

Fabricator[®] 141i

Multi-Process Welding System



Fabricator[®] 141i 3 IN 1[®] delivers MIG, STICK, and TIG capability from one integrated portable system.

Fabricator 141i features digital meters, 4T trigger control and quick change polarity from the front of the power source. Overload protection shuts down the power source to protect the internal electrical components from overheating. Intelligent fan control operates when welding commences to cool components and reduce airborne contaminants pulled through the power source.

- Infinite voltage control for precise voltage settings, inductance control for arc stability and spatter control, and adjustable burnback control
- Durable metal feed plate features 2 roll drive system, reversible drive rolls and easy-to-set single scaled wire tension knob
- Adjustable arc force control for optimum Stick (SMAW) electrode performance and built in hot start for easy arc starting
- Lift TIG start provides TIG arc starting without the use of high frequency
- Spool gun ready

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Industry

- Light Fabrication
- Repair and Maintenance
- Agricultural Equipment
- Automotive



Fabricator 141i Complete Package

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Specifications	
Primary Voltage	120 VAC
Supply Voltage Range	95 – 140 VAC
Number of Phases	Single Phase
Supply Frequency	50/60 Hz
Supply Plug	NEMA 5-20P
Rated kVA @ 140 Amp	5 kVA
Lead Cord Length	10 ft. (3 m)
Maximum Output	140 A
MIG (GMAW/FCAW) Welding Output @ 104°F (40°C)	140 A/19 V @ 15% Duty Cycle 90 A/18.5 V @ 20% Duty Cycle
STICK (SMAW) Welding Output @104°F (40°C)	90 A/23 V @ 15% Duty Cycle 80 A/23.2 V @ 35% Duty Cycle
TIG (GTAW) Welding Output @ 104°F (40°C)	140 A/15.6 V @ 15% Duty Cycle 100 A/14 V @ 20% Duty Cycle
Current Range	10 – 140 A
MIG Welding Voltage Range	14.5 – 19 V
Wire Feed Speed Range	90 – 390 ipm (2.3 – 9.9 m/min)
Nominal OCV Volt/DC	53 V
Maximum Plate Thickness	3/16 in. (4.8 mm)
Wire Diameter Range:	
Mild Steel	.023-.030 in. (0.6-0.8 mm)
Stainless Steel	.023-.030 in. (0.6-0.8 mm)
Aluminum	.030 in. (0.8 mm)
Flux Cored	.030-.035 in. (0.8-0.9 mm)
Spool Size Capacity	4 in., 8 in. (100 mm, 200 mm)
Warranty Period	3 Years
Approvals	IEC 60974-1, CSA E60974-1, UL 60974-1
Protection Class	IP23S
Power Source Dimensions, LxWxH	16.2 x 8.3 x 17.7 in. (410 x 210 x 450 mm)
Power Source Weight	32.2 lbs. (14.6 kg)

Ordering Information	
Description	Part Number
Fabricator 141i Package	W1003141
Fabricator 141i Package with Cart	W1003142

Comes complete with power supply, flowgauge regulator and 12.5 ft. (3.8 m) hose, electrode holder with 13 ft. (4 m) lead, bonus contact tips (1 each) .023 in. (0.6 mm), .030 in. (0.8 mm) installed, .035 in. (0.9 mm), drive rolls .023/.030 in. (0.6/0.8 mm) v-groove installed, .030/.035 in. (0.8/0.9 mm) for flux cored wire, Tweco Fusion 140A MIG Gun with 10 ft. (3 m) cable, 4 general purpose stick electrodes (E6013), power adapter 115V, 20A to 15A, ground clamp with 10 ft. (3 m) lead, shoulder strap, operator's manual and CD, 10 ft. (3m) power cord and NEMA 5-20P 115V AC plug.

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Options & Accessories	
Description	Part Number
TIG Torch and Accessories (required for TIG welding)	W4013802
Tweco Spool Gun 160 A, 12 ft. (3.6 m) (required for Al MIG welding)	1027-1390
Ground Clamp and Lead Assembly, 10 ft. (3 m), 25 mm	W7003105
Electrode Holder and Lead Assembly, 13 ft. (4 m), 25 mm	W7003106
Dinse Adapter, 50 mm Female to 25 mm Male	W4017500
Victor GF250-50-580 Argon Flowguage Regulator	0781-9411
Foot Control, 15 ft. (4.6 m) cable and 8-pin Male Plug	600285
Gas Hose, 12.5 ft. (3.8 m), Male 5/8-18UNF	W4013900
Power Adapter - 120 V, 20 A to 15 A	W4013300
Basic Utility Cart, max 7 in. (177.8 mm) diameter cylinder	W4014700
Drive Roll, V-Groove, .023/.030 in. (0.6/0.8 mm) (installed)	7977036
Drive Roll, Knurled V-Groove, .030/.035 in. (0.8/0.9 mm) (FCAW)	7977732



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