



CUTTING

ShopProXHDTM

CNC PLASMA & OXY-FUEL CUTTING MACHINE



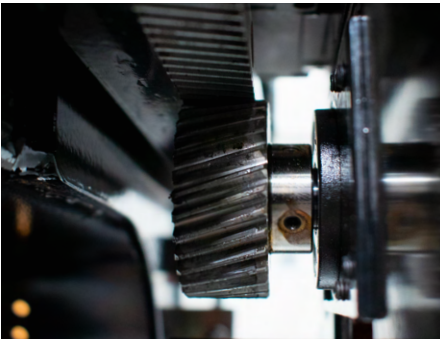
SIMPLY BETTER BUILT.





SHOPPROXHD: REDEFINING THE ICONIC SHOPPRO PLATFORM.

The ShopProXHD™ represents the evolution of high-performance cutting machines, marking another stride in Koike's century-long legacy of excellence. Embodying the principles of "Built to Last," the ShopProXHD™ was developed in response to valuable feedback from fabricators and metalworkers, ensuring the same unrivaled reliability and precision characteristic of all Koike cutting systems by combining premium features with compact design, catering to the needs of fabricators, even in limited workspace.



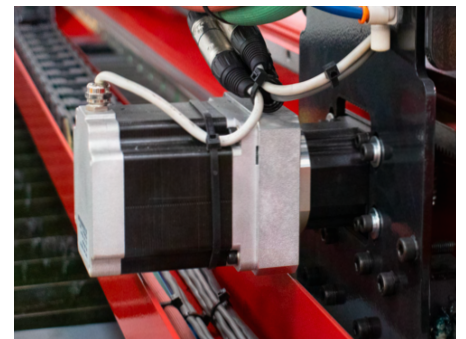
Dual Side Drive with Helical Gear Rack with AGMA 12 Grade Ground Pinions:

Ensures smooth, accurate motion with minimal vibration.



Precision Ground Linear Guideways With Preloaded Linear Bearings:

Designed for tighter tolerance, longer service life and high output.



Precision Helical 10:1 Gearboxes:

Helical 10:1 Gearboxes with 550 oz-in NEMA-34 servo motors deliver precise, smooth, and accurate motion for superior cut quality.

ShopProXHD™ — Everything You Love, Taken Further:

The ShopProXHD™ keeps everything fabricators love about the ShopPro™ platform and pushes it to the next level. With increased plasma capabilities paired with a deeper cutting table for longer time in between cleanouts (three times more slag capacity than shallow table designs), the ShopPro XHD™ delivers precision, endurance, and the same rugged reliability ShopPro™ is known for.

SIMPLY BETTER BUILT.

21" ALL-IN-ONE MOTION CONTROLLER PC



FEATURES AND SPECIFICATIONS

- **21-Inch All-in-One PC**
- **Windows® 11 Embedded**
- **Enclosed Roll-A-Round Cabinet**
With **4 industrial casters (and 2 brakes)**.

HARDWARE SPECIFICATIONS:

- **Intel® i5 Processor (Or Equivalent)**
- **256GB SSD Hard Drive**
- **8GB DDR3 RAM (Or Better)**
- **USB 2.0 Ports (x5)**
- **Included Keyboard and Mouse**

ADDITIONAL FEATURES:

- **Built-in Wireless Communication**
Enables **remote diagnostics, troubleshooting, and monitoring** for quick error response.
- **Built-in Emergency Stop Button**

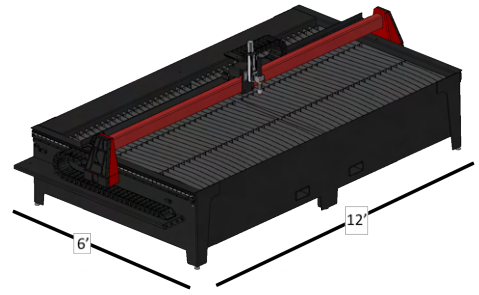
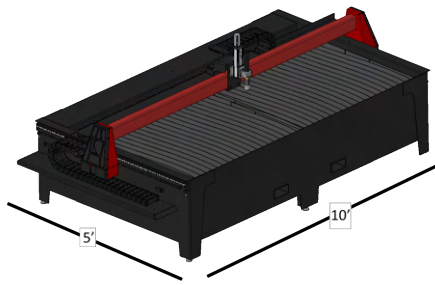
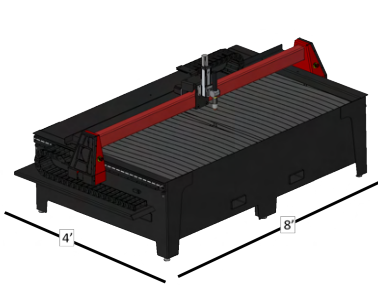
SOFTWARE FEATURES:

- **PRO Version Software Package**
- On-Board Completely Integrated FlashCut 2D CAM/CAD Package
- True Shape Nesting
- Customizable Cut Charts
- Customizable Default Lead-In, Lead-Out Strategies
- Silhouette Image Import
- Tabbings of Part
- DXF/DWG Import
- Overburn Support
- Marker and Plasma Marking
- DXF Export
- Advanced Text Including True Type Font Support Without Exploding and Curved Text Around Any Shape
- Part Shading
- 3D Cutting Simulation
- Automatic Lead-In on Restart
- Dynamic THC On/Off
- Progress Meter
- Move to Point in Viewport
- Rip Cutting
- Smart Touch Off
- Shape Library
- Bridge Entities Tool
- Shape Welding Tool
- Multi-Layer Color Image Import
- Import of Parts From External Files
- Multi-Sheet and Fill Sheet Trueshape Nesting
- Corner looping
- Advanced Lead-In, Lead-Out Editing
- Animated 3D Cutting Simulation
- Advanced Small Hole Processing

SIMPLY BETTER BUILT.

YOUR CHOICE BETWEEN THREE TABLE SIZES

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



▪ Laser Pointer

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

▪ Torch Height Lifter

Servo-driven torch height control delivers fast, precise positioning. A linear guideway with ball screw enhances motion accuracy, while the reverse-mounted lifter and stainless steel cover protect components from harsh cutting conditions.

▪ Deep Table Design

Provides longer cut times between clean-outs and holds three times as much slag as shallow table designs.

▪ Integrated Emergency Stop Buttons

An E-Stop is located on each saddle for quick shut-off of machine motion and cutting operation.

▪ Integrated 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

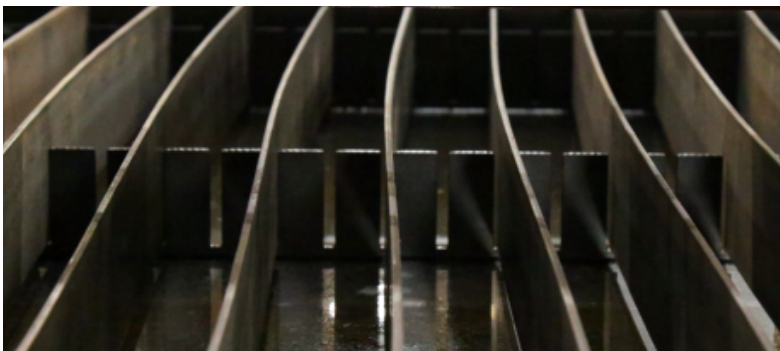
Two removable slat support frames are designed to make clean out easier. Curved cutting slat design minimizes impact on work piece and increases time between slat replacement.



Laser Pointer



Torch Lifter



Curved Removable Cutting Slat Frame



Deep Table with Forklift Pockets

SIMPLY BETTER BUILT.

▪ 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.

Features a lifetime warranty when using genuine KOIKE cutting tips.

▪ 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 • Manual On/Off
- Marking Software Included • 4" Stroke

▪ Manual Plasma Bevel Station

Allows for plasma beveling in the rail axis with non-contour mechanical adjustment from +/- 0 to 45°.

▪ Downdraft Table*

Features a bolt on design fume extraction hood, mounted to the backside of the cutting table. This option allows extra removal of fume during plasma cutting. It includes one or two, 12 in. diameter cut outs for the supplied fume collector.

*Not available for oxy-fuel cutting option.

▪ Water Additive

Prevents bacterial growth in water table. Also features a rust inhibitor to minimize rust in the table, slats and on plate surfaces and parts. Contact KOIKE for details.

▪ Pneumatic Dynamic Control Water Table

Integrated pneumatic air bladder utilizes your shop air to raise and lower the water level of cutting table through an easy manual valve system.



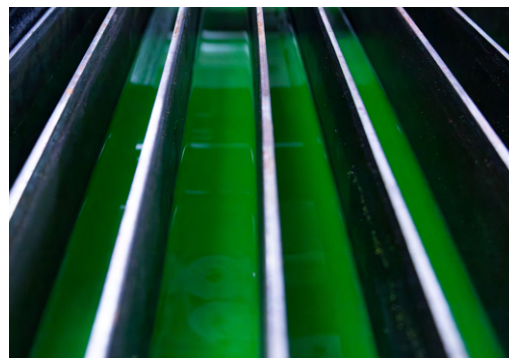
Oxy-Fuel Torch Option



Pneumatic Scribe Option



Downdraft Table Option



Water Additive Option



*Manual Plasma
Bevel Station*

SIMPLY BETTER BUILT.



Get more use out of your ShopProXHD™

ShopPipe™ expands the use of your ShopProXHD™ by offering a true plug-and-play attachment for pipe cutting operations, featuring intuitive software, quick setup, and durable, low-maintenance components designed to handle tough shop conditions. Its fold-down head design saves valuable floor space and its precision direct-drive chuck system ensures accurate pipe rotation, outperforming friction-driven alternatives that rely on rollers or belts. Built-in slag pans and a through-hole chuck design keep the work area cleaner by capturing debris and efficiently venting smoke.



**EASY TO SETUP AND
ADJUST PIPE FOR CUTTING**



**SPACE SAVING FOLD DOWN
TOOL HEAD (PATENT PENDING)**



**REMOVABLE SLAG PANS
FOR EASY CLEAN UP**



**THROUGH-HOLE CHUCK DESIGN
WITH BUILT-IN SPARK ARRESTOR**

SPECIFICATIONS	
Maximum Pipe Diameter	6 in. (152 mm) with 1/2 in. (12.7 mm) wall
Maximum Pipe Length	BASED ON TABLE WIDTH
Number of Supports in Base Model	3
Maximum Weight Capacity	150 lbs. per support (max total weight 600lbs.)
Drive Means	Direct drive with chuck
Fume Collector Connection Point	Yes
Spark and Slag Pan	Yes
Spark Arrestor	Yes

*Specifications are subject to change without notice. Model shown on ShopPro for demonstration purposes.

SIMPLY BETTER BUILT.

HYPERTHERM

Hypertherm® MAXPRO 200®



Dubbed the industry workhorse because of its power and 100% duty cycle, the **MAXPRO200® LongLife®** plasma cutting system is designed for your heavy-duty, high-capacity automated and handheld cutting and gouging applications.

With a mild steel pierce capacity of 1 1/4", 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. Optimized cutting parameters are set and controlled in a single step for consistent, automated results, while advanced diagnostics simplify troubleshooting and maintenance. Optional serial communications can be

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



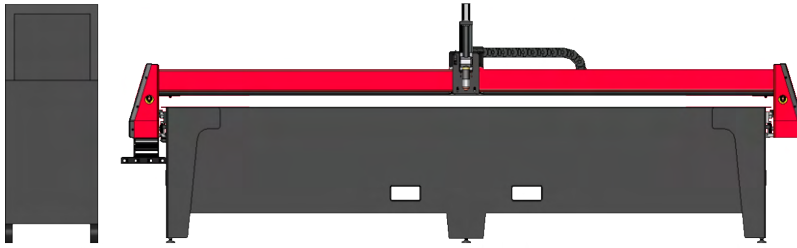
Hypertherm® PowerMax65®, PowerMax85®, PowerMax105®, PowerMax125®

The **Hypertherm® Powermax®** series comprises of professional-grade plasma systems engineered for maximum productivity in both manual and automated metal cutting and gouging applications.

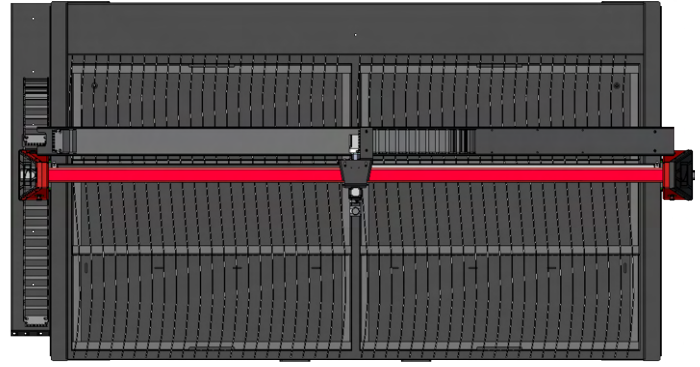
Capable of handling materials up to 38 mm (1-1/2") thick, these systems offer exceptional reliability, superior cut quality, and user-friendly operation. Innovative single-piece cartridge design extends consumable life by up to five times, reducing operating costs and downtime.

Built to withstand extreme conditions, **Powermax®** systems are tested for durability, ensuring consistent performance over a lifespan exceeding ten years. With a wide array of torch and cartridge options, users can easily tackle diverse cutting and gouging tasks, enhancing versatility across various applications.

SIMPLY BETTER BUILT.



Front View



Top View

ShopProXHD™	SPXHD-48	SPXHD-510	SPXHD-612
Effective Cutting Area	4 ft. x 8 ft.	5 ft. x 10 ft.	6 ft. x 12 ft.
Effective Cutting Width	96 in.	120 in.	144 in.
Effective Cutting Length	48 in.	60 in.	72 in.
Rapid Traverse Speed	1000 IPM	1000 IPM	1000 IPM
Machine Width	132 in.	156 in.	180 in.
Machine Length (CNC not included)	71 in.	83 in.	95 in.
Machine Weight	3850 lbs.	4500 lbs.	5200 lbs.
Tool Capacity	2	2	2
Water Capacity	390 gallons	580 gallons	815 gallons
Table Capacity	2 inch Mild Steel		
Machine Voltage	115/1/60 @ 15 amp		
CNC Controller	FlashCut CNC 21" Panel PC		
Drive System	Servo		
Table Type	Water or Downdraft		
Rack and Pinion Drive System			
Servo Motors	(3) 550 oz-in NEMA-34		
Gear Reduction	(3) Precision Helical 10:1 Gearboxes		
Linear Guidance	25mm Profile Linear Rail, 30mm Gantry		
Gear Engagement	Direct Drive Helical Rack and Pinion		
Gantry Carriage	Solid Steel Construction		
Traverse Speed	1000IPM		
Machine Repeatability	0.0015"		
Frame Construction	7 Gauge Mild Steel		

*Specifications are subject to change. For exact dimensions, see final assembly drawing.

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.



WELDING &
POSITIONING



CUTTING



PORTABLES &
GAS APPARATUS



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