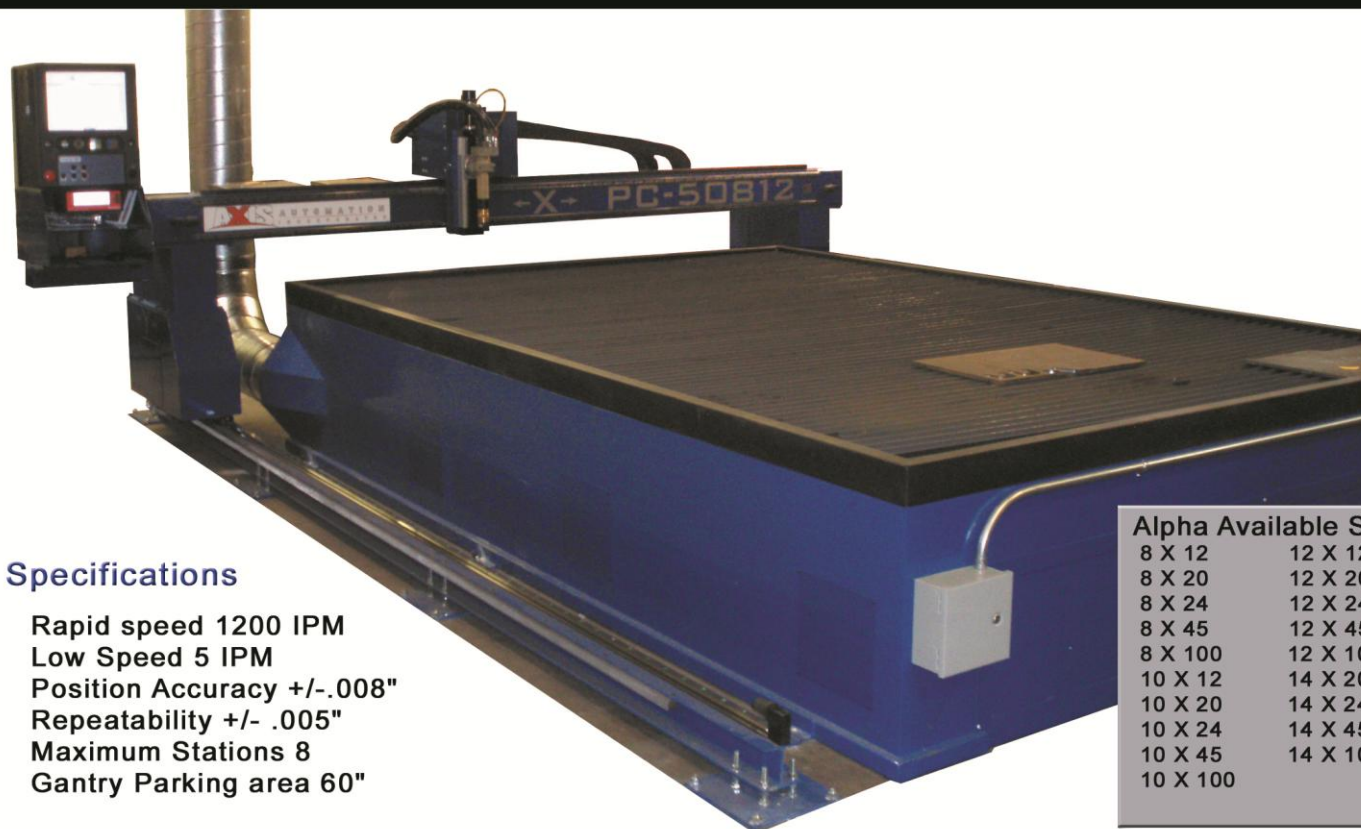




50-ALPHA SERIES

PRECISION - PERFORMANCE



Specifications

Rapid speed 1200 IPM
Low Speed 5 IPM
Position Accuracy +/- .008"
Repeatability +/- .005"
Maximum Stations 8
Gantry Parking area 60"

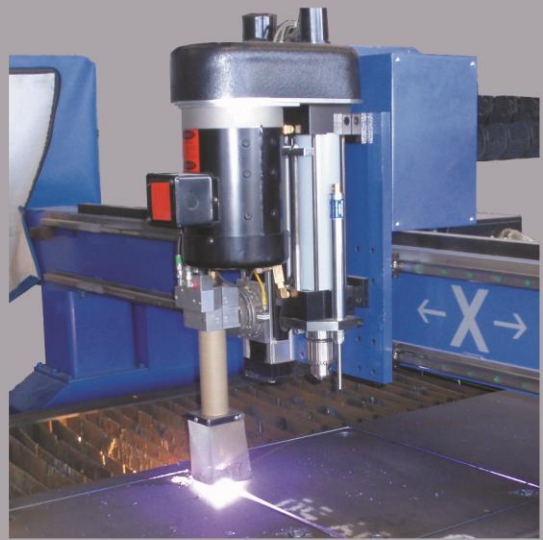
Alpha Available Sizes:

8 X 12	12 X 12
8 X 20	12 X 20
8 X 24	12 X 24
8 X 45	12 X 45
8 X 100	12 X 100
10 X 12	14 X 20
10 X 20	14 X 24
10 X 24	14 X 45
10 X 45	14 X 100
10 X 100	

The Axis International 50-Alpha Series is a Heavy Duty dual side drive Gantry Style precision cutting system. Designed for high speed and heavy production, the 50-Alpha Class System has a ridged gantry made of 8" X 8" X .375" steel tubing which is welded, stress relieved and machined to very precise tolerances. Axis International uses Helical hardened pinions and gear rack on all machine systems, which provide additional surface contact and smooth machine motion, and as an added benefit extended service life of the gear rack. The planetary gear boxes are of a Helical design and inertia matched to the motors. Gear boxes are matched to a backlash tolerance of 5 arc min or less (.00181") with standard ratio of 25:1. These features are standard on the 50-Alpha, and are often optional or not offered on competing machines. The 50-Alpha class system has a rapid traverse speed of 1200 IPM and contour cutting speed of 400 IPM. Acceleration of 45mg well suited to Hypertherm True Hole™ Technology. Maximum tool load of 8 Stations. Multiple cut and marking processes are available. The 50-Alpha is available with either open bottom style Oxy-Fuel table, Zoned Down Draft Style with or without Dust Collection System, Water Table with Raise-Lower ability to adjust water height in table. All of our Axis International mechanized cutting systems are made in our manufacturing facility in Las Vegas Nevada.

Alpha Standard Features

Linear Rails On X and Y
Rail Axis 35mm Linear Rails (2)
Cross Axis 25mm Linear Rails (2)
25:1 Helical Planetary Gear Boxes
5 Arc Minutes of backlash or less
1300 Watt AC Servo drive package
Helical Gear Rack 20 Pa 24 Pitch
AGMA Class 8 Gear Rack
45 mg Acceleration for Sharp Corner
Cuts and Precise Hole Quality



(Optional Drill Station)

Hypertherm Edge Pro or Micro Edge
15.1" Acoustic wave touch screen
Microsoft Windows[®] Xp Embedded
280 Gigabyte Hard drive
DXF File Converter
EIA Code Reader
(2) Feed Rate controls and Joystick
Mult-Home Locations
CutPro Wizard For Ease of Set up



EDGE Pro

Stress Relived Weldments
Machined after Stress Relived
30 Micron Finish on Gantry
Dual 15 mm Motor Mount Slides On Y Axis
For each Motor
Parker Aries Servo Drives and Motors
USA made Steel And Components
E-Stop on Gantry
E-Stop on Operator Console
Remote Help Networking
RJ45 Network Connector



HPR130XD (Standard)



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Web www.axisplasma.com



Alpha 50 Series

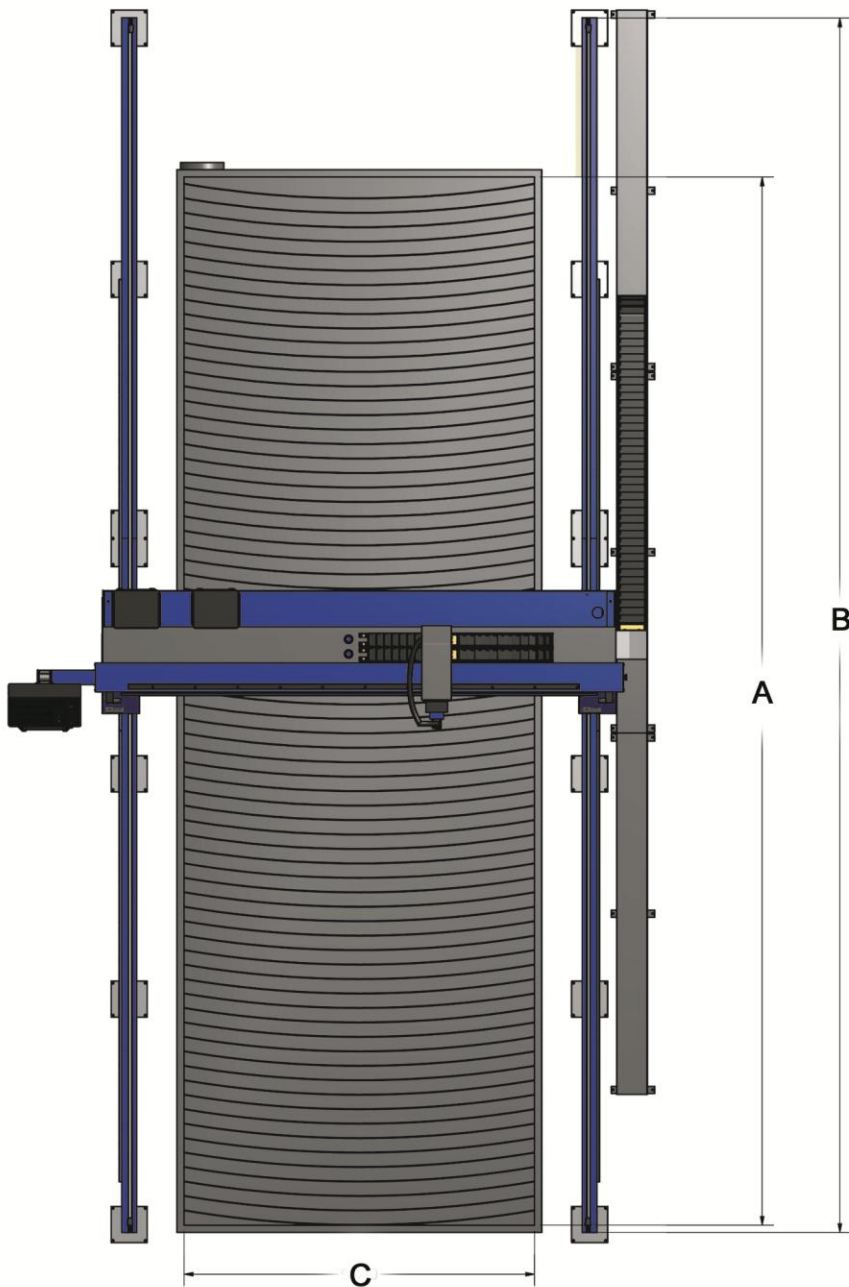
(Shown with optional clean out draws)

Alpha Table Features

- 6500 lbs table weight
- 4" Slats with 4" spacing
- Available in Downdraft or Water table versions
- Downdraft version is Zoned every 36" with Pneumatically Controlled Zones
- Watertables come with Standard Two level Height controls
- Hypertherm Sensor THC
- Air Brake-away for Torch

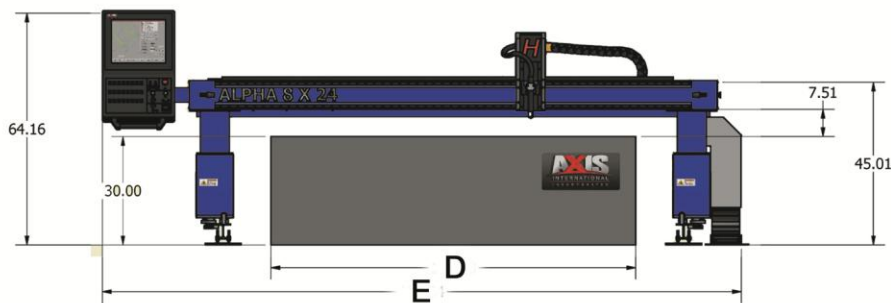


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ALPHA SERIES DIMENSIONS

8 X 12	A 150" B 210" C 97" D 101" E 177"	12 X 12	A 150" B 210" C 150" D 154" E 225"
8 X 20	A 246" B 306" C 97" D 101" E 177"	12 X 20	A 246" B 306" C 150" D 154" E 225"
8 X 24	A 294" B 354" C 97" D 101" E 177"	12 X 24	A 294" B 354" C 150" D 154" E 225"
8 X 45	A 546" B 606" C 97" D 101" E 177"	12 X 45	A 546" B 606" C 150" D 154" E 225"
8 X 100	A 1206" B 1266" C 97" D 101" E 177"	12 X 100	A 1206" B 1266" C 150" D 154" E 225"
10 X 12	A 150" B 210" C 126" D 130" E 201"	14 X 20	A 246" B 306" C 174" D 178" E 249"
10 X 20	A 246" B 306" C 126" D 130" E 201"	14 X 24	A 294" B 354" C 174" D 178" E 249"
10 X 24	A 294" B 354" C 126" D 130" E 201"	14 X 45	A 546" B 606" C 174" D 178" E 249"
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10 X 100	A 1206" B 1266" C 126" D 130" E 201"	(Specifications subject to change without notice)	



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