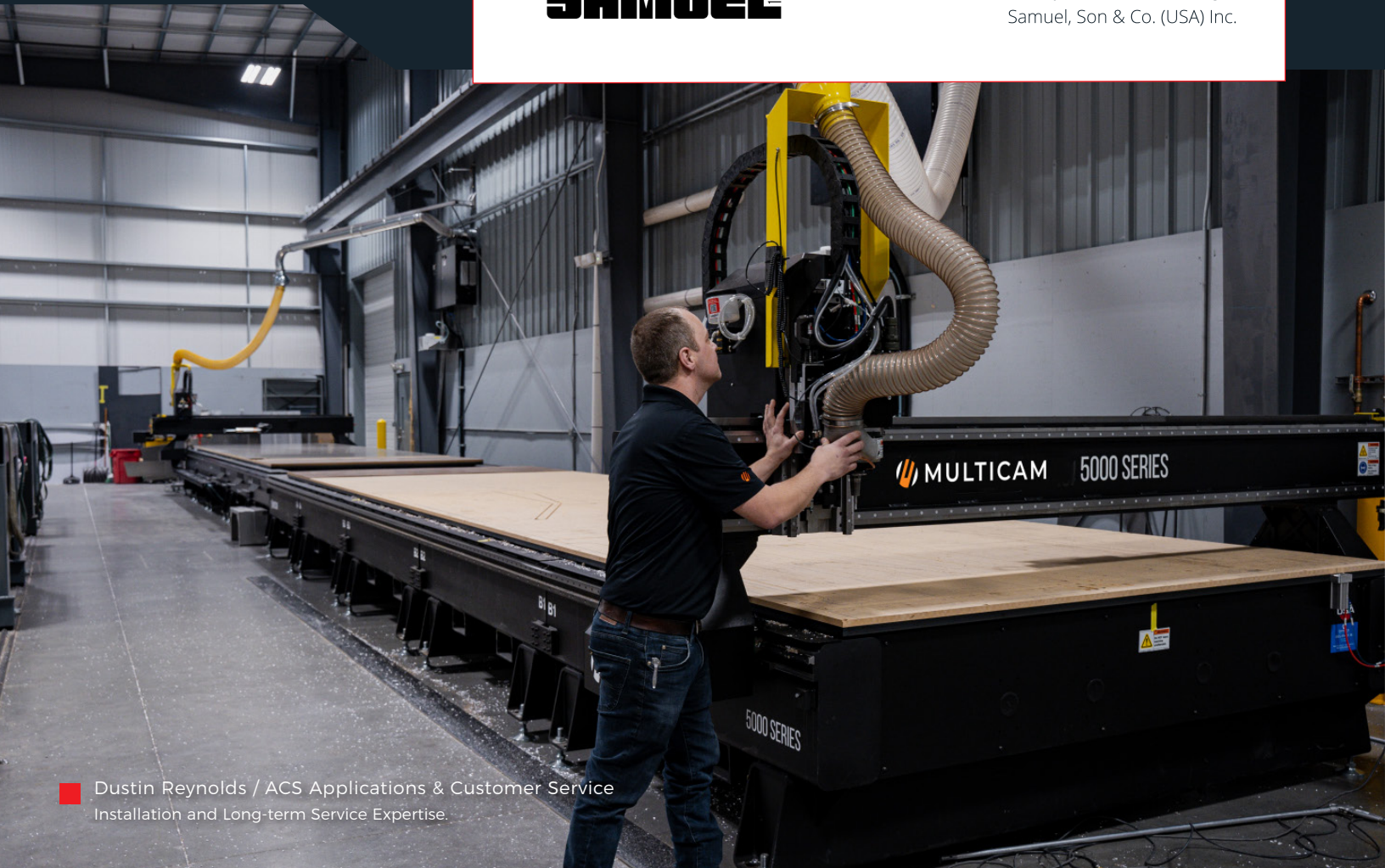
## ACS Applications Specialists

ACS is a team of collaborating application specialists, providing curated Advanced Industrial Manufacturing Solutions with integrated consulting and long-term services and support. The technologies and services that ACS offers to established manufacturers in the Pacific Northwest and Western Canada. We provide the highest level of expertise, application knowledge and ongoing onsite regional service and partnership, focused on helping build growth for our customers through advanced industrial manufacturing technology applications.

**“** As each of you very well know, any piece of equipment is only as good as the company that stands behind it. Your exceptional service and equipment knowledge provides Samuel with the solutions we need! **”**



- Mike Van Dyke / General Manager  
Samuel, Son & Co. (USA) Inc.



Dustin Reynolds / ACS Applications & Customer Service  
Installation and Long-term Service Expertise.



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# Let's Connect.

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