

THERMAL ARC
WeldSkill

**Powerful,
Reliable &
Affordable**



Fabricator® Range



Thermal Arc Weldskill: the value for money alternative

Thermal Arc is on the move! The Thermal Arc family of arc welding equipment has been completely, overhauled, re-engineered and expanded following extensive research and development activities. We have rebuilt our range to ensure products meet your requirements and expectations for excellent performance, reliability and value for money.

We distinguish ourselves from our competition through superior featured, dependable products, technical innovation and excellence in customer service and technical support.

Our complete new range of Fabricator MIG/Flux Cored welding equipment is proof of this commitment. The purchase of a Thermal Arc Fabricator will give you a quality built machine with excellent welding performance designed for many years of service. If you are serious about your welding then a Thermal Arc Fabricator is the only choice.

Ease of operation: from start to finish

Here at Thermal Arc, we know that you want ease-of-operation, exact repeatability and first class welding performance from your equipment. That's why we have expanded our Fabricator range to give you four models to choose from with an unbeatable list of features including:

- Comprehensive welding set up charts for popular materials and shielding gases
- Excellent welding performance with high outputs and duty cycles
- Sturdy, robust wheel kits with single or dual "drop down" cylinder racks
- Electrode polarity change with no tools required
- Heavy duty, quality Tweco Weldskill guns with standard No. 4 connection
- Easy to use repeatable arc voltage controls
- Spot timers
- 5 year limited warranty
- Adjustable burn-back
- Thermal overload protection

Just add your wire and gas and you're ready to weld!

Fabricator 190: The affordable workhorse

Welding DC

Maximum output	190 Amp
Duty cycle @ 104°F	15% @ 190 Amp at 23.4V
Output @ 30% duty cycle @ 104°F	145 Amp at 22V
Current range	30-190 Amp
Number of voltage settings	8
Welding voltage range	15.8-25 Volt
Maximum plate thickness	5/16" (7.9mm)
Wire diameter range	Mild steel: .023" - .035" (0.6 - 0.9mm)
	Stainless steel: .023" - .035" (0.6 - 0.9mm)
	Aluminum: .030" - .035" (0.8 - 0.9mm)
	Flux cored: .030" - .045" (0.8 - 1.2mm)
Fitted feed roll suits MIG wire	.023" - .030"/.035" (0.6 - 0.8 / 0.9mm)
Dimensions (HxWxD)	33"x16.3"x34.1" (838x414x866mm)
Weight	128 lb (58kg)

The Fabricator 190 is a 230 Volt integrated MIG machine with a high 190 Amp maximum output, 8 voltage steps, spot timer and industrial spool capacity of 33/44 lb. Supplied as standard with a wheel kit, cylinder rack, regulator and quality Tweco Weldskill gun. Fabricator 190's standard features plus its comprehensive setup chart makes this package ideal for car panel and sheetmetal fabrication up to 5/16" (7.9mm) plate.

Applications include:

- Auto body repairs
- Farm/Ranch
- Maintenance and repairs
- Hobbyist
- Sheet metal fabrication



Supplied with

Tweco
MIG gun

Primary Power

Primary voltage	230 Volt
Supply plug	NEMA 6-50P
Lead cord length	10ft (3m)
Maximum input current @ 190 Amp	34Amp
Rated kVA @ 190 Amps	7.9 kVA
Approvals	CSA (pending) IEC 60974-1 (CE)



Part No: W1001500

* Limited warranty, refer to warranty schedule.

Fabricator 210: The essential sheetmetal companion

Welding DC	
Maximum output	250 Amp
Maximum duty cycle @ 104°F	30% @ 250 Amp at 26.2V
Output @ 40% duty cycle @ 104°F	210 Amp at 25.3V
Output @ 60% duty cycle @ 104°F	176 Amp at 23.6V
Output @ 100% duty cycle @ 104°F	137 Amp at 21.0V
Current range	20-250 Amp
Number of voltage settings	16
Welding voltage range	15.2-26.2 Volt
Maximum plate thickness	1/2" (12.7mm)
Wire diameter range	Mild steel: .023" - .045" (0.6 - 1.2mm)
	Stainless steel: .023" - .045" (0.6 - 1.2mm)
	Aluminum: .030" - .045" (0.8 - 1.2mm)
	Flux cored: .030" - .045" (0.8 - 1.2mm)
Fitted feed roll suits MIG wire	.035" - .045" (0.9 - 1.2mm)
Dimensions (HxWxD)	32"x21"x36.8" (813x533x935mm)
Weight	200 lb (91kg)

The Fabricator 210 is a 208-230 Volt integrated MIG machine with a leading performance of 250 Amp maximum output @ 30% duty cycle, 16 voltage steps, spool gun ready and spot/stitch timers. Supplied as standard with a wheel kit, cylinder rack, regulator, comprehensive setup chart and quality Tweco Weldskill gun. The Fabricator 210 is extremely versatile with an optimized low end performance for .023" (0.6mm) down to 20 Amps and a top end of 250 Amps to comfortably run .045" (1.2mm) wires. Fabricator 210 is the ideal choice for sheetmetal work, training schools and light fabrication up to 1/2" (12.7mm) plate. Applications include:

- Auto body repairs
- Farm/Ranch
- Maintenance and repairs
- Hobbyist
- Vocational schools
- Technical schools
- Light fabrication
- Aluminum welding with a spool gun

GOLD WARRANTY
5 Year*



Supplied with

Tweco
MIG gun

Primary Power

Primary voltage	208/230 Volt
Supply plug	NEMA 6-50P
Lead cord length	10ft (3m)
Maximum input current @ 250 Amp	54/49 Amp
Rated kVA @ 250 Amps	11.2 kVA
Approvals	CSA (pending) IEC 60974-1 (CE)

Additional Features

- Spool gun compatible
- Easy spool gun fit-up, with no tools required
- Spot, stitch and dwell timers
- Storage box for consumable parts, drive rolls, etc

Part No: 100047B-001

* Limited warranty, refer to warranty schedule.

Fabricator 251: The accomplished all-rounder

Welding DC

Maximum output	300 Amp
Maximum duty cycle @ 104°F	40% @ 300 Amp at 31.7V
Output @ 60% duty cycle @ 104°F	250 Amp at 26.5V
Output @ 100% duty cycle @ 104°F	195 Amp at 24V
Current range	20-300 Amp
Number of voltage settings	24
Welding voltage range	14.5-31.7 Volt
Maximum plate thickness	5/8" (15.9mm)
Wire diameter range	Mild steel: .023" - .045" (0.6 - 1.2mm)
	Stainless steel: .023" - .045" (0.6 - 1.2mm)
	Aluminum: .030" - 1/16" (0.8 - 1.6mm)
	Flux cored: .030" - 1/16" (0.8 - 1.6mm)
Fitted feed roll suits MIG wire	.035" - .045" (0.9 - 1.2mm)
Dimensions (HxWxD)	32"x27.2"x36.8" (813x691x935mm)
Weight	227 lb (103kg)

The Fabricator 251 is a 208-230 Volt integrated MIG machine with a best in class performance of 300 Amp maximum output @ 40% duty cycle (250 Amp @ 60%), 24 voltage steps, spool gun operation on demand, digital meters and spot/stitch timers. Supplied as standard with a wheel kit, dual cylinder rack, regulator, comprehensive setup chart and quality Tweco Weldskill gun. The Fabricator 251 is also extremely versatile with an optimized low end performance for .023" (0.6mm) down to 20 Amps and a top end of 300 Amps to comfortably run 1/16" (1.6mm) wires. Fabricator 251 is the ideal choice for sheetmetal work, training schools and light to medium fabrication up to 5/8" (15.9mm) plate. Applications include:

- Light to medium fabrication
- Farm/Ranch
- Maintenance and repairs
- Vocational schools
- Technical schools
- Sheet metal fabrication
- Aluminum welding with a spool gun

GOLD WARRANTY
5 Year*

Supplied with

Tweco
MIG gun

Primary Power

Primary voltage	208/230 Volt
Supply plug	NEMA 6 - 50P
Lead cord length	10ft (3m)
Maximum input current @ 300 Amp	68/62 Amp
Rated kVA @ 300 Amps	15 kVA
Approvals	CSA (pending) IEC 60974-1 (CE)

Additional Features

- Spool gun compatible with automatic switching
- Easy spool gun fit-up, with no tools required
- Spot, stitch and dwell timers
- Storage box for consumable parts, drive rolls, etc
- Digital meter

Part No: 100048D-002

* Limited warranty, refer to warranty schedule.

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Fabricator 281: The versatile heavyweight all-rounder

Welding DC	
Maximum output	300 Amp
Maximum duty cycle @ 104°F	40% @ 300 Amp at 31.7V
Output @ 60% duty cycle @ 104°F	250 Amp at 26.5V
Output @ 100% duty cycle @ 104°F	195 Amp at 24V
Current range	20-300 Amp
Number of voltage settings	24
Welding voltage range	14.5-31.7 Volt
Maximum plate thickness	5/8" (15.9mm)
Wire diameter range	Mild steel: .023" - .045" (0.6 - 1.2mm)
	Stainless steel: .023" - .045" (0.6 - 1.2mm)
	Aluminum: .030" - 1/16" (0.8 - 1.6mm)
	Flux cored: .030" - 1/16" (0.8 - 1.6mm)
Fitted feed roll suits MIG wire	.035" - .045" (0.9 - 1.2mm)
Dimensions (HxWxD)	58"x27.2"x36.8" (1473x691x935mm)
Weight	249 lb (113kg)



Supplied with

Tweco
MIG gun

The Fabricator 281 is identical to the popular Fabricator 251 in standard features and performance including best in class output of 300 Amp @ 40% duty cycle (250 Amp @ 60%). However, the 281 has a complete separate wirefeeder system with 26 feet of interconnecting cables from the power source. The wirefeeder conveniently fits on a pivot mount on top of the power source. The wirefeeder can simply be lifted off the pivot and carried up on top of equipment or machinery, 26 feet away. Additionally the spool gun connects to the wirefeeder allowing even further distance. The Fabricator 281 is the most versatile all round performer in the range. Applications include:

- Agricultural equipment manufacture and repair
- Transport equipment manufacture and repair
- Farm/Ranch
- General maintenance and repairs
- Light to medium fabrication
- Aluminum welding with a spool gun



Primary Power

Primary voltage	208/230 Volt
Supply plug	NEMA 6 - 50P
Lead cord length	10ft (3m)
Rated input current @ 300 Amp	68/62 Amp
Rated kVA @ 300 Amp	15 kVA
Approvals	CSA (pending) IEC 60974-1 (CE)

Additional Features

- Separate wirefeeder with 26ft (8m) interconnecting cables
- Spool gun compatible with automatic switching
- Easy spool gun fit-up, with no tools required
- Spot, stitch, dwell and timers
- Storage box for consumable parts, drive rolls, etc
- Digital meter

Note: Wire coil not included

Part No: W1001600

* Limited warranty, refer to warranty schedule.

Ordering details

Product	Part No.	Description
Fabricator 190 accepts 10 lb/ 33 lb/44 lb spool, with Wheels and Cylinder Rack Fitted		
Fabricator 190 Package	W1001500	Fabricator 190, TWECO Weldskill MIG gun, 2 roll wire feed system, single cylinder rack, 6ft (1.8m) gas hose, gas regulator/flowmeter, 10ft (3m) work lead
Accessories for Fabricator 190		
Drive Roll .023"-.030"/.035" (0.6-0.8/0.9mm)	7977036	V grooved for hard wire
Drive Roll .035"-.045" (0.9-1.2mm)	7977660	V grooved for hard wire
Drive Roll .030"-.035" (0.8-0.9mm)	7977731	U grooved for soft wire
Drive Roll .040"-.045" (1.0-1.2mm)	7977264	U grooved for soft wire
Drive Roll .030"-.035" (0.8-0.9mm)	7977732	V grooved knurl for cored wire
Drive Roll .045"-1/16" (1.2-1.6mm)	704277	V grooved knurl for cored wire
Fabricator 210 accepts 10 lb/ 33 lb/44 lb spool, with Wheels and Cylinder Rack Fitted		
Fabricator 210 Package	100047B-001	Fabricator 210, Tweco Weldskill MIG gun, 2 rolls wire feed system, single cylinder rack, 6ft (1.8m) gas hose, gas regulator/flowmeter, 10ft (3m) work lead
Fabricator 251 accepts 10 lb/ 33 lb/44 lb spool, with Wheels and Dual Cylinder Rack Fitted		
Fabricator 251 Package	100048D-002	Fabricator 251, Tweco Weldskill MIG gun, 2 roll wire feed system, dual cylinder rack, 6ft (1.8m) gas hose, gas regulator/flowmeter, 10ft (3m) work lead
Fabricator 281 accepts 10 lb/ 33 lb/44 lb spool, with Wheels and Dual Cylinder Rack Fitted		
Fabricator 281 Package	W1001600	Fabricator 281, Tweco Weldskill MIG gun, Volt/Amp-meter, 2 roll wire feed system, separate wire feeder with 26ft (8m) interconnection cables, dual cylinder rack, gas hose, gas regulator/flowmeter, 26ft (8m) work lead
Spool Guns for Fabricator 210, Fabricator 251, Fabricator 281		
Spool Gun 25ft	W4011000	Gun Assembly with 25ft Cable, 200 Amp @ 60%
Tweco® Spool Gun 25ft	90906	Gun Assembly with 25ft Cable, 300 Amp @ 60%
Accessories for Fabricator 210, Fabricator 251, Fabricator 281		
Single Cylinder Rack/Running Gear	W4010001	Running gear and single cylinder rack
Dual Cylinder Rack/Running Gear	W4010002	Running gear and dual cylinder rack
Digital Meter Kit (251, 281 only)	706744	Meter kit to display voltage or amperage (supplied standard)
Drive Roll Kit .023" (0.6mm)	375980-031	1 smooth double V grooved drive roll, 1 flat pressure roll, input guide, output guide
Drive Roll Kit .030"-.035" (0.8-0.9mm)	375980-001	1 smooth double V grooved drive roll, 1 flat pressure roll, input guide, output guide
Drive Roll Kit .045" (1.2mm)	375980-002	1 smooth double V grooved drive roll, 1 flat pressure roll, input guide, output guide
Drive Roll Kit .052" (1.3mm)	375980-090	1 smooth double V grooved drive roll, 1 flat pressure roll, input guide, output guide
Drive Roll Kit .035" (0.9mm)	375980-010	2 smooth double V grooved drive rolls, input guide, output guide
Drive Roll Kit 3/64" (1.2mm)	375980-011	2 smooth double V grooved drive rolls, input guide, output guide
Drive Roll Kit .052"-1/16" (1.3-1.6mm)	375980-012	2 smooth double V grooved drive rolls, input guide, output guide
Drive Roll Kit .030"/.035"-.045" (0.8/0.9-1.2mm)	375980-029	1 smooth double V grooved drive roll, 1 flat knurled pressure roll, input guide, output guide
Drive Roll Kit .045" (1.2mm)	375980-092	2 knurled double V grooved drive rolls, input guide, output guide
Drive Roll Kit .052"-1/16" (1.3-1.6mm)	375980-017	2 knurled double V grooved drive rolls, input guide, output guide
Drive Roll Kit .045" (1.2mm)	375980-022	2 cog double V grooved drive rolls, input guide, output guide
Drive Roll Kit .035" (0.9mm)	375980-032	2 smooth double U grooved drive rolls, input guide, output guide
Drive Roll Kit 3/64" (1.2mm)	375980-033	2 smooth double U grooved drive rolls, input guide, output guide
MIG Gun Control Lead & 4 Pin Plug	MSAK-354	Connection lead between Tweco MIG guns & Fabricators
Gas Regulators		
Victor Regulator/Flowmeter Mixed Gases	0781-2723	Medalist™ 1400 Series, HRF Flowmeter Regulator, Argon- Argon/CO ₂ mix gases
Victor Regulator/Flowmeter CO ₂	0781-2725	Medalist™ 1400 Series, HRF Flowmeter Regulator, CO ₂ gas

For further information on this range contact your Thermal Arc District Manager or refer to our fully detailed Technical Sales Brochures at www.thermalarc.com.



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