

TFP3051 Specifications

Type: Plasma Cutting System
Manuf: KOMATSU
Model: TFP3051 Mark III
Reference No.: Demo Unit

5' x 10' Komatsu Twister CNC Fine Plasma Cutting System
Age: 2008
Model: TFP3051

Maximum Cutting Width 5'
Maximum Cutting Length 10'
Mild Steel Capacity 0.028"- 1"
Aluminum Capacity 0.028"-0.80"
Stainless Steel Capacity 0.028"-0.80"
Minimum Kerf Width 0.031"
Cutting Speed Range 30-390 IPM
Rapid Traverse Speed X=1000, Y=1500, Z=390 IPM
Variable Cutting Current 3-150 Amps.
Plasma Power Unit Komatsu PU1501
Plasma Power Requirements 200/230 volt/3phase, 50/60Hz, 37.0 KVA
Control Unit Fanuc 21
Machine (CNC) Power Requirements ..200/230 volt/3phase, 50/60Hz, 8 KVA
Torch Height Control Yes
Machine Weight 8000 Lbs.
Floor Space Requirements 17' x 18'

Features:

- Factory Demo Machine - Limited Hours of Use
- Komatsu is a complete single source supplier: Machine software, Plasma supply, torch, applications, service and support.
- Komatsu has higher energy density plasma column, 150amps/1.3mm nozzle orifice
- Higher pressure higher speed plasma column, relates to higher cutting speeds
- Patented push pull exhaust system: Push fans ensure smoke evacuation from table
- Patented unitized consumables, only one electrode one shield cap and three nozzles throughout material type and thickness.
- Patented hemispherical collision detection system, complete 360 degrees protection with auto return to origin.
- Bevel angle of 2 degrees or less with repeatable tolerances to almost complete decay of electrode and nozzle
- Complete automatic argon marking system, all done in part program. No switchover or set up time
- Technology table which sets all cutting conditions in the part program.
- Capacitive initial height sense, circuit through torch Quick change internal torch cartridge
- Patented Swirling assist gas (Twister Technology) higher cut speeds with less slag on cut parts
- Patented Quicksilver clean cut stainless and aluminum
- Ability to move from cut to cut without initial height sense
- Automatic anti - spatter delivery system

Software:

Data Link for Ethernet Communication

PathMaster - part drawing software, DWG or DXF import

Rasor Nest - nesting software

Request Quote or More Info:

Komatsu America Industries LLC

Cutting Technologies Div.

1701 West Golf Road

One Continental Tower

Rolling Meadows IL 60008

USA

Contact: Jim Benjamin

Phone: 978-835-4327

Fax: 847-437-1811

E-Mail: machinesales@komatsuplasma.com