

## TFP3051 Specifications

Type: Plasma Cutting System  
Manuf: KOMATSU  
Model: TFP3051  
Reference No.: 50398

5' x 10' Komatsu Twister CNC Fine Plasma Cutting System  
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  
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:

#### Refurbished

- 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

Available for inspection under power in plant

Request Quote or More Info:

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