

FABRICATOR® 181i

NOT FOR SHIPBOARD USE
208-230 Volts only (Single Phase)

208 (230) Volt MULTI-PROCESS MIG (GMAW) STICK (SMAW) LIFT TIG (GTAW) WELDERS (DC ONLY)



Part Number	Rated Output @ Duty Cycle	Output Range	Dimensions (H x W x D)	Net Weight
W1003181 (208-230 Volt)	MIG: 180 A / 23 V @ 20%, STICK: 175 A / 27 V @ 20% TIG: 175 A / 17 V @ 25%	10-180 Amps 10-25 Volts (MIG) 100-650 IPM (MIG)	16.14" x 8.27" x 17.72" 410 x 210 x 450 (mm)	32.2 lbs. (14.6 kg)



The new Thermal Arc® Fabricator® 181i (3N1) Multi-Process Welding System is the only product of its kind; DC MIG, STICK and Lift TIG welding capabilities – complete in one integrated portable package.

Ready for STICK & *MIG - Comes Complete with:

- Fabricator 181i Power Supply
- 12 ft Tweco® WeldSkill® 180 Amp MIG Gun
- Contact Tips (1 each):
.023 (0.6 mm)
.030 (0.8 mm) Installed
.035 (0.9 mm)
- Victor® Argon Regulator/Gauge & 10 ft (3 m) Hose
- Tweco WeldSkill 200 Amp electrode holder with 13 ft lead & 50mm DINSE plug
- Tweco WeldSkill 200 Amp ground clamp with 10 ft lead & 50mm DINSE plug
- Drive Rolls:
.023" - .030" (0.6 mm - 0.8 mm) V Groove Installed
.023" - .035" (0.6 mm - 0.9 mm) V Groove
.030" - .035" (0.8 mm - 0.9 mm) for Flux Cored Wire
- 4 general purpose stick electrodes (E6013)
- Operator's Manual & Set-up DVD
- 9 ft Power Cord w/ NEMA 6-50P 230V AC Plug
- Shoulder Strap



Fabricator® 181i
Part No. W1003181
\$999.50 Ea

Holds 4" or 8" Diameter Spools of MIG wire

3-Year Warranty – See Details

Digital Meters; WFS / Amps and Volt Meters

WFS / Amps Control Knob

Voltage / Arc Control / Down Slope Control Knob



Process Button Select MIG, STICK or Lift TIG
Trigger 2T (ON/OFF) or 4T (Trigger Hold) selection
Inductance Control Knob

http://www.thermadyne.com/Thermal%20Arc%203in1/media_downloads.php
See it in action

For DC (Non-White Metal) TIG add Torch Kit #W4013802 \$210.00 ea.

Includes Torch w/Mounted Remote Controls; 17V, 13 ft, 8 pin and accessory kit with 1/16", 3/32", 1/8" 2% Thoriated Tungsten; 1/16", 3/32", 1/8" collets & collet bodies, No. 5, 6, 7 Alumina nozzles; short back cap; long back cap



Optional Foot Control w/Contactor On/Off and Current Control with 15 ft cable and 8-pin male plug #600285 \$225.00 ea.



Optional Plug-In Aluminum Spool Gun (160 Amp) 12' Cable (Required for MIG welding Aluminum) Uses 4" Diameter (1lb) Spools .030 & .035 Aluminum - .023, .030, .035 Mild & Stainless Steel (Uses Mini-Mig consumables) #1027-1390 \$335.00

*Requires filler metal and compressed gas & cylinder (Unless a gas-less flux-cored filler material is used).

ArcMaster® 400MST

SUGGESTED FEEDER: Ultrafeed® VA4000



208 (230) / 460 Volt MULTI-PROCESS MIG (GMAW) STICK (SMAW) TIG (GTAW) WELDERS (DC ONLY)

Part Number	Rated Output @ Duty Cycle	Output Range	Dimensions (H x W x D)	Net Weight
10-3072 (208-230 / 460 V)	400 A / 36 V @ 25%, (208-230/460V, 3 ph) 300 A / 32 V @ 60%, (208-230/460V, 3 ph) 300 A / 32 V @ 25%, (208-230, 1 ph)	5 - 400 Amps	16.5" x 8.3" x 17.7" 420 x 210 x 450 (mm)	55 lbs. (25 kg)

FEATURES

The ArcMaster® 400MST is designed to withstand the rigors in today's portable industrial welding machine environment. Built small, light weight and tough, welding parameters with MIG, & Flux Cored wires, STICK, Lift TIG and Carbon Arc Gouging are easily set through robust, easy to use push button switches on the front panel. Each function is marked by a symbol and lighted LED that clearly marks which function is being adjusted.

Thermal Arc's 400MST has the ability to program your toughest welding applications and save five distinct programs, making it easy to change settings between projects.

The 400MST includes a digital Amp/Volt Meter, Remote control capabilities including a 14 and 19 pin receptacle, Smart Logic, and VRD (Voltage Reduction Device) circuit, all as standard features.

- **Smart Logic® Capability** Eliminates damage if the machine is accidentally installed to the improper voltage
- **Push Button Control Panel** Easy access to all functions and controls
- **Multi-Process** STICK, TIG, MIG, Carbon Arc Gouging all in one package
- **Remote 14 & 19 Pin Receptacles** Makes compatibility of Thermal Arc, competitive wire feeders and remote devices simple
- **Programmable** Easily save up to five welding parameter programs
- **Warning Code Circuitry** Alerts operator of power supply abnormalities
- **VRD Inside**
VRD (Voltage Reduction Device) reduces the OCV when the power supply is not in use, eliminates the need for add on voltage reducers, and has no effect on arc starting
- **10' Input Cable**



\$4,342.00 EA

Uses 50mm (DINSE) Style Plugs

ACCESSORIES

STICK Kit, Portable Mounting, Hand Held Pendant, Foot Control, 14 Pin Extension Cable, Torch Switch
SEE ACCESSORIES PAGES For Details & Ordering Information

Inbuilt 'Smart Logic' prevents damage from connection to incorrect voltage.



Integrated VRD Circuit (VReduction Device).



Simple to use operator interface.



Digital Display includes Volt/amp meter, parameter setting, thermal overload protection & Warning circuitry indicator



Process switch: STICK & Lift-Start TIG & MIG functions.

