

WELDING



MIG

Firepower® Welding Products

Performance, Value and Ease of Use

The latest Firepower Welding range offers superior performance, excellent value and ease-of-use that helps the craftsman get the job done right the first time.

Firepower draws on the heritage and quality of Tweco® equipment, and has the advantage of utilizing that excellence in product support, service, and application know-how.

This product range will perform a wide spectrum of welding tasks from thin gauge car panels to thick Industrial sections. Professionals from auto repair, construction, farm/ranch, skilled trades and serious do-it-yourselfers will find the superior solutions they need with Firepower.

The Firepower MST is the heart of the new line and has changed the game, setting a new standard for portable welding equipment. The 3-in-1 power supplies provide MIG, Stick, and TIG capability from one integrated portable system. They have been designed to provide users with total welding flexibility and optimized welding performance with each process. Firepower systems come complete with optimized accessories. These welding systems are ready to meet your needs right out of the box.



STICK



TIG

* Please see page 40 for a quick explanation of duty cycle.

Product Name	MAX. Thickness	Weld Process	Input Power	Output Range	Gas Usage	Weldable Metals					
STICK (SMAW)											
@RATED DUTY CYCLE INPUT											
FP-100 1443-0412	THICKNESS 1/4" PLATE (6.4 mm) MULTI PASS ↑	STICK	INPUT PLUG 15 AMP 115 VAC	GENERATOR 2500 WATTS	MAX. OUTPUT 85 AMPS CURRENT AC DUTY CYCLE 15% @65 AMPS	GASLESS MATERIALS STEEL					
ACDC TIG (GTAW) + STICK (SMAW)											
TIG 140 ACDC 1442-0030	MAX. THICKNESS 3/16" PLATE (4.8 mm) SINGLE PASS ↑	TIG HF START LIFT TIG	STICK	INPUT PLUG 15 AMP 115 VAC	INPUT PLUG 20 AMP 115 VAC	GENERATOR 2800 WATTS	MAX. OUTPUT 140 AMPS	CURRENT AC DC	DUTY CYCLE 20% @140 AMPS 15.6 VOLTS	GAS FLEXIBLE GASES INERT ARGON	MATERIALS STEEL STAINLESS STEEL ALUMINUM
TIG 200 ACDC 1442-0032	MAX. THICKNESS 1/4" PLATE (6.4 mm) MULTI PASS ↑	TIG HF START LIFT TIG	STICK	INPUT PLUG 50 AMP 208/230 VAC	GENERATOR 9500 WATTS	MAX. OUTPUT 200 AMPS	CURRENT AC DC	DUTY CYCLE 20% @200 AMPS 18 VOLTS	GAS FLEXIBLE GASES INERT ARGON	MATERIALS STEEL STAINLESS STEEL ALUMINUM	
MIG (GMAW)											
FP-95 1444-0322	MAX. THICKNESS 1/8" PLATE (3.2 mm) SINGLE PASS ↑	MIG FLUX CORED	INPUT PLUG 15 AMP 115 VAC	GENERATOR 3500 WATTS	MAX. OUTPUT 90 AMPS	CURRENT DC	DUTY CYCLE 17% @85 AMPS 18.25 VOLTS	GASLESS	MATERIALS MILD STEEL		
FP-125 1444-0324	MAX. THICKNESS 3/16" PLATE (4.8 mm) SINGLE PASS ↑	MIG FLUX CORED	INPUT PLUG 15 AMP 115 VAC	GENERATOR 5000 WATTS	MAX. OUTPUT 125 AMPS	CURRENT DC	DUTY CYCLE 19% @90 AMPS 18.5 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL		
FP-135 1444-0326	MAX. THICKNESS 1/4" PLATE (6.4 mm) MULTI PASS ↑	MIG FLUX CORED	INPUT PLUG 15 AMP 115 VAC	GENERATOR 6000 WATTS	MAX. OUTPUT 135 AMPS	CURRENT DC	DUTY CYCLE 28% @117 AMPS 19.85 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL		
FP-165 1444-0328	MAX. THICKNESS 5/16" PLATE (7.9 mm) MULTI PASS ↑	MIG FLUX CORED	INPUT PLUG 50 AMP 208/230 VAC	GENERATOR 7000 WATTS	MAX. OUTPUT 165 AMPS	CURRENT DC	DUTY CYCLE 18% @140 AMPS 21 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL		
MST POWER SUPPLIES: 3-IN-1											
MST 140i 1444-0870	MAX. THICKNESS 1/8" PLATE (3.2 mm) SINGLE PASS ↑	MIG STICK TIG LIFT TIG	INPUT PLUG 15 AMP 115 VAC	INPUT PLUG 20 AMP 115 VAC	GENERATOR 3500 WATTS	MAX. OUTPUT 140 AMPS	CURRENT DC	DUTY CYCLE 20% @90 AMPS 18.5 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL	
MST 180i 1444-0871	MAX. THICKNESS 1/4" PLATE (6.4 mm) MULTI PASS ↑	MIG STICK TIG LIFT TIG	INPUT PLUG 50 AMP 208/230 VAC	GENERATOR 9000 WATTS	MAX. OUTPUT 180 AMPS	CURRENT DC	DUTY CYCLE 30% @145 AMPS 22.5 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL ALUMINUM		
MST 220i 1444-0872	(115V) MAX. THICKNESS 3/16" PLATE (4.8 mm) SINGLE PASS ↑	MIG STICK TIG LIFT TIG	INPUT PLUG 15 AMP 115 VAC	GENERATOR 3700 WATTS	MAX. OUTPUT 140 AMPS	CURRENT DC	DUTY CYCLE 20% @140 AMPS 18.5 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL ALUMINUM		
	(230V) MAX. THICKNESS 3/8" PLATE (12.7 mm) MULTI PASS ↑	MIG STICK TIG LIFT TIG	INPUT PLUG 50 AMP 208/230 VAC	GENERATOR 7500 WATTS	MAX. OUTPUT 210 AMPS	CURRENT DC	DUTY CYCLE 20% @210 AMPS 23.5 VOLTS	GAS/GASLESS FLEXIBLE GASES ARGON CO ₂	MATERIALS STEEL STAINLESS STEEL ALUMINUM		



MST 140i Multi-Process Welding System

Specifications

Part No.	Description
1444-0870	MST 140i, Multi-Process Welding System



MIG Icon of MIG gun	STICK Icon of Stick electrode	TIG Icon of TIG torch LIFT TIG	GASLESS Icon of gasless bottles	MAX. OUTPUT 140 AMPS	MAX. THICKNESS 1/8" PLATE (3.2 mm) SINGLE PASS ↑
INPUT PLUG 15 AMP 115 VAC	INPUT PLUG 20 AMP 115 VAC	OUTPUT DC	FLEXIBLE GASES ARGON CO₂	WARRANTY 3 YEAR	GENERATOR 3500 WATTS

INCLUDES

Firepower MST 140i Power Supply, Firepower 140 Amp MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 2 Drive Rolls and Contact Tips, 15-20 Amps Power Adapter, Shoulder Strap, and CD with Multi-Language Operating Instructions

APPLICATIONS

Farms/Ranches, Auto Applications, On-Site Repair - Does not work with Spool Gun

MACHINE SPECIFICATIONS

Maximum Output	140 Amp
MIG (GMAW/FCAW)	140A / 19V @ 15% Duty Cycle
Welding Output @104°F (40°C)	90A / 18.5V @ 20% Duty Cycle
STICK (SMAW)	90A / 23V @ 15% Duty Cycle
Welding Output @104°F (40°C)	80A / 23.2V @ 35% Duty Cycle
TIG (GTAW)	140A / 15.6V @ 15% Duty Cycle
Welding Output @104°F (40°C)	100A / 14V @ 20% Duty Cycle
Current Range	10 – 140 Amp
MIG Welding Voltage Range	14.5 – 19 Volt
Wirefeed Speed Range	90 – 390 IPM (2.3 – 9.9 m/min)
Nominal OCV Volt/DC	53 Volt
Maximum Plate Thickness	1/8" (3.2 mm)*

* 30 Amp service required to obtain 3/16"

The Firepower MST 140i and MST 180i 3-in-1 machines come complete with all the necessary MIG & Stick components which gives even a beginner the capability to weld immediately, right out of the box. Both machines feature MIG, Stick, and TIG processes in a unit that weighs 33 pounds. The MST's both come with a Quick Start guide that walks you through the machine set-up in four simple steps. The MST 140i uses the 115 VAC, which allows you to weld virtually anywhere. The MST 180i comes with more power, using 208/230V and a maximum output of 180 Amps. The MST 180i is Spool Gun capable for Aluminum MIG welding. With the MST 140i and MST 180i you can be welding like a pro in no time.

MST 180i Multi-Process Welding System

Specifications

Part No.	Description
1444-0871	MST 180i, Multi-Process Welding System

INCLUDES

Firepower MST 180i Power Supply, Firepower 180 MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 2 Drive Rolls & Contact Tips, Standard 230V Plug, Shoulder Strap, and CD with Multi-Language Operating Instructions

APPLICATIONS

Farms/Ranches, Auto Applications, On-Site and Maintenance Repair

MACHINE SPECIFICATIONS

Maximum Output	180 Amp
MIG (GMAW/FCAW)	180A / 23V @ 20% Duty Cycle
Welding Output @104°F (40°C)	145A / 22.5V @ 30% Duty Cycle
STICK (SMAW)	175A / 27V @ 20% Duty Cycle
Welding Output @104°F (40°C)	140A / 25.6V @ 30% Duty Cycle
TIG (GTAW)	175A / 17V @ 25% Duty Cycle
Welding Output @104°F (40°C)	160A / 16.4V @ 30% Duty Cycle
Current Range	10 – 180 Amp
MIG Welding Voltage Range	14.5 – 26 Volt
Wirefeed Speed Range	100 – 650 IPM (2.5 – 16.5 m/min)
Nominal OCV Volt/DC	62 Volt
Maximum Plate Thickness	1/4" (6.4 mm)

MIG Icon of MIG gun	STICK Icon of Stick electrode	TIG Icon of TIG torch LIFT TIG	GASLESS Icon of gasless bottles	MAX. OUTPUT 180 AMPS	MAX. THICKNESS 1/4" PLATE (6.4 mm) SINGLE PASS ↑
INPUT PLUG 50 AMP 208/230 VAC	OUTPUT DC	HERTZ 50/60	FLEXIBLE GASES ARGON CO₂	WARRANTY 3 YEAR	GENERATOR 9000 WATTS



MST 220i Multi-Process Welding System

Specifications

Part No.	Description
1444-0872	MST 220i, Multi-Process Welding System



The Firepower MST 220i has it all. It's the only machine in the 3-in-1 line that offers 115 and 208/230V, and provides MIG, Stick and TIG welding outputs for use anywhere. Portable enough to take to the job site, yet with 210 Amps maximum output, it has the power to meet your large job demands. This welding system is perfect for automotive repair and customization, mechanical contractors, farms/ranches, maintenance and repair, and garage and job shops. The MST 220i allows you to choose the best process for your applications. The MIG process provides maximum productivity in the shop, while the Stick process works ideally outdoors, and TIG is for those welding applications that require more precise control. The MST 220i is also Spool Gun capable for Aluminum MIG welding. There is no other machine like the MST 220i, it's a "must have" powerhouse!

INCLUDES

Firepower MST 220i Power Supply, Firepower 220 Amp MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 230V-115V Adapter Plug & Cable, 2 Drive Rolls & Contact Tips, Spring used for small 2 lb rolls, and CD with Multi-Language Operating Instructions

APPLICATIONS

Farms/Ranches, Auto Applications, On-Site and Maintenance Repair

MACHINE SPECIFICATIONS

Maximum Output	210 Amp
MIG (GMAW/FCAW)	110A / 19.5V @ 45% Duty Cycle (115V) 210A / 23.5V @ 20% Duty Cycle (230V)
Welding Output @104°F (40°C)	
STICK (SMAW)	110A / 24.8V @ 35% Duty Cycle (115V)
Welding Output @104°F (40°C)	200A / 25V @ 25% Duty Cycle (230V)
TIG (GTAW)	150A / 16V @ 35% Duty Cycle (115V)
Welding Output @104°F (40°C)	200A / 18V @ 25% Duty Cycle (230V)
Current Range	10 – 150 Amp (115V), 10 – 210 Amp (230V)
MIG Welding Voltage Range	14 – 30 Volt
Wirefeed Speed Range	100 – 600 IPM (2.5 – 15.2 m/min) @ 230V 100 – 400 IPM (2.5 – 10.2 m/min) @ 115V
Nominal OCV Volt/DC	62 Volt
Maximum Plate Thickness	3/8" (12.7 mm)

