



CUTTING

ShopProXHD[™] KATANA

HIGH-DEFINITION CNC PLASMA & OXY-FUEL CUTTING MACHINE



SIMPLY BETTER BUILT.





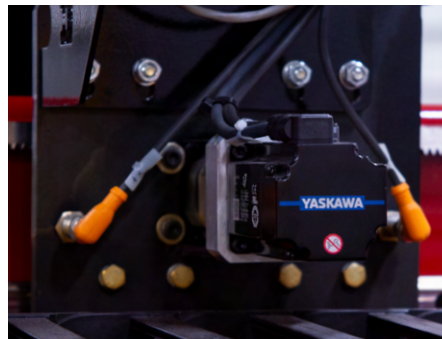
NEXT-GENERATION HIGH PERFORMANCE CUTTING TECHNOLOGY.

The ShopProXHD™ Katana™ combines the industry-leading Koike design and manufacturing with the breakthrough Katana controller. Fitted with a fully integrated, UL Certified electrical panel and superior drive control components for greater precision and smoother motion throughout the entire cutting range, we've eliminated the need for most secondary operations. The ShopPro XHD™ Katana™ brings high-quality output, improved productivity, and performance beyond any other machine in its price range.



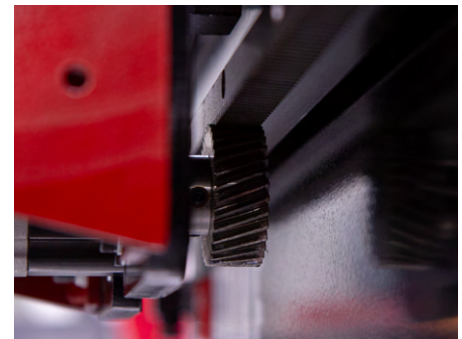
Omnidirectional Roll-Around CNC Command Center:

Pedestal provides the operator with an optimum vantage point for both safety and comfort.



Sigma-7 Servo Drives & Motors:

Provide faster response times, modernized communications, outstanding reliability and improved safety features.



Dual Side Drive - Helical Gear Rack - Precision Ground Linear Guideways:

Designed for tighter tolerance, longer service life under high torque.

Battery-less Absolute Encoders:

Remembers its position after a power outage or post-part recovery and offers continuous real time true position monitoring. Increased programming flexibility – no need to reestablish 'home' when powered on.

SIMPLY BETTER BUILT.

KATANA™ CNC CONTROLLER WITH 21.5" TOUCH SCREEN



FEATURES AND BENEFITS



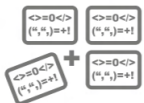
Industrial Panel PC

- 21.5" TFT display with capacitive multi-touch screen.
- Solid aluminum, machined billet housing
- Windows® 10 IoT Enterprise
- Built in Operator Control Console



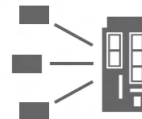
Increased Productivity

Innovative software makes it easy for the operator to produce high quality parts from day one.



Integrated Communications

Advanced interfaces for the plasma and torch height control systems provide the user with expert cutting process controls using preprogrammed cutting charts.



Intelligent System Functions

Intelligent control algorithms, along with premium drive and motor technology, ensure the highest dynamic response and precision when cutting or marking.



Remote Diagnostics and Servicing

Provides expert on-line support from our factory to yours.

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■ Laser Pointer

Provides operator with a clear visual indicator for plate alignment and torch positioning.

■ Lifter

Torch height control utilizes servo drive for fast positioning. Linear guideway with ball screw provides improved precision and motion. Reverse mounting of the lifter paired with a stainless steel cover provides ample protection to the mechanicals from the harsh cutting environment.

■ Deep Cutting Table

More cutting between clean outs; stores three times more slag than other shallow table designs.

■ Forklift Pockets

Forklift pockets for easy installation and relocation housed right into its fully welded frame. (Note: A forklift truck is required at each end when lifting from short side).

■ Curved Removable Cutting Slats

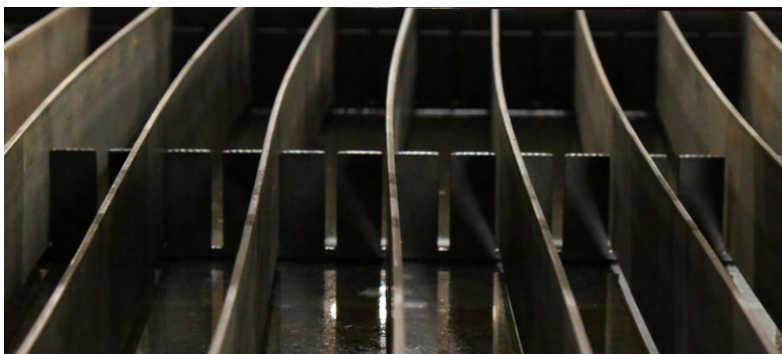
Two removable slat support frames are designed to make clean out easier. Curved cutting slat design minimizes impact on work piece and increases time between slat replacement.



Laser Pointer



Torch Lifter



Curved Removable Cutting Slat Frame



Deep Table with Forklift Pockets

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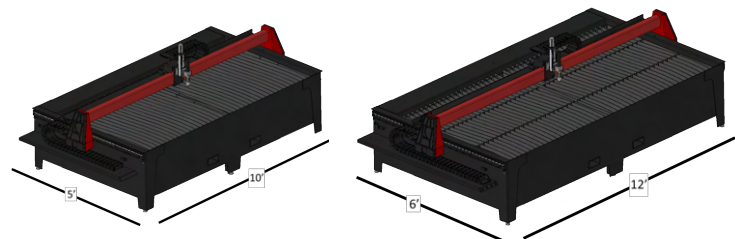


ShopProXHD[™]

KATANA

YOUR CHOICE BETWEEN TWO TABLE SIZES

Meet your personal production and space requirements with two sizing options.



▪ KOIKE 300L Oxy-Fuel Cutting Torch

Koike cutting tips are one of the most technically advanced of its kind, assuring greater safety in reducing the risk of flashback and backfire, while providing unmatched cutting quality. And when not in use, the oxyfuel torch can be parked on the backside of the torch carriage.

Features a lifetime warranty when using genuine KOIKE cutting tips.



Oxyfuel torch option

▪ Pneumatic Scribe Marker

Create single point marks (drill mark) or scribed lines on mild steel, stainless steel, and aluminum. Mark bend lines, parts and serial numbers, names and custom designs.

- Fixed Location on Master Carriage
- Marking Software Included
- Manual On/Off
- 4" Stroke



Pneumatic scribe option

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HYPERTHERM

XPR™ advances **HyDefinition®** cut quality by blending new technology with refined processes for next generation, X-Definition cutting on mild steel, stainless steel and aluminum. using the same cutting

The **XPR™** system increases cut speed, dramatically improves productivity and slashes operating costs. New ease-of-use features and engineered system optimization make XPR easier to run with minimal operator intervention and the same cutting consumables while also ensuring optimal performance and unmatched reliability.

Features **Hypertherm® True Hole®** Technology
Bolt hole quality is delivered automatically without operator intervention allowing for a more-precise cut.

Hypertherm® XPR170® and XPR300®



Hypertherm® MAXPRO 200®



The **MAXPRO200®** LongLife® plasma cutting system is engineered for heavy-duty, high capacity automation.

The easy-to-use system operates with either air, oxygen, or nitrogen plasma gas, and combines fast cutting speeds and quick process changes to maximize productivity.

Advanced Hypertherm consumable designs – including LongLife® technology – improve cut consistency and significantly increase consumable life to lower your cost per part.

Hypertherm	XPR170®		XPR300®		MAXPRO200®	
Plasma Type	X-Definition™		X-Definition™		LongLife®	
Cutting Current	170 Amps		300 Amps		200 Amps	
Pierce Capacity Thickness	mm	inches	mm	inches	mm	inches
Mild Steel (argon-assist)	40	1-9/16	50	2	N/A	N/A
Mild Steel (standard O ₂)	35	1-3/8	45	1-3/4	32	1-1/4
Stainless Steel	22	1-3/8	45	1-3/4	20	3/4
Aluminum	25	1	38	1-1/2	20	3/4
Plasma Marking	Yes		Yes		No	

*Specifications are subject to change without notice

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KJELLBERG

For more than 60 years, Kjellberg has been one of the global market leaders supplying high-quality, high-precision plasma cutting systems and consumables. And now this German-engineered plasma cutting technology is available and supported in North America.

Kjellberg's complete portfolio of innovative and adaptable cutting technology helps metal fabricators to make the most precise cuts with its standardized components, offering intelligent and simple-to-use systems for a high speed, low consumption cutting solution.

KJELLBERG® SMART FOCUS 200®, 300®, 400®



Features Kjellberg's Contour Cut Technology

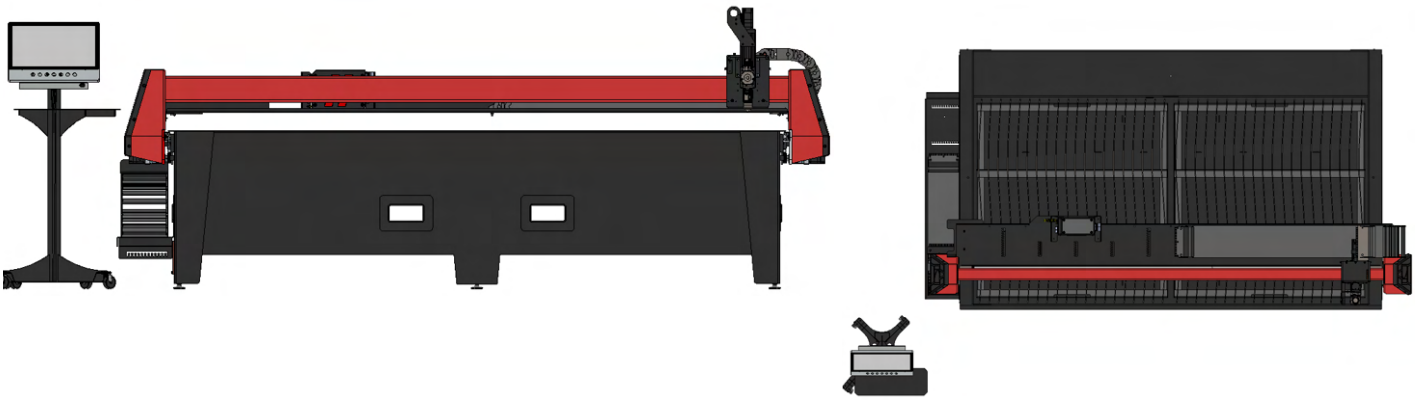
Performs small contours, narrow webs and bolt holes with a diameter to material thickness ratio of 1:1, resulting in excellent quality parts cut with mild steel.

Contour Cut Speed allows the cutting of contours with a speed that is up to 50 % faster, producing precise cuts and higher cutting speeds. The unique cooling system up to the torch tip guarantees longest consumable life and reduces the gas consumption.

Kjellberg	Smart Focus 200		Smart Focus 300		Smart Focus 400	
Plasma Type	HiDef		HiDef		HiDef	
Cutting Current	200 Amps		300 Amps		400 Amps	
Pierce Capacity Thickness	Inches	in/min	Inches	in/min	Inches	in/min
Mild Steel	1 ¼	39	1 ¾	31	2	31
Stainless Steel	1 ¼	24	1 ¾	22	2	22
Aluminum	1 ¼	24	1 ¾	47	2	47
Plasma Marking	Yes		Yes		Yes	

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ShopProXHD KATANA	SPXHDK-510	SPXHDK-612
Effective Cutting Area	5 ft x 10 ft	6 ft x 12 ft
Effective Cutting Width	122-1/2 in	146-1/2 in
Effective Cutting Length	64-1/2 in	77 in
Rapid Traverse Speed	2000 IPM	2000 IPM
Machine Width	161 in	185 in
Machine Length	97-3/8 in	109-3/8 in
Machine Weight	4950 lb	5750 lb
Tool Capacity	2	2
Water Capacity	590 gallons	825 gallons
Table Capacity	2 inch Mild Steel	
Machine Voltage	208-240/1/60 @ 25 amp	
CNC Controller	Katana 21" Touchscreen Panel PC	
Drive System	Yaskawa Sigma 7 Servo Drives and Motors with battery-less absolute encoder technology	
Table Type	Water or Dual Zone Downdraft	
Rack and Pinion Drive System		
Gear Reduction	(3) Precision Helical 15:1 gearboxes	
Linear Guidance	25mm Profile Linear Rail, 30mm Gantry	
Gear Engagement	Direct Drive Helical Rack and Pinion	
Gantry Carriage	Solid Steel Construction	
Machine Repeatability	0.0015"	
Frame Construction	7 Gauge Mild Steel	

*Specifications are subject to change without notice



Simply better built – for over 100 years. Our strictly controlled manufacturing and production processes ensure we have the highest-quality machines with the most reliable performance. We collaborate with our customers to produce the right machine for their needs within a range of budgets. Visit Koike.com/home for more information or contact your local distributor.



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CUTTING



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