

POWER-MASTER® 320SP 

208 (230) / 460 Volt MULTI-PROCESS MIG (GMAW) STICK SMAW & TIG

PROCESS	MIG	FLUX CORED	STICK	LIFT TIG	CAG	208/230/400/460 Volts
Part Number	Rated Output @ Duty Cycle Max 79 OCV		Output Range		Dimensions (H x W x D)	
W1000105 (208/230 - 460 V)	320 A/30V @ 40% MIG 230 A/29.2V @ 100% STICK		5 - 320 Amps 10 - 300 Amps		29.3" x 13.4" x 19.6" 745 x 340 x 498 (mm)	
					Net Weight	
					77 lbs. (35 kg)	

Complete Package W1000105 \$9,821.00 Ea 

Primary Ratings
Input 50/60Hz
1 Phase
Voltage/Current
208 Volt /69.5 Amp
230 Volt /57.5 Amp
400 Volt /37.5 Amp
460 Volt /32.0 Amp

of its own as a state of the art, fully featured, fully integrated, portable, digital Pulse Mig and TwinPulse® power supply. Stick or MIG capability (along with limited DC-TIG) complete with 320 amp maximum output, a 4-roll wire feed system, 30/44lb spool capacity and a weight of only 77lb enables a high degree of portability.

This system is the ideal choice for welding non-ferrous materials up to 1/4" plate; typical applications include:

- General fabrication of aluminum and stainless steel;
- Aluminum boat fabrication or repair;
- Stainless steel tank and pipe fabrication;
- Maintenance repair;
- Automotive repair;
- Technical schools;
- Applications requiring stringent welding procedure adherence.

MIG WELDING DC – GMAW

Voltage/Amperage control infinitely variable
Wire diameter range Mild steel .023"-.045" (0.6-1.2mm)
Stainless steel .023"-.045" (0.6-1.2mm)
Aluminum .030"-.3/64" (0.8-1.2mm)
Flux cored .030"-.045" (0.8-1.2mm)
Fitted feed rolls suit solid MIG wires (V groove) .035"-.045" (0.9-1.2mm)



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STICK WELDING DC – SMAW

Voltage/Amperage control infinitely variable
SMAW electrode range 3/32"- 1/4" (2.4-6.4mm)
CAG Carbon arc gouging electrode 1/8"-1/4" (3.2-6.4mm)

- PowerMaster 320SP Smart gun package includes;
- Power source 80 kHz Inverter platform
 - Gas cooled Tweco
 - PulseMaster Smart MIG Gun 12 ft (3.6 m),
 - Heavy duty 4-roll wire feed system, .035"-.045"
 - V groove drive rolls fitted
 - 12 ft (3.6 m) 2/0 work lead with clamp



Uses 50mm (DINSE) Style Plugs



Complete MIG Package Includes:
320A power source - gas cooled Tweco® PulseMaster Smart MIG gun 12ft (3.6m), heavy duty 4-roll wire feed system .035" - .045" V groove drive rolls fitted, 12ft (3.6m) 2/0 work lead with clamp, Victor gas regulator/flowmeter w/ 6ft (1.8m) gas hose

™ Smart Gun allows remote control directly from the torch (for welding voltage and wire speed) ensuring fast and flexible control.

System also available with a Python® Push/ Pull MIG gun 25 ft (7.6 m) - (in lieu of Smart Gun - Order Part Number;

W1000106 \$12,676.00 Ea



ArcMaster® 400MST 

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

Machine 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)

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.

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

Integrated VRD Circuit (V Reduction Device).

Simple to use operator interface.

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

Uses 50mm (DINSE) Style Plugs

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



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**

\$4,704.00 EA #10-3072

