

# ShopProXHD™



## CNC PLASMA CUTTING MACHINE

**AHB**  
TOOLING & MACHINERY

COMPLETE  
METALWORKING  
SOLUTIONS

(800) 991-4225

[www.ahbinc.com](http://www.ahbinc.com)

ISO Certified

[customerservice@ahbinc.com](mailto:customerservice@ahbinc.com)

 **KOIKE**  
ARONSON RANSOME

# ShopProXHD™



## The ShopProXHD is the next generation high-performance cutting machine.

Koike Aronson is once again taking cutting to the next level, expanding on its 100 year legacy. Engineered and manufactured in Arcade, NY, the ShopProXHD offers fabricators premium features in a package compact enough to fit in small shops.

Our customers like to use the words, "Built to Last;" the ShopProXHD has the same reliability and accuracy found with all Koike Aronson cutting systems.

The ShopProXHD was developed with the feedback of fabricators and metal workers alike, who demanded a robust machine set at a reasonable price.



### Curved Table Slats

Heavier slats than the leading competitor (3/16" x 4" tall) provide a stable cutting surface. The curved slat design is engineered to help reduce dross on parts, while improving the life of the slats.



### Emergency Stop Button

E-stop button located on each saddle quickly and safely shuts off machine motion and cutting process.



### Dual Side Drive With Precision Ground Linear Bearings

Provides smooth and accurate motion



### Precision Helical Gearboxes

With servo drive motors.



### Helical Gear Rack

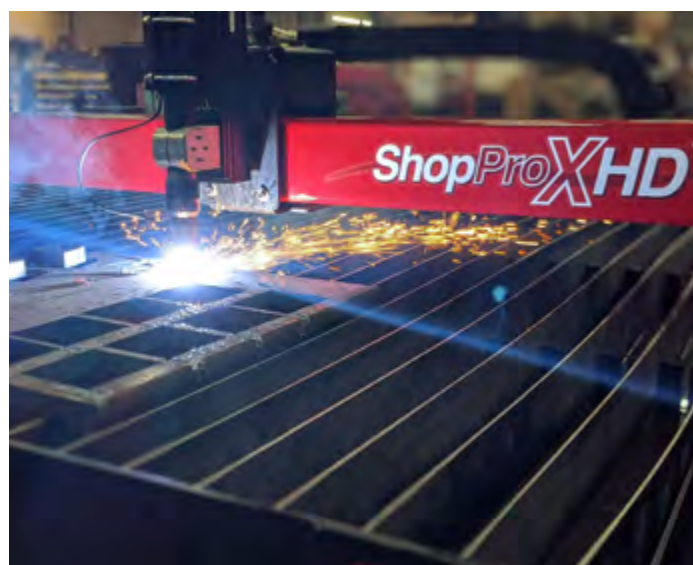
with AGMA 12 grade ground pinions.

# STANDARD EQUIPMENT

## CAD/CAM/CNC Controller with 21" Touch Screen



- 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
- DXF/DWG import
- Tabbng of part
- 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





# STANDARD FEATURES



## Laser Pointer

Allows operator a visual indicator for plate alignment and torch positioning.



## Lifter

Torch height control using servo drive for faster positioning. Linear way with ball screw provides improved precision and motion. Reverse mounting of the lifter and stainless steel cover protects the mechanicals from the harsh cutting environment.



## Removable Cutting Slat Frame

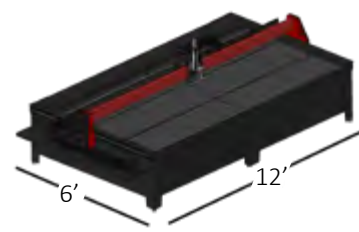
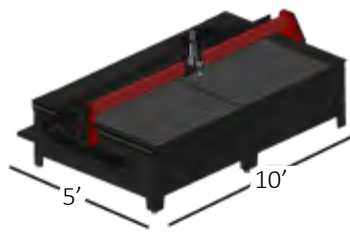
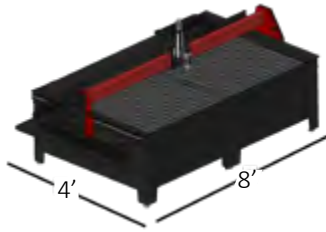
Two removable slat support frames are designed to make clean out easier; using the included hook access points.



## Deep Cutting Table

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

# TABLE FEATURES & OPTIONS



## Three Table Sizes

To meet your production or space requirements

## powermax<sup>®</sup> series



powermax85- Production Pierce 5/8" Mild Steel

powermax105- Production Pierce 3/4" Mild Steel

powermax125- Production Pierce 1" Mild Steel

## MAXI:R:O200<sup>®</sup>

Production Pierce 1 1/4" Mild Steel  
Liquid Cooled High Duty Cycle



## Roll-A-Round CNC Cabinet

Protects your controller from surrounding environment and moves easily on 4 industrial casters (2 with brakes). Equipped with key locking drawer and doors.

# Fast Setup & Flexible Shop Configuration

## No Crate



## Solid Base



## Forklift Pockets

A forklift truck at each end is required when lifting from the short side.



Effective Cutting Width:

Effective Cutting Length:

Material Types:

## **Material Thickness Range**

Plasma Thickness:

## **Plasma System**

Hypertherm® Powermax85

Hypertherm® Powermax105

Hypertherm® Powermax125

Hypertherm® MAXPRO200

## **Plasma Voltage:**

## **CNC Controller/Height Control Package**

FlashCut Control with 21" Panel PC and KOIKE Torch Height Control

## **Cutting Table**

Water

Downdraft

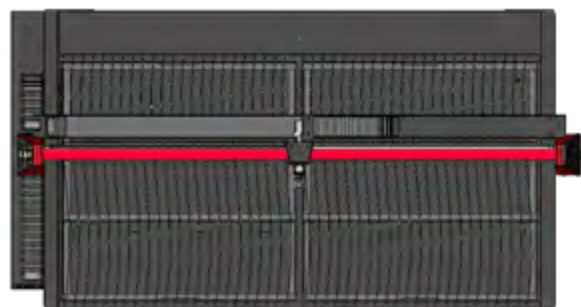
## **Other Options**

RS-485 (serial communication)

# SPECIFICATIONS



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 lb	4500 lb	5200 lb
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		
<b>Rack and Pinion Drive System</b>			
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	1000 IPM		
Machine Repeatability	0.0015		
Frame Construction	7 Gauge Mild Steel		

Specifications are subject to change without notice



# COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

[www.ahbinc.com](http://www.ahbinc.com)

ISO Certified

[customerservice@ahbinc.com](mailto:customerservice@ahbinc.com)



[www.koike.com](http://www.koike.com)

#### Headquarters

635 W. Main Street  
PO BOX 307  
Arcade, NY 14009

#### Koike Aronson Brasil

Estrada dos Romeiros, 6116-Galpão 97  
Santana de Parnaíba- SP Brasil

SHOPPROXHD 03/20 KENG