

ShopPro™



**CNC PLASMA & OXY-FUEL
CUTTING MACHINE**

AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

www.ahbinc.com

ISO Certified

customerservice@ahbinc.com

KOIKE
ARONSON RANSOME



Water Table
with curved slats.

The ShopPro offers fabricators unprecedented value for small shops

The Koike Aronson ShopPro is the company's newest value-priced, made in America high performance cutting system, offering fabricators premium features in a package compact enough to fit in small shops. Ruggedly built, the ShopPro has the same reliability and accuracy found with all Koike Aronson cutting systems.

The ShopPro was developed with the help of feedback of fabricators and metal workers, who demanded a robust feature set at a reasonable price.



Emergency Stop Button
E-stop button located on each saddle quickly and safely shuts off machine motion and cutting process, including oxy-fuel gases to the torches.



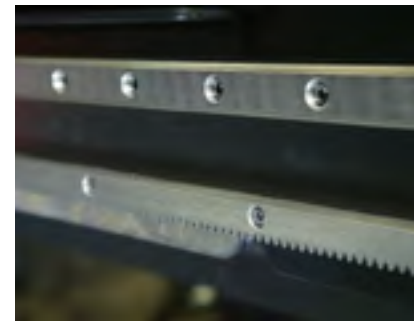
Dual Side Drive With Precision Ground Linear Bearings

Provides smooth and accurate motion



Precision Helical Gearboxes

With NEMA-34 Stepper motors.



Helical Gear Rack
with AGMA 12 grade ground pinions.

STANDARD EQUIPMENT

All-in-One Motion 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
- Tabbings 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



OPTIONAL PIPE ROTATOR



ShopPipe™
PATENT PENDING

ShopPipe™ option for the ShopPro™

Get more use out of your ShopPro™ by adding the ShopPipe™ option.

Incorporates easy to use software, easy setup and low maintenance mechanicals that are built to withstand the harsh work environment. A fold-down head design saves space and makes it easy for existing customers to upgrade. The direct drive system with chuck precisely rotates the pipe, unlike competitors that use friction drive system with rollers or belts. The work cell is kept cleaner with built-in cutting slag pans and using a through-hole chuck design to safely and effectively remove smoke.

SHOPPIPE™ SPECIFICATIONS

- Maximum pipe diameter: 6 inches with ½ inch wall
- Maximum pipe length: 8 foot
- Number of supports in base model: 3
- Maximum weight capacity: 150lbs 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

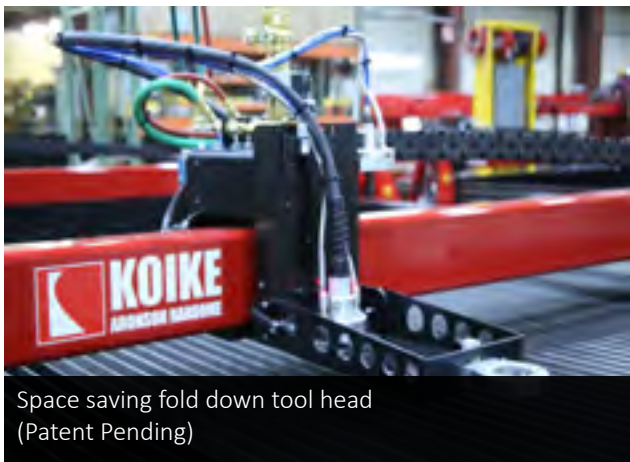
OPTIONAL PIPE ROTATOR



Direct drive with chuck design



Cut up to 8' long pipe and up to 6" diameter



Space saving fold down tool head
(Patent Pending)



Easy to setup and adjust pipe for cutting



Through-hole chuck design with built-in spark arrestor.



Removable slag pans for easy clean up

EQUIPMENT OPTIONS



Pneumatic Scribe Assembly

Manually swappable with plasma torch
Manual On/Off
Marking software included with option
Initial height sensing



Oxy-fuel Torch

Koike cutting tips are one of the most technically advanced of its kind. By providing safety and accuracy they save money in time and gas cost.

Lifetime warranty when using genuine KOIKE cutting tips.

2 inch maximum material thickness

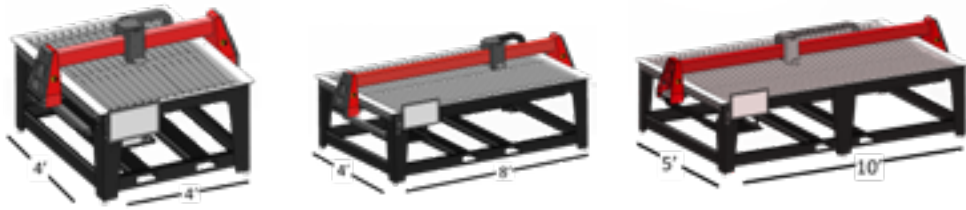


Downdraft Plenum Table

Mounted to the backside of the cutting table. It includes one or two, 12 inch diameter cut outs for the customer supplied fume collector.

Not available with the oxy-fuel option

TABLE FEATURES & OPTIONS



Three Table Sizes

To meet your production or space requirements



Conventional Plasma Systems offered for the ShopPro™:

- Hypertherm® powermax45XP
- Hypertherm® powermax65
- Hypertherm® powermax85
- Hypertherm® powermax105
- Hypertherm® powermax125



Roll-A-Round CNC Cabinet

Protects your controller from surrounding environment and moves easily on 4 industrial casters (2 with brakes)

Fast Setup & Flexible Shop Configuration

No Crate



Solid Base



Forklift Pockets



SHOPPRO WORKSHEET

Effective Cutting Width:

Effective Cutting Length:

Material Types:

Material Thickness Range

Plasma Thickness:

Plasma System

Hypertherm® Powermax45XP

Hypertherm® Powermax65

Hypertherm® Powermax85

Hypertherm® Powermax105

Hypertherm® Powermax125

Plasma Voltage:

CNC Controller/Height Control Package

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

Cutting Table

Water

Downdraft Plenum (plasma cutting only)

Other Options

RS-485 (serial communication)

Oxy-Fuel Fuel Gas?:

Pipe Rotator

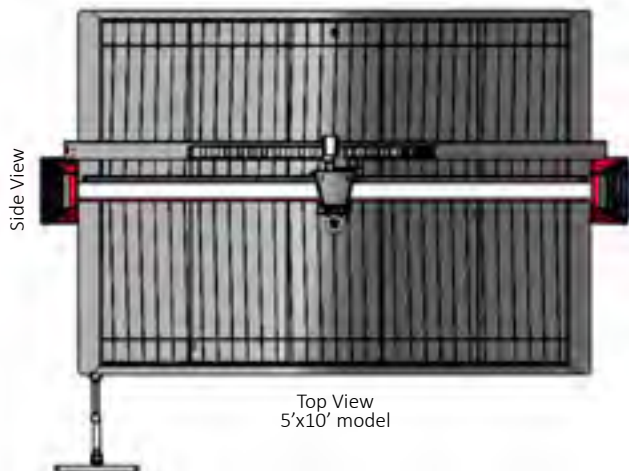
Pneumatic Scribe

Roll-A-Round CNC Cabinet

SPECIFICATIONS



Front View
4'x4' model



Top View
5'x10' model

SHOPPRO	SP-44	SP-48	SP-510
Effective Cutting Area	4 ft x 4 ft	4 ft x 8 ft	5 ft x 10 ft
Effective Cutting Width	48 in	96 in	120 in
Effective Cutting Length	48 in	48 in	60 in
Rapid Traverse Speed	1000 IPM	1000 IPM	1000 IPM
Machine Width	78 in	126 in	150 in
Machine Length (CNC not included)	72 in	72 in	84 in
Table Dimensions	78 in x 72 in x 56 in	126 in x 72 in x 56 in	150 in x 72 in x 56 in
Machine Weight	1300 lb	2200 lb	3500 lb
Tool Capacity	2	2	2
Water Capacity	65 gallons	148 gallons	220 gallons
Table Capacity	2 inch Mild Steel		
Machine Voltage	115/1/60 @ 15 AMP		
CNC Controller	FlashCut CNC 21" Panel PC		
Drive System	Stepper		
Table Type	Water Pan Insert		
Rack and Pinion Drive System			
Stepper Motors	(3) 954 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 in		
Frame Construction	7 Gauge Mild Steel		

Specifications are subject to change without notice



POSITIONING MACHINE LINE

Turning Rolls



Applications



Tilt/Turn Welding Positioners



Headstocks/Tailstocks



Manipulator, Universal Balance, Retrofit/Rebuilds



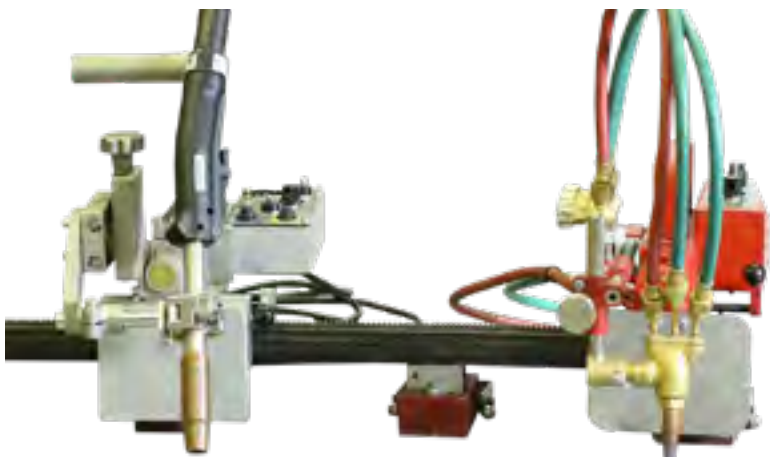


PORTABLE MACHINE LINE

Portable Cutting Machines



Portable Welding Machines



Gas Apparatus



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