Model MakerFab48X48 Moving Gantry CNC Plasma Cutter
Detailed Specifications

2" steel tubing frame construction
50" of X travel
50" of Y travel
THK Profiled hardened and ground Linear rails
THK Recirculating linear bearings with grease fittings
Lightweight yet rigid aluminum bridge design
Precision Rack-N-Pinion drive system with dual drives on the Y axis
Simple low maintenance design
Fast cutting and rapid speeds
Power switch
Emergency stop button
Lighted power-on indicator
Dual Y Plasma control
4 - 1200 oz/in stepper motor
Continuous Contouring
Large File size capacity
Built –in Program editor
Win 7,8 Compatible
Off line programming mode
Software controlled safety stops
Comprehensive On-Screen Controls
Fast, Medium, Slow, & Single Step Jogging
Single line or Continuous run modes
8 Optically Isolated Inputs
8 Optically Isolated Outputs
On-Screen Simulation
On-Screen Simulation while Cutting
Homing Sequence
On Screen Safety Reminders
Choose Commands via Mouse, Keyboard, & Shortcut keys
Move to a Location via 7 Point moves
PLC Input Status Indicator

4 Coordinate Display Options
Custom Programmable M-Codes
Supported M-Codes M00, M02, M03, M05, M06, M07, M08, M09, M30, M98, M99, M100, M101
Supported G-Codes G00, G01, G02, G03, G04, G17, G18, G19, G20, G21, G28, G29, G43, G44, G49, G52, G70, G71, G73, G80, G81, G83, G90, G91, G98, G99
Other Codes F, () Comment
Built in DXF Interpreter converts DXF files into G-Codes
Made in USA
Hypertherm 45 Plasma Cutter
Hypertherm Machine Torch
Able to cut up to 3/8" Steel
Able to cut up to 3/8" Aluminum
Optional Automatic Torch Height system
Optional Breakaway Crash Safety System
Removable panel grid table
Requires 120V 20A for Control
Requires 10SCFM @ 100PSI filtered dry compressed air
Removable panel grid water table
Delivery, Installation assistance
On-Site training by factory
School responsible for final utility connections to machine
Starter of most commonly used consumables including 5 tips & 5 electrodes
36 Month on-site Warranty
Toll Free Tech Support
Internet based training & Support
1 Seat Enroute FAB