

MigMatic® S400i/S500i

Synergic MIG Systems

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MIG/MAG (CV)
Welding System



Quick Specs



Industrial Applications

General industrial fabrication
Construction
Railcars
Mobile machinery
Shipbuilding

Processes

MIG/MAG (GMAW)
Flux-cored (FCAW)

Input Power Welding Output

400 V, 3 phases (50/60 Hz)
S400i: 400 A, 34 V at 80% duty cycle
S500i: 500 A, 39 V at 50% duty cycle

Max. Output Amperage

S400i: 440 A

Output Range

S500i: 550 A
S400i: 15 A – 400 A
S500i: 15 A – 500 A

Net Weight

Power source: 53 kg
Wire feeder: 19 kg
Cooler: 23 kg

Performance / Durability / Productivity

NEW!

Miller MigMatic® S400i / S500i are fully synergic MIG/MAG systems featuring the unique Miller drive system for the highest level of wire feed performance and reliability. All modules are bespoke to the system and designed for trouble free, high productivity welding. Never before has it been so easy and straight forward to achieve excellent welding performance. Enjoy full control at all times.

Trigger program switch

Re-call up to 4 preset programs from the torch trigger (any standard MIG torch) for increased productivity on complex objects.

Miller robustness

Tested and approved for heavy duty welding under the toughest conditions. Miller goes to extreme measures to ensure trouble free welding in any environment.

The toughest wire drive mechanism

The Miller unique 4-roll drive system will ensure trouble free wire feeding.

Energy efficient

The Fan-On-Demand™ power source cooling system operates only when needed, reducing the amount of contaminants pulled through the machine. The MigMatic® Cool is controlled and monitored by the power source and runs only when needed, reducing noise and the overall energy use.

Full synergic MIG/MAG with presets

Synergic lines for all common wire/gas combinations with presets of start/stop parameters for optimal welds.

Wind Tunnel Technology™

Internal air flow that protects electrical components and PC boards from dirt, dust and debris, greatly improving reliability.

Ease of use and versatility

Large intuitive LCD panel for quick and precise setting of advanced weld parameters.



Easy to use



Versatility

- Compatible with Push / Pull torches (optional accessory kit)
- Optional connection for automation.
- Upgradable from air cooled to water cooled without any modification to the machine or trolley.
- Suspension hook and wheel kit for the wire feeder for increased reach.
- Cable management system keeping the interconnection cable off the floor.
- Compatible with On-torch control of wire feed speed and voltage (available in Q4-2020).

TRUE BLUE
3YR. WARRANTY

Warranted for three years, parts and labour.

ITW WELDING



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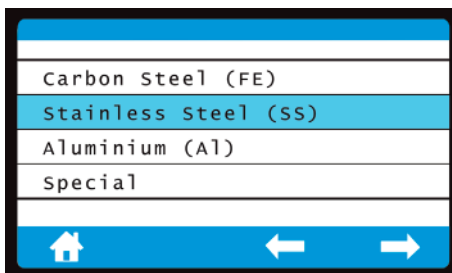
Advanced weld settings made easy

The machine is ready for advanced manual and synergic MIG/MAG welding in seconds.

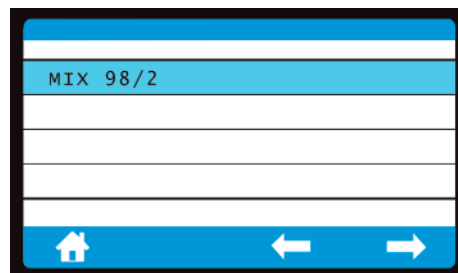
Step 1: Select your process



Step 2: Select your base material



Step 3: Select your gas mixture



Step 4: Select your wire diameter



Result: Ready to weld



MigMatic® user interface – clean, crisp and easy to use

The MigMatic® system provides a full set of features and settings at your fingertips – ease of use without compromise.

Four different trigger options:

- 2T
- 4T
- Miller 4TS
- Stitch



1. Weld processes:

- A. Manual MIG/MAG
- B. Synergic

2. Adjustment of parameters:

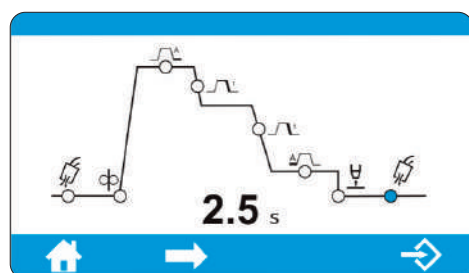
- A. Pre/post gas
- B. Run-in speed
- C. Crater fill
- D. Burnback
- E. Inductance

3. Store, modify and recall programs:

- A. A total of 8 programs available
- B. The first 4 recalled using the torch trigger

4. System settings and factory reset

Miller 4TS trigger functionality –
Gives access to hot start or cold start from the torch trigger



MigMatic® S400i / S500i components



MigMatic® Feed is equipped with the Miller unique 4-wheel drive system with 37 mm driven rollers. The feeder can be fitted with wheels or suspended from a crane with interconnection cables up to 30 meters. The strain relief and the cable management system (part of the trolley) keep the interconnection cable protected.



MigMatic® S400i/S500i benefits from Wind Tunnel Technology™ directing the airflow where it is needed whilst sensitive components are protected from ingress of dust and moisture.



MigMatic® Cool powered by the S400i/S500i is equipped with a low flow alarm and a push button to prime the pump. The tank can hold up to 5 litres of coolant and the system generates 1 kW or 3412 BTU/h.



MigMatic® Cart can easily be adjusted to carry both the air and water cooled system. The wheels are large and durable making the system easy to move between work sites.



Specifications (Subject to change without notice.)



MigMatic® S400i

Input Power	Voltage Range in CV	Amp Range DC	Rated Output @ 40°C	IP Rating	Max. Open Circuit Voltage	Dimensions H/W/D	Weight
400 VAC, 3 ph (50/60 Hz)	13 - 42 V	15 - 400 A	400 A / 34 V @ 80% duty cycle	IP23S	70 VDC	530 / 305 / 730 mm	53 kg

MigMatic® S500i

Input Power	Voltage Range in CV	Amp Range DC	Rated Output @ 40°C	IP Rating	Max. Open Circuit Voltage	Dimensions H/W/D	Weight
400 VAC, 3 ph (50/60 Hz)	13 - 42 V	15 - 500 A	500 A / 39 V @ 50% duty cycle	IP23S	70 VDC	530 / 305 / 730 mm	53 kg

MigMatic® Feed

Input power	Welding Power Source	Wire Feed Speed	Wire Diameter Capacity	Max. Spool Size Capacity	Input Welding Circuit Rating	Dimensions H/W/D	Weight
42 VAC	S400i S400iP S500i	1.5 - 20 m/min	0.6 - 2.0 mm	300 mm	39 V 500 A 60% duty cycle	465 / 275 / 710 mm	19 kg

MigMatic® Cool

Coolant Tank Capacity	Maximum Cooling Capacity	Input Power	Cooler on Standby	Cooler Enabled	Dimensions H/W/D	Weight
5 l	1 kW (3412 BTU/h)	400 VAC 50/60 Hz	Volts in: 400 VAC I in: 54 mA Input power (W): 6 Input power (VA): 22	Volts in: 400 VAC I in: 683 mA Input power (W): 237 Input power (VA): 273	292 / 305 / 720 mm	23 kg

Drive Rolls and Wire Guides*

Wire Size	"V" Groove Drive Roll for Hard Wire	"U" Groove Drive Roll for Soft Wire or Soft-Shelled Cored Wires	"V" Knurled Drive Roll for Hard-Shelled Cored Wires
0.8 mm	046780	—	—
1.0 mm	046781	044750	—
1.2 mm	046782	046785	046793
1.4 mm	046783	—	046794
1.6 mm	046784	046787	046795



* Kits including a set of drive rolls and wire guides.

Ordering Information

System Component	Stock No.	Description	Qty.	Price
MigMatic® S400i	059015054	400 VAC, 3 ph (50/60 Hz) equipped with mains cable, 3 m		
MigMatic® S500i	059015056	400 VAC, 3 ph (50/60 Hz) equipped with mains cable, 3 m		
MigMatic® Feed	059007022	Fitted with Euro connector, 1.0 - 1.2 mm "V" groove drive rolls and spool cover		
MigMatic® Cool	058042005	1kW of cooling, 5 l tank capacity		
MigMatic® Cart	058066141	Complete for air- or water-cooled system, incl. swivel for wire feeder		
Interconnection Cables				
Interconnection cable 2.5 m, MigMatic® air	058019368			
Interconnection cable 5 m, MigMatic® air	058019369			
Interconnection cable 10 m, MigMatic® air	058019370			
Interconnection cable 15 m, MigMatic® air	058019371			
Interconnection cable 20 m, MigMatic® air	058019372			
Interconnection cable 30 m, MigMatic® air	058019373			
Interconnection cable 2.5 m, MigMatic® water	058019374			
Interconnection cable 5 m, MigMatic® water	058019375			
Interconnection cable 10 m, MigMatic® water	058019376			
Interconnection cable 15 m, MigMatic® water	058019377			
Interconnection cable 20 m, MigMatic® water	058019378			
Interconnection cable 30 m, MigMatic® water	058019379			
Accessories				
Wheel kit for MigMatic® Feed	028066304			
Return cable kit, 400 A, 70 mm², 5 m	057014340			
Push / Pull configuration kit	057084226	For installation in the feeder to synchronize the drive motors		
14-pin receptacle kit for automation	056076174	For installation in the feeder to facilitate connection with external automation components		
Bernard™ Q300, air cooled Mig Gun, 4.5 m	Q3015TE3EEQ			
Bernard™ T-Gun, 400 A, water cooled, 4.5 m	E4215-45-5-445Q			
Coolant 3.8 l	043810	2 canisters required to fill the tank		

Date:

Total Quoted Price:

Miller recommends **Elega** consumables

Distributed by:

MigMatic® MP S400iP

Synergic Pulsed MIG System

MIG/MAG (CV)
Welding System



Quick Specs



Industrial Applications

General industrial fabrication
Construction
Railcars
Mobile machinery
Shipbuilding

Processes

MIG/MAG (GMAW)
Pulsed MIG (GMAW-P)
Double Pulsed MIG
Flux-cored (FCAW)
Lift Tig (MP Model)
MMA (MP Model)

Input Power

400 V, 3 phases (50/60 Hz)

Welding Output

400 A, 34 V at 100% duty cycle

Max. Output Amperage

440 A

Output Range

15 A – 400 A

Net Weight

Power source: 53 kg
Wire feeder: 18 kg
Cooler: 23 kg

Performance / Durability / Productivity

NEW!

Miller MigMatic® MP S400iP synergic Pulsed MIG/MAG System offers full flexibility. All modules are bespoke to the system and designed for trouble free, high productivity welding. Never before has it been so easy and straight forward to achieve excellent welding performance. Enjoy full control at all times.

Trigger program switch

Re-call up to 4 preset programs from the torch trigger (any standard MIG torch) for increased productivity on complex objects.

Multiprocess

A new multiprocess version is now available enabling lift TIG and MMA.

MigMatic Feed 2.0

A new generation of feeder has been developed to step up the user experience and quality of the MigMatic family.

Miller robustness

Tested and approved for heavy duty welding under the toughest conditions. Miller goes to extreme measures to ensure trouble free welding in any environment.

Energy efficient

The Fan-On-Demand™ power source cooling system operates only when needed, reducing the amount of contaminants pulled through the machine. The MigMatic® Cool is controlled and monitored by the power source and runs only when needed, reducing noise and the overall energy use.

Full synergic Pulse with presets

Synergic lines for all common wire/gas combinations with presets of start/stop parameters for optimal welds.

Wind Tunnel Technology™

Internal air flow that protects electrical components and PC boards from dirt, dust and debris, greatly improving reliability.



Ease of use and versatility

New display with a larger size and higher clarity.



Easy to use

Versatility

- Compatible with Push/Pull torches (optional accessory kit).
- Optional connection for automation.
- Upgradable from air cooled to water cooled without any modification to the machine or trolley.
- Suspension hook and wheel kit for the wire feeder for increased reach.
- Cable management system keeping the interconnection cable off the floor.
- Compatible with On-torch control of wire feed speed and voltage.



Warranted for three years, parts and labour.



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New MigMatic Feed design

Hardware upgrade:

- More compact
- Screen incline
- Updateable through USB port
- Easy to carry
- Full protection for water hoses
- Push encoder
- Gun holder



Upgraded UI:

- Better clarity
- Larger size
- Improved accessibility to settings
- Intuitive UI

MigMatic® user interface – clean, crisp and easy to use

The MigMatic® system provides a full set of features and settings at your fingertips – ease of use without compromise.



1. Four different trigger options:

- 2T
- 4T
- Miller 4TS
- Spot

2. Weld processes:

- A. Manual MIG/MAG
- B. Synergic
- C. Synergic Pulse
- D. Synergic Double Pulse

3. Adjustment of parameters:

- A. Pre/post gas
- B. Run-in speed
- C. Crater fill
- D. Burnback
- E. Inductance

4. Store, modify and recall programs:

- A. A total of 8 programs available
- B. The first 4 recalled using the torch trigger

5. System settings and factory reset

MigMatic® S400iP / MP S400iP components



MigMatic® Feed 2.0 is equipped with a robust 4 wheel drive mechanism which will last in toughest conditions. The feeder can be suspended from a crane with interconnection cable up to 30 meters. The new design makes in more compact and intuitive for the operator.



MigMatic® MP S400iP is the new multiprocess model in the MigMatic product family which enables lift tig and MMA capabilities.



MigMatic® Cool powered by the S400iP is equipped with a low flow alarm and a push button to prime the pump. The tank can hold up to 5 litres of coolant and the system generates 1 kW or 3412 BTU/h.



MigMatic® Cart can easily be adjusted to carry both the air and water cooled system. The wheels are large and durable making the system easy to move between work sites.



Specifications (Subject to change without notice.)



MigMatic® MP S400iP

Mode	Voltage Range in CV	Amp Range DC	Rated Output @ 40°C	IP Rating	Max. Open Circuit Voltage	Dimensions H/W/D	Weight
MIG	13 - 42 V	15 - 400 A	400 A / 34 V @ 100% duty cycle	IP23S	70 VDC	530 / 305 / 730 mm	53 kg
MMA / Stick	—	15 - 400 A	400 A / 36 V @ 100% duty cycle		70 VDC		
TIG Lift-Arc	—	15 - 400 A	400 A / 26 V @ 100% duty cycle		70 VDC		

MigMatic® Feed 2.0

Input Power	Welding Power Source	Wire Feed Speed	Wire Diameter Range	Welding Circuit Rating	Dimensions H/W/D	Weight
42 VAC, 1 ph (50/60 Hz)	S400i, MP S400iP S400iP, S500i	1.5 - 20 m/min	0.6 - 1.8 mm	39 V, 500 A, 60% duty cycle	465 / 275 / 710 mm	18 kg

MigMatic® Cool

Coolant Tank Capacity	Maximum Cooling Capacity	Input Power	Cooler on Standby	Cooler Enabled	Dimensions H/W/D	Weight
5 l	1 kW (3412 BTU/h)	400 VAC 50/60 Hz	Volts in: 400 VAC I in: 54 mA Input power (W): 6 Input power (VA): 22	Volts in: 400 VAC I in: 683 mA Input power (W): 237 Input power (VA): 273	292 / 305 / 720 mm	23 kg

Drive Rolls (ø 37 mm)

Drive Rolls for Steel

Groove	Type	Stock No.	Quantity
0.6 - 0.8 mm	Pressure roll	7700000011	x2
	Feed roll	7700000016	x2
0.8 - 1.0 mm	Pressure roll	7700000012	x2
	Feed roll	7700000017	x2
0.9 - 1.1 mm	Pressure roll	7700000013	x2
	Feed roll	7700000018	x2
1.0 - 1.2 mm	Pressure roll	7700000014	x2
	Feed roll	7700000019	x2
1.2 - 1.6 mm	Pressure roll	7700000015	x2
	Feed roll	7700000020	x2

Drive Rolls for Aluminium

Groove	Type	Stock No.	Quantity
0.8 - 1.0 mm	Drive Rolls	7700000021	x4
1.0 - 1.2 mm	Drive Rolls	7700000022	x4
1.2 - 1.6 mm	Drive Rolls	7700000023	x4

Drive Rolls for Flux Core

Groove	Type	Stock No.	Quantity
1.2 - 1.6 mm	Drive Rolls	7700000024	x4

MIG guns – Miller® EuroGun line

Stock No.	EuroGun	Water	Air	Euro connector	Water quick connect	Remote WFS and Volts control on gun	3 meter	4.5 meter	Rating CO ₂ gas (A)	Rating Mix gas (A)	Duty cycle (%)
058023005	A-300	-	●	●	-	-	●	-	300	250	100
058023006	A-300	-	●	●	-	-	-	●	300	250	100
058023007	A-300R	-	●	●	-	●	●	-	300	250	100
058023008	A-300R	-	●	●	-	●	-	●	300	250	100
058023001	W-500	●	-	●	●	-	●	-	500	400	100
058023002	W-500	●	-	●	●	-	-	●	500	400	100
058023003	W-500R	●	-	●	●	●	●	-	500	400	100
058023004	W-500R	●	-	●	●	●	-	●	500	400	100

A – air cooled **W** – water cooled **R** – remote current control on gun

Ordering Information

System Component	Stock No.	Description	Qty.	Price
MigMatic® Multiprocess	3400000003	400 VAC, 3 ph (50/60 Hz) equipped with mains cable, 3 m		
MigMatic® Feed 2.0	3800000003	Fitted with Euro connector, 1.0 - 1.2 mm "V" groove drive rolls and spool cover		
MigMatic® Cool	058042005	1 kW of cooling, 5 l tank capacity		
MigMatic® Cart	058066141	Complete for air- or water-cooled system, incl. swivel for wire feeder		
Interconnection Cables				
Interconnection cable 2.5 m, MigMatic® air	058019368			
Interconnection cable 5 m, MigMatic® air	058019369			
Interconnection cable 10 m, MigMatic® air	058019370			
Interconnection cable 15 m, MigMatic® air	058019371			
Interconnection cable 20 m, MigMatic® air	058019372			
Interconnection cable 30 m, MigMatic® air	058019373			
Interconnection cable 2.5 m, MigMatic® water	058019374			
Interconnection cable 5 m, MigMatic® water	058019375			
Interconnection cable 10 m, MigMatic® water	058019376			
Interconnection cable 15 m, MigMatic® water	058019377			
Interconnection cable 20 m, MigMatic® water	058019378			
Interconnection cable 30 m, MigMatic® water	058019379			
Accessories				
Wheel kit for MigMatic® Feed	028066304			
Return cable kit, 400 A, 70 mm², 5 m	057014340			
Suspension hook	058435	To attach to the wire feeder when suspended from a crane/boom		
Push/Pull configuration kit	057084226	For installation in the feeder to synchronize the drive motors		
14-pin receptacle kit for automation	056076174	For installation in the feeder to facilitate connection with external automation components		
Miller® EuroGun		See section MIG Guns – Miller® EuroGun		
Coolant 3.8 l	043810	2 canisters required to fill the tank		

Date:

Total Quoted Price:

Miller recommends *Elega* consumables

Distributed by:



XMT[®] 350 FieldPro[™] Systems

**Multiprocess
Welding System** 

Quick Specs

Heavy Industrial Applications

Construction
Shipbuilding
Power generation plants
Rental fleets

Processes

MIG (GMAW)
Pulsed MIG (GMAW-P)*
RMD[®]*
Stick (SMAW)
TIG (GTAW)
Flux-cored (FCAW)
Air carbon arc
cutting and gouging (CAC-A)

Input Power Auto-Line[™], 208–575 V
Requires 3- or 1-phase power

Output Range 10–38 V, 15–425 A

Net Weight 93 lb. (42.2 kg)

ArcReach[®] Remote voltage control without
a control cord

**Available with ArcReach Smart Feeder only.*



Game-changing welding technologies can stop you from wasting hours every day.

ArcReach welding technology minimizes the non-value-added time spent walking to and from the power source — and maximizes arc-on time, weld quality and jobsite safety.

When operators have complete control at the feeder or remote — even hundreds of feet away from the power source — it minimizes downtime and maximizes productivity, while improving operator safety and delivers high quality welds.



**XMT 350 FieldPro
with ArcReach Technology**

Ideal for:

- Structural
- General construction
- Ship

**XMT 350 FieldPro Polarity Reversing
with ArcReach Technology**

Ideal for:

- Process pipe
- Module assemblies



**More Jobsite
Productivity and
Efficiency**



**Exceptional
Arc Performance**



**Increased
Uptime**



**Improved
Jobsite Safety**



**Maximum Fleet
Compatibility**



**More Operator
Control**

ArcReach[®]

Remote voltage control at the wire feeder or remote without needing a control cord. See page 2 for more information.



Power source is warranted for three years, parts and labor.



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MillerWelds.com



XMT® 350 FieldPro™ Systems Benefits



More Jobsite Productivity and Efficiency

ArcReach® capabilities eliminate the time spent tracing weld cables hundreds of feet back to the power source because weld operators can make adjustments at the ArcReach wire feeder or remote.

- **Cable Length Compensation (CLC™)** ensures that the voltage a weld operator sets is the voltage they get by automatically adjusting voltage based on weld cable length, even hundreds of feet away from the power source. *(Only available when connected to an XMT 350 FieldPro power source).*



Exceptional Arc Performance

XMT 350 Field Pro systems maximize weld quality, reduce training time and minimize weld defects even while using weld cables that are hundreds of feet long.

- **Common weld failures can be minimized** with stick stops that are specifically programmed to eliminate arc strikes outside of the heat-affected zone.
- **Regulated Metal Deposition (RMD®) and pulsed MIG** are fully supported, enabling operators to use these advanced processes in the field for faster, more-efficient welds.



Increased Uptime

XMT 350 FieldPro welders and ArcReach feeders and remotes have been extensively field-proven and deliver the performance you need with ruggedly constructed internal components and Wind Tunnel Technology™.

- **No more expenses related to maintaining or replacing easily damaged control cords** because the weld cables are used to communicate weld parameters between the wire feeder and power source.



Improved Jobsite Safety

The chances of slip, trip or fall injuries are decreased because ArcReach technology allows weld operators to make parameter changes at the wire feeder/remote instead of having to travel through multistory and cluttered jobsites back to the power source.



Maximum Fleet Compatibility

Maximize fleet compatibility and get the benefits of ArcReach when you pair XMT 350 FieldPro welders and ArcReach feeders with other ArcReach compatible products.



More Operator Control

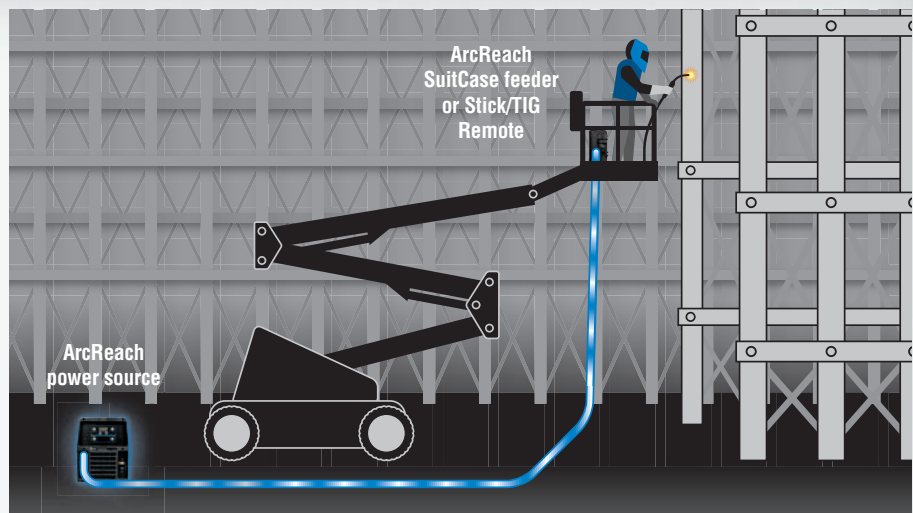
More control for weld operators with quick, easy adjustments at the wire feeder/remote.

- **Weld operators can Adjust While Welding (AWW™)** to change weld parameters while the arc is on. *(Only available when connected to an XMT 350 FieldPro power source).*
- **Inadvertent parameter changes by other jobsite workers can be easily avoided** because connecting an ArcReach accessory from the power source automatically locks out the power source's panel controls.
- **Return to a previous weld process faster** because the power source is restored to its previous settings once the ArcReach accessory is removed.
- **Decrease the chance of an incorrect weld process being used** because Auto-Process Select™ automatically sets the power source to the correct weld process based on the polarity applied to the weld accessory.

ArcReach®

Remote control of the power source without a control cord.

ArcReach technology uses the existing weld cable to communicate welding control information between the feeder or remote and power source. This technology eliminates the need for control cords, and their associated problems and costs.



XMT[®] 350 FieldPro[™] Series Features



For portability and reliability, Auto-Line allows for any input voltage hookup (208–575 V, single- or three-phase) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable input power.

Cable Length Compensation (CLC[™]) makes proper setup of weld parameters faster; automatically adjusting voltage based on weld cable length. This ensures that the voltage a welder operator sets is the voltage they get.

Adjust While Welding (AWW[™]) allows operators to make precise adjustments even while a weld bead is being laid, which allows parameters to be changed while the arc is on.

RMD[®] and pulse welding without control cords up to 200 feet away from the power source with the ArcReach[®] Smart Feeder.

Auto-Bind automatically establishes an exclusive communication between the power source and the wire feeder, using the existing weld cables upon system power up.

Wind Tunnel Technology[™] Internal air flow that protects electrical components and PC boards from dirt, dust debris... greatly improving reliability.

Fan-On-Demand[™] cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

Lightweight aerospace-grade aluminum case offers protection with the benefit of reduced weight.

New durability standard for field construction. Designed and built to withstand the harshest field environments.

Dinse- or Tweco[®]-style weld disconnects provide high-quality weld cable connections. *Note: Two Dinse-style connectors are supplied with each Dinse machine. Tweco cable connectors are not supplied with the unit and must be order separately.*

Jobsite mobility is made easy with a small, compact design and Auto-Line technology.

Process selector switch reduces the number of control setup combinations without reducing any features.

Adaptive Hot Start[™] makes starting stick electrodes easy without creating an inclusion.

Infinite arc control available in the stick and wire modes for easier fine tuning of tough-to-weld materials and out-of-position applications.

Lift-Arc[™] provides arc starting that minimizes contamination of the electrode and without the use of high-frequency.

True multiprocess system provides conventional stick, TIG, FCAW, and MIG welding as well as the advanced technologies of RMD and pulse.

Fleet compatibility. ArcReach-equipped power sources and wire feeders work with non-ArcReach equipment; however, the complete ArcReach benefit is only realized with the ArcReach system.

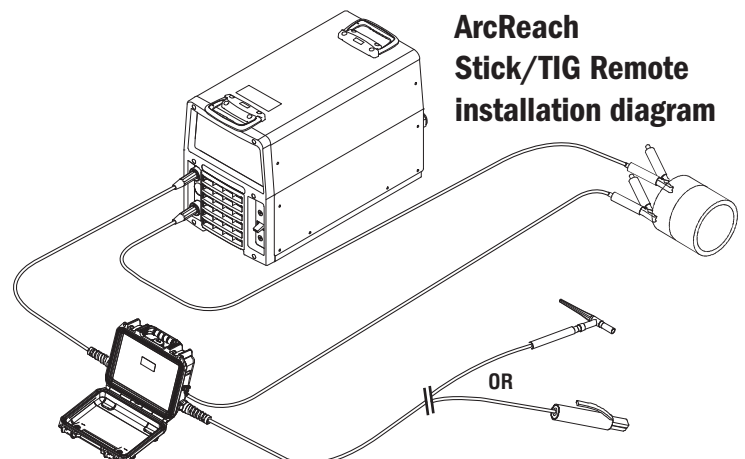
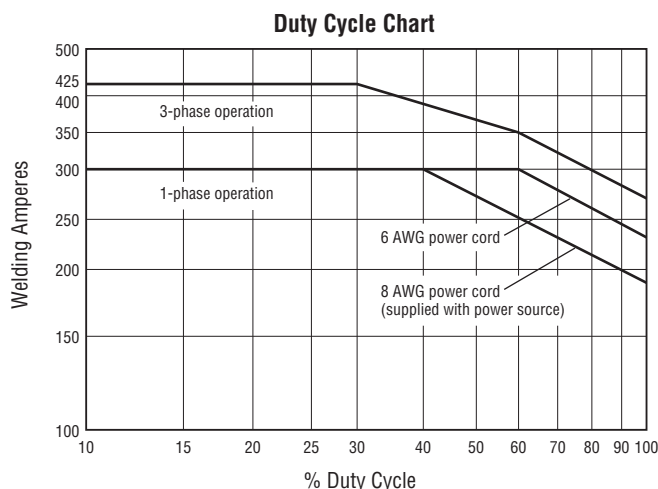
XMT[®] 350 FieldPro[™] Specifications (Subject to change without notice.)



Input Power	Voltage Range in CV Mode	Amperage Range in CC Mode	Rated Output	Amps Input at Rated Load Output, 60 Hz							Max. Open-Circuit Voltage	Dimensions	Net Weight
Three-phase	10–38 V	5–425 A	350 A at 34 VDC, 60% duty cycle	208 V	230 V	400 V	460 V	575 V	KVA	KW	75 VDC	H: 17 in. (432 mm) W: 12.5 in. (318 mm) D: 24 in. (610 mm)	93 lb. (42.2 kg)
Single-phase	10–38 V	5–425 A	300 A at 32 VDC, 60% duty cycle	60.8	54.6	29.7	24.5	19.9	11.7	11.2			

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Performance Data



XMT® 350 FieldPro™ Features



XMT 350 FieldPro



Remote in use indicator provides convenient feedback indicating an ArcReach® wire feeder is controlling the power source. While under ArcReach control, process and voltage/ amperage adjustments are locked out, preventing accidental changes by personnel other than the welding operator.



LED process indicator. Front panel process selections are illuminated with an LED that identifies the active process. This enables the selected weld process to be seen at a distance from the power source. Includes carbon arc gouging mode for enhanced arc stability and control, and two stick modes (EXX10 and EXX18) designed to reduce spatter and enhance arc starts.

Auto Remote Sense™ enables unit to automatically use remote control if connected to remote control receptacle.

14-pin receptacle has the flexibility to be used with spool guns, feeders, and remote controls.



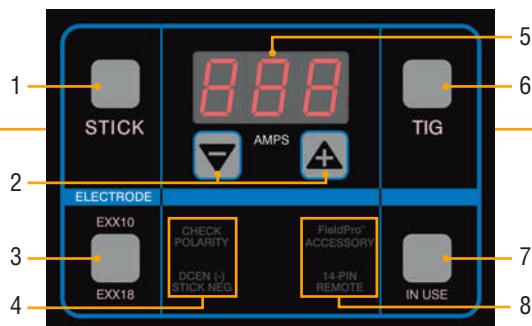
ArcReach Stick/TIG Remote

Portable and lightweight, the ArcReach® Stick/TIG Remote paired with an XMT 350 FieldPro power source allows you to change weld settings at your work area, saving a trip to the power supply. No extra control cord to purchase, maintain, string or unstring — saving time and money.

XMT® 350 FieldPro™ Polarity Reversing Features



XMT 350 FieldPro
Polarity Reversing



1. Stick Process Selection Button
2. Amperage Output Adjustment
3. Stick Electrode Type Selection
4. Polarity Indicators
5. Digital Meter
6. TIG Process Selection Button
7. In Use Indicator
8. Remote Indicators

Easy to use. The XMT 350 FieldPro Polarity Reversing power source is streamlined and simplified to reduce setup time and potential weld defects. Pushbutton process changeover eliminates the need for swapping cables. The robust design will withstand harsh environments common in the field.

Superior arc performance. The optimized stick and TIG performance specifically meets the needs of open root pipe welding and helps reduce training time and increases quality. Starts maintain root opening and prepared edge and stops limit arc marks outside of the heat-affected zone.



ArcReach Stick/TIG Remote
Polarity Reversing

Complete remote control. The ArcReach® Stick/TIG Remote Polarity Reversing provides all the same functionality of the XMT 350 FieldPro Polarity Reversing hundreds of feet from the power source, including process changeover, and amperage adjustment with no special cables. Connect the ArcReach Stick/TIG Remote Polarity Reversing in line with the electrode holder or TIG torch with standard welding cables and have *complete remote control*.

ArcReach® SuitCase® 8 and 12 Features

Setting the standard for performance.

Heavy-duty drive motor with tachometer control provides wire feed speed that is accurate and consistent from the start of the weld to the finish and from one weld to the next, which provides consistent arc quality. Front panel has trigger hold, wire jog, and gas purge for easy operator access. Wide voltage range for small and large wires with no contactor chatter or arc outages.

Set volts and wire feed speed remotely. The simple interface on the feeder allows operators to adjust parameters at the point of use with no control cords.

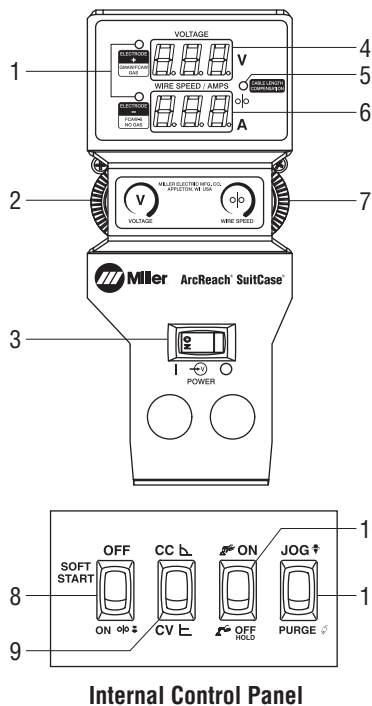


Easy process changeover. Simply connect the ArcReach SuitCase feeder to your weld lead and you are ready to go. The power source automatically switches settings to run conventional wire processes.

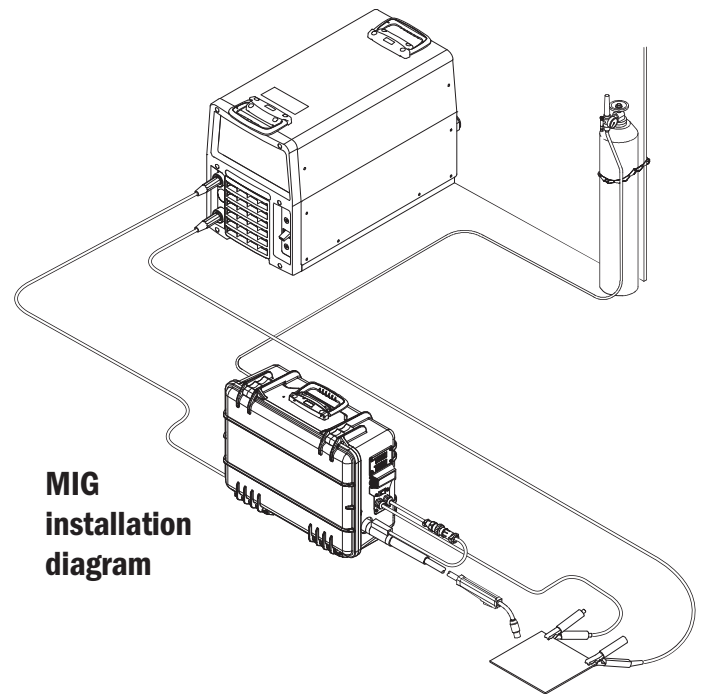
Easy solution for traditional wire process. Add the flux-cored capability of the XMT 350 FieldPro™ for fill and cap passes for increased productivity.

Durable design reduces downtime. Impact-resistant case and the elimination of feeder control cords provides a solid solution to last in harsh environments.

ArcReach® SuitCase® 12 Control Panel



1. Polarity Indicators
2. Voltage Control
3. Power Control Switch
4. Voltmeter
5. Cable Length Compensation (CLC) Indicator
6. Wire Speed/Amperage Meter
7. Wire Speed Control
8. Soft Start Switch
9. CC/CV Switch
10. Trigger Hold Switch
11. Jog/Purge Switch



ArcReach® SuitCase® Specifications (Subject to change without notice.)

CC CV DC (Use with CC or CV, DC power sources.)

Model	Input Power	Input Welding Circuit Rating	Wire Feed Speed	Wire Type and Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
8	Operates on open-circuit voltage and arc voltage: 14–48 VDC/ 110 max. OCV	330 A at 60% duty cycle	50–780 ipm (1.3–19.8 m/min.) dependent on arc voltage	Solid wire: .023–.052 in. (0.6–1.4 mm) Flux-cored: .030–5/64 in. (0.8–2.0 mm)	8 in. (203 mm) 14 lb. (6.4 kg)	H: 12.75 in. (324 mm) W: 7.25 in. (184 mm) D: 18 in. (457 mm)	28 lb. (13 kg)
12		425 A at 60% duty cycle		Solid wire: .023–.052 in. (0.6–1.4 mm) Flux-cored: .030–5/64 in. (0.8–2.0 mm)	12 in. (305 mm) 45 lb. (20 kg)	H: 15.5 in. (394 mm) W: 9 in. (229 mm) D: 21 in. (533 mm)	35 lb. (15.9 kg)

ArcReach® Smart Feeder Features

ArcReach Smart Feeder delivers excellent RMD® and pulsed MIG welding up to 200 feet away from the power source with no control cords — twice the distance previously possible. RMD and pulsed MIG processes also help reduce weld failures and eliminate backing gas on some stainless and chrome-moly applications.

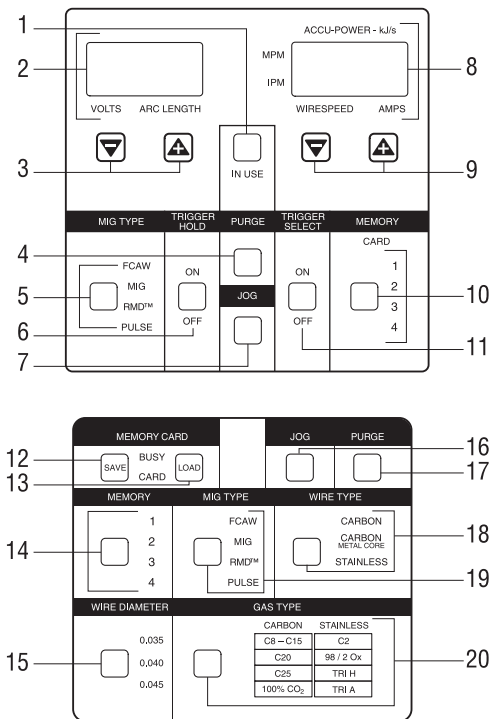
Easy process changeover. Simply connect the ArcReach Smart Feeder to your leads and you are ready to go. All controls automatically shift to the ArcReach Smart Feeder.



Synergic processes. RMD and pulsed MIG welding permits procedures with one wire and one gas to eliminate process switch-over time.

Durable design reduces downtime. Impact-resistant case and the elimination of feeder control cords provide a solid solution to last in harsh environments.

ArcReach® Smart Feeder Control Panel



1. In-Use Button and Indicator
2. Arc Length/Volts Display and Indicators
3. Arc Length/Volts Decrease and Increase Buttons
4. Purge Button
5. MIG Type Select Button and Indicator
6. Trigger Hold On/Off Button
7. Jog Button
8. Amps/Wire Feed Speed Display and Indicators
9. Amps/Wire Feed Speed Decrease and Increase Buttons
10. Memory Select Button and Location Indicator
11. Trigger Select On/Off Button
12. Memory Card Button
13. Memory Card Load Button
14. Memory Select Button and Location Indicator
15. Wire Diameter Select Button and Indicator
16. Jog Button
17. Purge Button
18. Wire Type Select Button and Indicator
19. MIG Type Select Button and Indicator
20. Gas Type Select Button and Indicator

ArcReach® Smart Feeder Specifications (Subject to change without notice.)



(Use with ArcReach-equipped power sources.)

Input Power	Input Welding Circuit Rating	Wire Feed Speed	Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
Operates on open-circuit voltage and arc voltage: 14–48 VDC/110 max. OCV*	275 A at 60% duty cycle	50–500 ipm (1.3–12.7 m/min.) dependent on arc voltage	.035–.045 in. (0.9–1.1 mm)	12 in. (305 mm), 33 lb. (15 kg)	H: 18 in. (457 mm) W: 13 in. (330 mm) D: 21.5 in. (546 mm)	50 lb. (23 kg)

*Welding with the ArcReach Smart Feeder requires the XMT 350 FieldPro to be hooked up to three-phase power.

XMT® 350 FieldPro™ and XMT® 350 FieldPro™ Polarity Reversing Packages

Stick/TIG system

951736 With XMT 350 FieldPro power source and ArcReach® Stick/TIG Remote

Available Soon! With XMT 350 FieldPro Polarity Reversing power source and ArcReach® Stick/TIG Remote Polarity Reversing

- Remotely change process
- Set actual amperage

Additional features of XMT 350 FieldPro Polarity Reversing power source system

- Remotely change polarity
- No need to swap weld cables
- Detects improper connection



MIG/flux-cored system

951734 With XMT 350 FieldPro power source

Available Soon! With XMT 350 FieldPro Polarity Reversing power source

MIG/flux-cored system includes power source, ArcReach® SuitCase 12 feeder with drive rolls and Bernard™ BTB Gun 300 A.

- No feeder control cords
- Eliminates trips back to power source
- Total remote control
- Automatically changes to CV output when feeder is connected



RMD®/pulse system

951738 With XMT 350 FieldPro power source

Available Soon! With XMT 350 FieldPro Polarity Reversing power source

RMD/pulse system includes power source, ArcReach® Smart Feeder with drive rolls and Bernard™ PipeWorx 300-15 MIG gun.

- Offers traditional MIG and flux-cored processes, as well as advanced RMD and pulse programs.
- Weld up to 200 feet away from the power source with no special cables
- Save welding parameters for later use on SD memory card
- Complete remote control at the weld joint



Ordering Information

XMT 350 FieldPro Packages	Stock No.	Description	Qty.	Price
XMT® 350 FieldPro™ Stick/TIG System	951736	208–575 V, Tweco-style connectors, includes XMT 350 FieldPro power source and ArcReach Stick/TIG Remote		
XMT® 350 FieldPro™ Polarity Reversing Stick/TIG System	Available Soon!	208–575 V, Tweco-style connectors, includes XMT 350 FieldPro with polarity reversing power source, and ArcReach Stick/TIG Remote Polarity Reversing		
XMT® 350 FieldPro™ MIG/Flux-Cored System	951734	208–575 V, Tweco-style connectors, includes XMT 350 FieldPro power source, ArcReach SuitCase 12 feeder with drive rolls and Bernard BTB Gun 300 A		
XMT® 350 FieldPro™ Polarity Reversing MIG/Flux-Cored System	Available Soon!	208–575 V, Tweco-style connectors, includes XMT 350 FieldPro Polarity Reversing power source, ArcReach SuitCase 12 feeder with drive rolls and Bernard BTB Gun 300 A		
XMT® 350 FieldPro™ RMD®/Pulse System	951738	208–575 V, Tweco-style connectors, includes XMT 350 FieldPro power source, ArcReach Smart Feeder with drive rolls and Bernard PipeWorx 300-15 MIG gun		
XMT® 350 FieldPro™ Polarity Reversing RMD®/Pulse System	Available Soon!	208–575 V, Tweco-style connectors, includes XMT 350 FieldPro Polarity Reversing power source, ArcReach Smart Feeder with drive rolls and Bernard PipeWorx 300-15 MIG gun		
XMT 350 FieldPro Racks				
XMT 350 FieldPro™ 4-Pack Rack	907739	Fused 460/575 V, 50/60 Hz, Tweco-style connectors		
XMT 350 FieldPro™ 6-Pack Rack	907740	Fused 460/575 V, 50/60 Hz, Tweco-style connectors		
XMT 350 FieldPro™ Polarity Reversing 4-Pack Rack	Available Soon!	Fused 460/575 V, 50/60 Hz, Tweco-style connectors		
XMT 350 FieldPro™ Polarity Reversing 6-Pack Rack	Available Soon!	Fused 460/575 V, 50/60 Hz, Tweco-style connectors		
System Components				
XMT 350 FieldPro™ Power Source	907730 907730002	208–575 V, 50/60 Hz, Tweco-style connectors 208–575 V, 50/60 Hz, Dinse-style connectors		
XMT 350 FieldPro™ Polarity Reversing Power Source	Available Soon!	208–575 V, 50/60 Hz, Tweco-style connectors 208–575 V, 50/60 Hz, Dinse-style connectors		
ArcReach® SuitCase® 12 MIG/FCAW Feeder	951729 951730 951731 951732	Tweco-style connectors, with drive rolls and Bernard BTB Gun 300 A Tweco-style connectors, with drive rolls and Bernard S-Gun Tweco-style connectors, with drive rolls and Bernard Dura-Flux™ gun Tweco-style connectors, with drive rolls and Bernard PipeWorx 300-15 MIG gun		
ArcReach® SuitCase® 8 MIG/FCAW Feeder	951726 951727 951728	Tweco-style connectors, with drive rolls and Bernard BTB Gun 300 A Tweco-style connectors, with drive rolls and Bernard S-Gun Tweco-style connectors, with drive rolls and Bernard Dura-Flux™ gun		
ArcReach® Smart Feeder MIG/FCAW/RMD®/Pulse Feeder	951733 300935 300935001	Tweco-style connectors, with drive rolls and Bernard PipeWorx 300-15 MIG gun Tweco-style connectors Dinse-style connectors		
ArcReach® Stick/TIG Remote	301325	Tweco-style connectors		
ArcReach® Stick/TIG Remote Polarity Reversing	Available Soon!	Tweco-style connectors Dinse-style connectors		
Accessories				
Bernard™ PipeWorx 250-15 MIG Gun	195399	15 ft. (4.6 m), 250 A air-cooled MIG gun designed for use with all ArcReach smart systems		
Bernard™ PipeWorx 300-15 MIG Gun	195400	15 ft. (4.6 m), 300 A air-cooled MIG gun designed for use with all ArcReach smart systems		
ArcReach® Feeder Gas Flow Meter Kit	301306	For ArcReach SuitCase 8/12 feeders and ArcReach Smart Feeder		

Date:

Total Quoted Price:

Distributed by:



BlueFab® C350i/S400i

Issued September 2023 • BlueFab Rev. 01.1/UK

**Multiprocess Welding
Power Source**



Quick Specs



Industrial Applications

Maintenance repair
Manufacturing
General ship building
Mild steel applications
General Construction

Processes

MIG/MAG
Synergic MIG/MAG
DC MMA
DC TIG Lift

Input Power

400V ±15%, 3-phase

Rated Output

C350i: 320 A @ 60%
S400i: 400 A @ 60%

Net Weight

C350i: 56,6 kg
S400i: 58 kg
Wire Feeder: 17,5 kg

NEW!

Make the move - reduce energy consumption and cost of operation.

The robust and reliable BlueFab series of products is the perfect combination of industrial performance and simplicity. With the energy efficiency achieved through the latest inverter technology, the system offers considerable cost savings compared to traditional welding equipment.

Easy to operate

Why compromise? – Welders appreciate simplicity and easy access to the parameters that matters. At the same time, finer adjustments can be needed to achieve the highest quality welds. The BlueFab offer the perfect combination of pre-set values and synergic programs with a clean and crisp user interface.

Mobility and portability

The BlueFab wire feeder, equipped with an industrial grade 4-wheel drive mechanism is both compact and light weight. The connections are covered and protected to ensure reliability and reduced down-time. The metal casing can take a beating and survive the toughest work environment.

Direct access to stored programs

The operator has access to 4 pre-programmed or customized programs from the front panel of the wire feeder. The trigger select functionality improves productivity when different programs can be selected from the torch trigger – no need to go back to the wire feeder.

Prepared with synergic programs

Miller have prepared and equipped the BlueFab with multiple synergic lines for the most common material, wire and gas combinations. The Wire feed speed can be presented as meters per minute or as a predicted amperage value.



BlueFab® C350i

BlueFab® S400i
with cooler and wire feeder

Multi-Process capabilities

Full MMA and LiftTIG capability can be accessed from the front panel of the power source.

Flexibility

The running gear with the integrated gas bottle shelf comes with the power source. The optional water cooler can be easily installed, no service technician required. The wire feeder can easily be removed from the power source and the optional wheel kit can be attached at all times.



Power source is warranted for three years, parts and labor.



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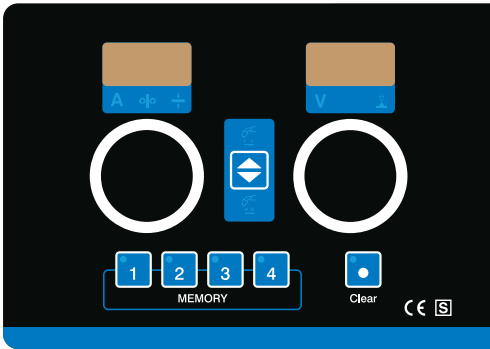
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User Interface

Wire feeder user interface

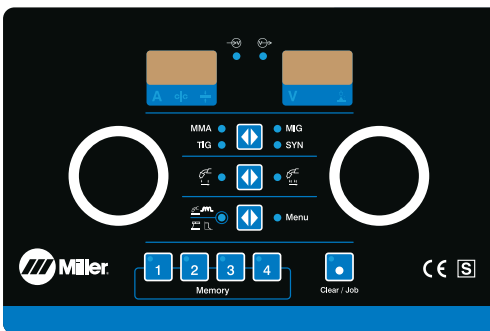


Settings on the feeder

(clean and simple, every day use):

- Left encoder - setting of WFS (Amps or plate thickness)
- Right encoder - setting of voltage (arc length)
- Trigger mode (2T or 4T)
- Recall one of four programs
- Wire inching and gas purge (Inside the wire spool cabinet)

Power Source user interface



Settings on power source

(Not needed for every day use):

- Set the process, including selecting synergic lines
- Pre/Post gas
- Run-in speed
- Slope up/down
- Crater fill
- Burnback time
- Inductance
- Hot start™ (MMA)
- Arc force™ (MMA)



Advantages

No need to go into menus or scroll through lists of programs - It takes 3 seconds to store.

The operator can store programs for different **processes**.

The operator can switch between the programs remotely by tapping the gun trigger (Trigger select).

Easy access

Push and hold to store a program.

The selected program 1, 2, 3 or 4 is indicated by a light in the corner of the program.

MIG guns - Miller® EuroGun line

Stock No.	EuroGun	Water	Air	Euro connector	Water quick connect	Remote WFS and Volts control on gun	3 meter	4.5 meter	Rating CO ₂ gas (A)	Rating Mix gas (A)	Duty cycle (%)
058023005	A-300	-	●	●	-	-	●	-	300	250	100
058023006	A-300	-	●	●	-	-	-	●	300	250	100
058023001	W-500	●	-	●	●	-	●	-	500	400	100
058023002	W-500	●	-	●	●	-	-	●	500	400	100

A – air cooled W – water cooled



Specifications



BlueFab C350i

Process	Input Power	Voltage Range in CV	Amp Range Dc	Rated Output @ 40°C	Max. Open Circuit Voltage	IP Rating	Dimensions	Weight
MIG/MAG	400 VAC, 3 ph (50/60 Hz)	15,5 - 31,5 V	30 - 350 A	320 A / 30 V @ 60% duty cycle	45 VDC	IP23	H: 857 mm W: 487 mm D: 990 mm	56,6 kg
DC TIG Lift		10,4 - 24 V	10 - 350 A	320 A / 22,8 V @ 60% duty cycle	12 VDC			
DC MMA		20,8 - 32 V	20 - 300 A	280 A / 31,2 V @ 60% duty cycle	60 VDC			

BlueFab S400i

Process	Input Power	Voltage Range in CV	Amp Range Dc	Rated Output @ 40°C	Max. Open Circuit Voltage	IP Rating	Dimensions	Weight
MIG/MAG	400 VAC, 3 ph (50/60 Hz)	15,5 - 34 V	30 - 400 A	400 A / 34 V @ 60% duty cycle	45 VDC	IP23	H: 1300 (with Feeder) W: 487 mm D: 990 mm	58 kg
DC TIG Lift		10,4 - 24 V	10 - 350 A	350 A / 24 V @ 60% duty cycle	12 VDC			
DC MMA		20,8 - 34 V	20 - 350 A	350 A / 34 V @ 60% duty cycle	60 VDC			

IP23 rating — This equipment is designed for outdoor use. It may be stored, but is not intended to be used outside during precipitation unless sheltered. Operating temperature range is 14 to 104°F (-10 to 40°C). Storage temperature range is -22 to 149°F (-30 to 65°C). Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."

All CE models conform to the applicable parts of the IEC 60974 series of standards.

Technical Data Cooler

Cooler	System	Tank size	Flow rate	Cooling capacity	Housing	Power	Low pressure alarm	Pump prime valve	Weight
BlueFab C350i	Complete water cooler housed inside the power source casing	4,3l (Filling from the rear of the cooler/power source)	100 l/h (1,67 l/min) @3,5bar	0.9 kW	Integrated with the power source	Supplied through the power source	Yes	Yes (Manual)	9 kg
BlueFab S400i		4,3 l (Filling from the front side)		1.1 kW					12,6 kg

Drive Rolls (ø 37 mm)

Drive Rolls for Steel

Groove	Type	Stock No.	Quantity
0,6 - 0,8 mm	Pressure roll	7700000011	x2
	Feed roll	7700000016	x2
0,8 - 1,0 mm	Pressure roll	7700000012	x2
	Feed roll	7700000017	x2
0,9 - 1,1 mm	Pressure roll	7700000013	x2
	Feed roll	7700000018	x2
1,0 - 1,2 mm	Pressure roll	7700000014	x2
	Feed roll	7700000019	x2
1,2 - 1,6 mm	Pressure roll	7700000015	x2
	Feed roll	7700000020	x2

Drive Rolls for Aluminium

Groove	Type	Stock No.	Quantity
0,8 - 1,0 mm	Drive Rolls	7700000021	x4
1,0 - 1,2 mm	Drive Rolls	7700000022	x4
1,2 - 1,6 mm	Drive Rolls	7700000023	x4

Drive Rolls for Flux Core

Groove	Type	Stock No.	Quantity
1,2 - 1,6 mm	Drive Rolls	7700000024	x4

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
BlueFab S400i Air Cooled	3400000001	The S400i air cooled package is delivered with included running gear.		
BlueFab C350i Air Cooled	3300000001	The C350i air cooled package is delivered with included running gear.		
BlueFab Cooler Seperate	7500000003	A cooler can be added to an air cooled version afterwards		
BlueFab Cooler Compact	7500000004	A cooler can be added to an air cooled version afterwards		
BlueFab Wire Feeder	3800000002			
BlueFab S400i Water Cooled	3400000002	The S400i water cooled package comes with an already installed water cooler and running gear.		
BlueFab C350i Water Cooled	3300000002	The C350i water cooled package comes with an already installed water cooler and running gear.		
MIG Guns		See page 3		
Interconnection Cables				
IC, BlueFab, Air, 2 m	7400000002			
IC, BlueFab, Air, 5 m	7400000003			
IC, BlueFab, Air, 10 m	7400000004			
IC, BlueFab, Air, 15 m	7400000005			
IC, BlueFab, Air, 20 m	7400000006			
IC, BlueFab, Air, 25 m	7400000007			
IC, BlueFab, Air, 30 m	7400000008			
IC, BlueFab, Water, 2 m	7400000009			
IC, BlueFab, Water, 5 m	7400000010			
IC, BlueFab, Water, 10 m	7400000011			
IC, BlueFab, Water, 15 m	7400000012			
IC, BlueFab, Water, 20 m	7400000013			
IC, BlueFab, Water, 25 m	7400000014			
IC, BlueFab, Water, 30 m	7400000015			
Accessories				
Return Cable Kit, 400 A, 70 mm², 5 m	057014340			
Coolant 3.8 l	043810	2 canisters required to fill the tank		
Running Gear, BlueFab Wire Feeder	8300000192			

Date:

Total Quoted Price:

Miller recommends *Elega* consumables

Distributed by:



Dynasty® 300 Series

Issued December 2022 • Dynasty 300 Rev. 1.5/UK

**Multiprocess Welding
Power Source** 

Quick Specs



Industrial Applications

Aerospace
Heavy fabrication
Precision fabrication
Aluminum ship repair
Pipe and tube fabrication
Anodized aluminum fabrication

Processes

AC/DC TIG (GTAW)
Pulsed TIG (GTAW-P)
Stick (SMAW)
Air carbon arc (CAC-A)
MIG/MAG (GMAW)

Input Power

208–600 V, 3-phase
or 1-phase power

Welding Output

1–300 A (DC) • 2–300 A (AC)

Output Range

300 A at 35% duty cycle

Net Weight

25 kg

Reimagined for Your Pursuit of Perfection.

Experience unfailing precision arc performance paired with a state-of-the-art, user-friendly interface that puts advanced capabilities at your fingertips. Dynasty TIG power sources help minimize error and achieve high-precision welds every time, making the best welders even better.

NEW!



Easy-to-understand interface with 4.5-inch LCD display.

- Ensures proper machine setup and parameter selection
- Informative on-screen explanations and dynamic images enhance the parameter selection process



**Dynasty 300
Machine only**



**Dynasty 300
water cooled Tigrunner package**

Program memory allows easy naming, saving and recalling of favorite weld settings.

- Deliver more productivity by eliminating the need to manually set the parameters
- Deliver consistent quality by welders of all skills

Pro-Set™ eliminates the guesswork when setting weld parameters.

Locks and limits. Provides control of weld parameter ranges minimizing deviation from the welding procedure specification (WPS).

MIG/MAG (GMAW) Mode - allow the operator to attach and run a SuitCase® feeder off the power source for high productivity welding.



Allows for any input voltage hookup (208–600 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

Blue Lightning™ provides more consistent high-frequency (HF) arc starts and greater reliability compared to traditional arc starts.

USB front panel port provides the ability to easily update software, back-up settings and transfer saved weld programs from one unit to the next.

Visit MillerWelds.com/TIGSoftware for the latest software updates and expansions.

Cooler Power Supply (CPS) is an integrated 120-volt dedicated-use receptacle for the Coolmate™ 1.3.

Cooler-On-Demand™ feature operates the auxiliary cooling system only when needed, reducing noise, energy use, and airborne contaminants pulled through the cooler.



Power source is warranted for three years, parts and labor.



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Weld Process Features

AC TIG

Balance control provides adjustable oxide removal which is essential for creating the highest quality aluminum welds.

Frequency controls the width of the arc cone and can improve directional control of the arc.

AC Waveforms



Advanced square provides a fast freezing puddle, deep penetration and fast travel speeds.



Soft square for a soft buttery arc with maximum puddle control and good wetting action.



Sine for customers that like a traditional arc. Quiet with good wetting.



Triangular reduces the heat input and is good on thin aluminum. Fast travel speeds.

Independent amplitude/ampereage control allows EP and EN amperages to be set independently to precisely control heat input to the work and electrode.

DC TIG

Exceptionally smooth and precise arc for welding exotic materials.

Pulse Waveforms



Square provides a fast freezing puddle for ultimate arc control.



Sine produces a reduced audible sound and provides a more fluid puddle that is good for overlaying applications.



Triangular provides a quick-forming puddle while further reducing heat for thin materials.

AC/DC Stick

DIG control allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.

Hot Start™ adaptive control provides positive arc starts without sticking.

AC frequency control adds stability for smoother welds when AC stick welding.

Stick-Stuck™ detects if the electrode is stuck to the part and turns the welding output off to safely and easily remove the electrode. Menu selectable.

Specifications (Subject to change without notice.)



Welding Mode	Input Power	Welding Amperage Range	Rated Output at 60% Duty Cycle	Amps Input at Rated Load Output, 50/60 Hz							Max. Open-Circuit Voltage	Dimensions	Net Weight
TIG (GTAW)	3-phase	2-300 A (AC) 1-300 A (DC)	250 A at 20 V	19	17	10	8	7	7.5	6.6	60 VDC**	H: 352 mm W: 216 mm D: 555 mm	25 kg
	1-phase	2-300 A (AC) 1-300 A (DC)	250 A at 20 V	33	30	17	15	11	6.7	6.7			
Stick (SMAW)	3-phase	5-300 A	250 A at 30 V	*	*	14	12	9	9.8	9.1			
	1-phase	5-300 A	200 A at 27.2 V	35	32	*	*	*	9.3	9.2			

*Refer to owner's manual for complete ratings. **Sense voltage for low OCV stick and Lift-Arc™ TIG.

IP23 rating – This equipment is designed for outdoor use. It may be stored, but is not intended to be used outside during precipitation unless sheltered. Operating temperature range is 14 to 104°F (-10 to 40°C). Storage temperature range is -22 to 149°F (-30 to 65°C). Portions of the preceding text are contained in EN 60974-1: "Welding power sources for arc welding equipment."

CE All CE models conform to the applicable parts of the IEC 60974 series of standards.

Performance Data

Input Power	TIG (GTAW) Duty Cycle	Stick (SMAW) Duty Cycle	AC TIG Material Thickness Range	DC TIG Material Thickness Range	Stick Electrode Maximum Diameter	Carbon Arc Gouging (CAC-A) Maximum	Generator Requirement
380-600 V	300 A, 35% 250 A, 60% 200 A, 100%	300 A, 25% 250 A, 60% 200 A, 100%	0.3-9.5 mm	0.1-9.5 mm	6010: 5 mm 7018: 5 mm 7024: 5 mm	4.8 mm	12.5 kW
208-240V	300 A, 35% 250 A, 60% 200 A, 100%	300 A, 15% 200 A, 60% 150 A, 100%					

Coolmate™ 1.3 Cooler



- Dynasty® 300 models turn Coolmate 1.3 on and off
- Power indicator light
- Fluid level sight window
- Rustproof polyethylene-molded coolant tank and filler spout
- 1/4 hp motor is thermally protected to guard against overheating
- Efficient fin and tube heat exchanger
- Factory-set pressure relief valve (55 psi) maintains consistent pressure during operation
- Filter and coolant filling spout are conveniently located
- Brass-body, positive displacement rotary vane pump provides consistent coolant flow and pressure
- rating with long pump-life expectancy

Input Power	Maximum Current Draw	Maximum Cooling Capacity	Rated Cooling Capacity	Tank Capacity	Dimensions	Net Weight
115 V, 50/60 Hz	5,9 A (60 Hz) 4.7 A (50 Hz)	3.400 W (11,600 Btu/hr.) 3.8 qt./min. (3,6 L/min)	1.330 W (4,540 Btu/hr.) 1.06 qt./min. (1 L/min.)	4.9 L	H: 289 mm W: 264 mm D: 616 mm	21 kg

Genuine Miller® Accessories



4-wheel Small Running Gear 058035010

Designed for Maxstar 210/280, Dynasty 210/300, STH 270 and STi 270, with or without cooler. Cart features single cylinder rack, cable holder and foot pedal holder.



2-wheel Trolley 058035012

Designed for Maxstar 210/280, Dynasty 210/300, STH 270 and STi 270, with or without cooler. Easy-to-maneuver two-wheel cart with single cylinder rack, cable holder and storage area.

Remote Controls and Switches



Wireless Remote Foot Control 301580

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 27.4 m operating range.



RFCS-14 HD Foot Control 301589

Maximum flexibility is accomplished with a reconfigurable cord that can exit the front, back or either side of the pedal. Foot pedal provides remote current and contactor control. Includes 6 m cord and 14-pin plug.



SHRC-14 Remote Control

058040019 5 m

058040020 10 m

058040021 20 m

Single-hand control for current only.

Cooler and Coolant



Coolmate™ 1.3 301617

Designed to integrate with Maxstar 280 and Dynasty 210/300. 4.9 L capacity.



RHC-14 Hand Control 242211020

Miniature hand control for remote current and contactor control. Dimensions: 102 x 102 x 83 mm. Includes 6 m cord and 14-in plug.



Low-Conductivity Coolant 043810

Sold in 3.8 liter recyclable plastic bottles. Miller coolants contain a base of ethylene glycol and deionized water to protect against freezing to -38°C or boiling to 108°C. Also contains a compound that resists algae growth.

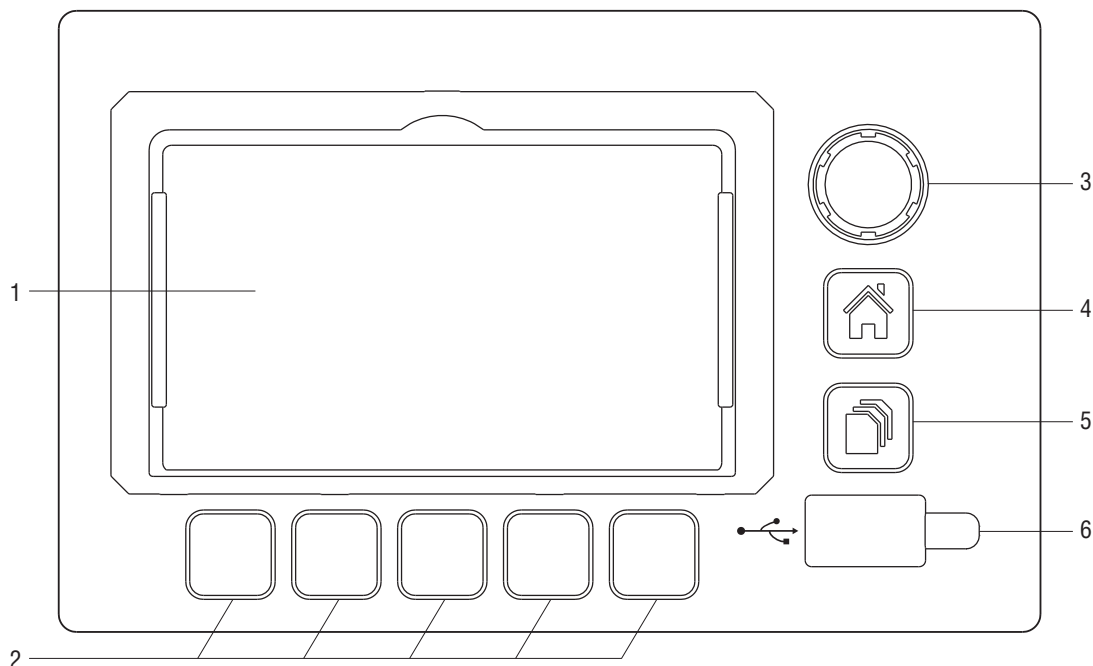


Wireless Remote Hand Control 301582

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 91.4 m operating range.

Dynasty® 300 Control Panel

1. Color LCD
2. Soft Keys
(Multiple functions depending on screen displayed.)
3. Control Knob
(Adjusts amperage or parameter values depending on mode.)
4. Home Button
5. Program Button
6. USB Port*



Amperage

TIG AC	2- 300 A**
TIG DC	1- 300 A**
Stick	5- 300 A

Process

AC TIG HF, DC TIG HF,
AC TIG Lift-Arc™, DC TIG Lift-Arc™,
AC Stick, DC Stick, Carbon Arc Gouge

Tungsten

0.5, 1.0, 1.6, 2.4, 3.2 mm, General

Trigger

Remote Standard: Foot, Finger, Pushbutton
Sequencer: Pushbutton Hold (2T), 3T 4T, 4TE,
4TL, 4TM

Pulse

Pulses per Second*	DC: 0.1- 500 pps AC: 0.1- 500 pps
Peak Time*	5- 95%
Background Amps*	5- 95%
DC Pulse Waveshape:	Square, Sine, Triangular

AC Waveshape

Balance*	Ball: 30- 99% EN
Frequency*	20- 400 Hz
Waveshape	Advanced Square, Soft Square, Sine, Triangular
Independent	EN Amperage: 2- 300 A** EP Amperage: 2- 300 A** EN Waveshape: Advanced Square, Soft Square, Sine, Triangular EP Waveshape: Advanced Square, Soft Square, Sine, Triangular
Commutation	Low, High

Sequencer Control

Initial Amps	AC: 2- 300 A** DC: 1- 300 A**
Initial Time	0.0- 25.0 seconds
Initial Slope	0.0- 50.0 seconds
Weld Time	0.0- 999 seconds
Final Slope	0.0- 50.0 seconds
Final Amps	AC: 2- 300 A** DC: 1- 300 A**
Final Time	0.0- 25.0 seconds

Preflow

0.0- 25.0 seconds

Postflow

Auto/Off - 50 seconds

DIG*

Off -100%

Hot Start™

On, Off

Stick-Stuck™

On, Off

OCV

Normal, Low

Programs

1- 99 (user defined program names)

Locks and Limits

Individual Parameters

Languages

English, Spanish, French, German, Italian,
Dutch, Swedish, Polish

Pro-Set parameter selectable. **Amperage range is tungsten size dependent.

Wire Feeders and MIG Guns






Dynasty® 300 Multiprocess
with Coolmate™ 1.3 and ArcReach® SuitCase® 12

ArcReach® SuitCase® 8 and ArcReach® SuitCase® 12

The extremely durable Miller suitcase feeders are available in two different sizes. The smaller model is designed for maximum portability, capable of carrying a 200 mm spool of wire. The larger model can hold a 300 mm spool.

Consumables

	Drive Rolls <i>Select drive rolls from chart according to type and wire size being used.</i>		
	"V" groove for hard wire 	"U" groove for soft wire or soft-shelled cored wires 	"V" knurled for hardshelled cored wires 
Individual Rolls			
0.6 mm	087130	-	-
0.8 mm	053695	-	-
0.9 mm	053700	072000	132958
1.0 mm	053696	-	-
1.1/1.2 mm	053697	053701	132957
1.3/1.4 mm	053698	053702	132956
1.6 mm	053699	053706	132955
2.0 mm	-	053704	132960

Mig guns – Miller® EuroGun line

Stock No.	EuroGun	Air	Euro connector	3 meter	4.5 meter	Rating CO ₂ gas (A)	Rating Mix gas (A)	Duty cycle (%)
058023005	A-300	●	●	●	-	300	250	100
058023006	A-300	●	●	-	●	300	250	100

A – air cooled



TIG Torch Kits and Connectors

The Miller® TIG torches have been designed to perfectly match and to ensure that the welder can fully benefit from the superior arc quality of the Miller® TIG equipment. The material has been carefully selected to prevent ageing and leakage in the hoses and cables. Miller® uses more copper in the power cable to minimize the heat losses and maximize the output. The TIG torches can be configured with a standard torch head or a flexible alternative. The ergonomic handle can also be fitted with a remote control for adjustment of the weld current at the point of welding.

Miller® recommends Miller®|Weldcraft® 2% lanthanated tungsten electrode. The blue electrode ensures a stable arc in both AC and DC processes, with greater longevity than conventional tungsten electrodes, the ability to use a smaller-diameter electrode for the same job, use of a higher current for a similar-sized electrode, and less tungsten spitting.



Torch	Stock No.	Technical description	DC current	AC current
EuroTorch A-125, 4 meter	058022031	50 mm² Dinse, 5/8" gas, 14 pin control	125A @ 60%	100A @ 60%
EuroTorch A-150, 4 meter	058022021	50 mm² Dinse, 5/8" gas, 14 pin control	150A @ 60%	125A @ 60%
EuroTorch A-200, 4 meter	058022013	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200F, 4 meter	058022014	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200, 8 meter	058022015	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200F, 8 meter	058022016	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200R, 4 meter	058022017	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200FR, 4 meter	058022018	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200R, 8 meter	058022019	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch A-200FR, 8 meter	058022020	50 mm² Dinse, 5/8" gas, 14 pin control	200A @ 60%	150A @ 60%
EuroTorch W-250F, 4 meter	058022006	50 mm² Dinse, 5/8" gas, 14 pin control	250A @ 100%	175A @ 100%
EuroTorch W-250FR, 4 meter	058022010	50 mm² Dinse, 5/8" gas, 14 pin control	250A @ 100%	175A @ 100%
EuroTorch W-250F, 8 meter	058022008	50 mm² Dinse, 5/8" gas, 14 pin control	250A @ 100%	175A @ 100%
EuroTorch W-250FR, 8 meter	058022012	50 mm² Dinse, 5/8" gas, 14 pin control	250A @ 100%	175A @ 100%
EuroTorch W-270, 4 meter	058022005	50 mm² Dinse, 5/8" gas, 14 pin control	270A @ 100%	190A @ 100%
EuroTorch W-270R, 4 meter	058022009	50 mm² Dinse, 5/8" gas, 14 pin control	270A @ 100%	190A @ 100%
EuroTorch W-270, 8 meter	058022007	50 mm² Dinse, 5/8" gas, 14 pin control	270A @ 100%	190A @ 100%
EuroTorch W-270R, 8 meter	058022011	50 mm² Dinse, 5/8" gas, 14 pin control	270A @ 100%	190A @ 100%
EuroTorch W-350, 4 meter	058022001	50 mm² Dinse, 5/8" gas, 14 pin control	350A @ 100%	250A @ 100%
EuroTorch W-350R, 4 meter	058022002	50 mm² Dinse, 5/8" gas, 14 pin control	350A @ 100%	250A @ 100%
EuroTorch W-350, 8 meter	058022003	50 mm² Dinse, 5/8" gas, 14 pin control	350A @ 100%	250A @ 100%
EuroTorch W-350R, 8 meter	058022004	50 mm² Dinse, 5/8" gas, 14 pin control	350A @ 100%	250A @ 100%

R – Remote control | F – Flex neck | W – Water cooled | A – Air cooled

Tungsten

Tungsten	Amp Range	2% Ceriated (AC/DC)	2% Lanthanated (AC/DC)
1.6 mm	70-150 A	WC116X7	WL2116X7
2.4 mm	140-250 A	WC332X7	WL2332X7
3.2 mm	225-400 A	WC018X7	WL2018X7
4.0 mm	300-500 A	WC532X7	WL2532X7

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Dynasty® 300 Multiprocess	907819002			
Dynasty® 300 Multiprocess TiGrunner	907819003	Includes, all assembled, the power source, cooler and running gear		
Coolmate™ 1.3	301617	Requires coolant, stock number 043810		
ArcReach® SuitCase® feeder 200 mm	301457	Dinse-style connectors, including drive rolls (weight 13 kg)		
ArcReach® SuitCase® feeder 300 mm	301456	Dinse-style connectors, including drive rolls (weight 16 kg)		
Interconnection Cables				
Interconnection cable 5 m	058019294	Air cooled, power cable, gas hose and rubber sleeve cover		
Interconnection cable 10 m	058019295			
Accessories				
4-wheel Small Running Gear	058035010	Four-wheeled cart with cylinder rack		
Side bracket support for suitcase feeder	156031089			
Industrial Coolant	043810	3.8-liter plastic bottle		
Stick Welding Cable Kit	057014354	Electrode holder kit 300 A, 50 mm², 5 m		
Work Cable with Clamp	057014335	Return cable kit 300 A, 50 mm², 5 m		
Miller® EuroTorch		See page 6		
Miller® EuroGun		See page 5		
Remote Controls		See page 3		
Wireless Remote Foot Pedal	301580	Wireless foot pedal (range: 27 m)		
Wireless Remote Hand Control	301582	Wireless hand control (range: 90 m)		
RFCS-14 Heavy Duty Remote Foot Pedal	301589	Wired foot pedal (range: 6 m)		
RHC-14	242211020	Wired hand control (range: 6 m)		
SRHC-14	058040019	Single-hand remote control for current only, 5 m		
	058040020	Single-hand remote control for current only, 10 m		
	058040021	Single-hand remote control for current only, 20 m		
RMS-14	187208	Momentary-contact switch for contactor control, 8 m		
RCC-14	151086	Remote current/contactor side-to-side rotary control, 8 m		
RCCS-14	043688	Remote current/contactor up-and-down rotary control, 8 m		

Date:

Total Quoted Price:

Miller recommends *Elega* consumables

Distributed by:



MigMatic® 260i/320i

Synergic Compact MIG Systems

Issued July 2020 • Index No. DCM/50.1 UK

MIG/MAG (CV)
Welding System



Quick Specs



Industrial Applications

General fabrication
Car repair
Training schools
Agricultural equipment
Repair and maintenance

Processes

MIG/MAG (GMAW)
Flux-cored (FCAW)

Input Power Welding Output

400 V, 3 phases (50/60 Hz)
260i: 260 A, 27 V at 35% duty cycle
320i: 320 A, 30 V at 35% duty cycle

Max. Output Amperage

260i: 285 A

320i: 350 A

Output Range

260i: 15 A – 260 A

320i: 15 A – 320 A

Net Weight

57 kg

Performance / Durability / Ease of use

NEW!

Miller MigMatic® 260i and 320i synergic MIG/MAG system featuring a heavy duty drive mechanism capable of consistent and precise wire feeding regardless of your choice of wire. The machines are quick to set up and the graphical user interface makes it easy to achieve those perfect weld parameters with very limited training required. The MigMatic® 260i/320i are the perfect work shop tool and ideal for both solid and flux core wires.

Trigger program switch

Re-call up to 4 preset programs from the torch trigger (any standard MIG torch) for increased productivity on complex objects.

Miller robustness

Tested and approved for heavy duty welding under the toughest conditions. Miller goes to extreme measures to ensure trouble free welding in any environment.

The toughest wire drive mechanism

The 4-roll drive system will ensure trouble free wire feeding.

Energy efficient

The energy saving Fan-On-Demand™ power source cooling system operates only when needed, reducing noise and the amount of contaminants pulled through the machine.

Full synergic MIG/MAG with presets

Synergic lines for all common wire/gas combinations with presets of start/stop parameters for optimal welds.



Ease of use and versatility

Large intuitive LCD panel for quick and precise setting of advanced weld parameters.



Easy to use

Versatility

- Compatible with Push / Pull torches (optional accessory kit)
- Integrated wheels and shelf for a single gas cylinder
- Compatible with On-torch control of wire feed speed and voltage (available in Q4-2020).

TRUE BLUE
3YR. WARRANTY

Warranted for three years, parts and labour.

ITW WELDING



International Headquarters Miller Electric Mfg. LLC

An Illinois Tool Works Company
1635 W. Spencer Street
Appleton, WI 54914 USA

MillerWelds.com

ITW Welding Products BV

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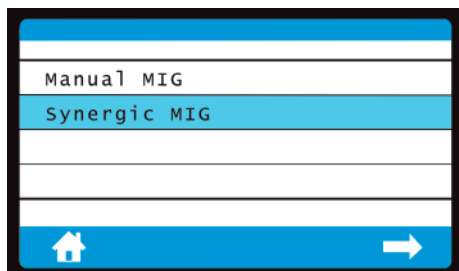
UK sales office

Tel.: +44 1695 58 59 11

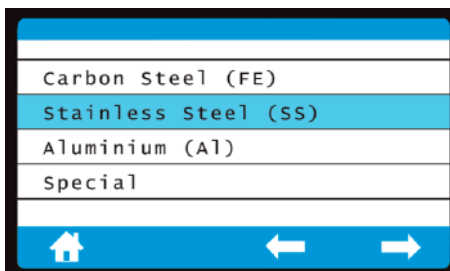
Advanced weld settings made easy

The machine is ready for advanced manual and synergic MIG/MAG welding in seconds.

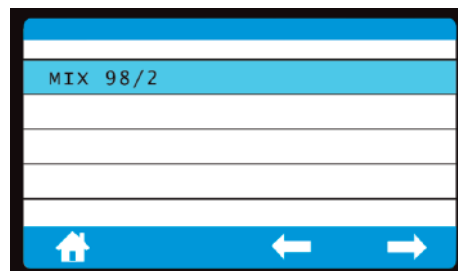
Step 1: Select your process



Step 2: Select your base material



Step 3: Select your gas mixture



Step 4: Select your wire diameter



Result: Ready to weld



MigMatic® user interface – clean, crisp and easy to use

The MigMatic® system provides a full set of features and settings at your fingertips – ease of use without compromise.

Four different trigger options:

- 2T
- 4T
- Miller 4TS
- Stitch



1. Weld processes:

- A. Manual MIG/MAG
- B. Synergic

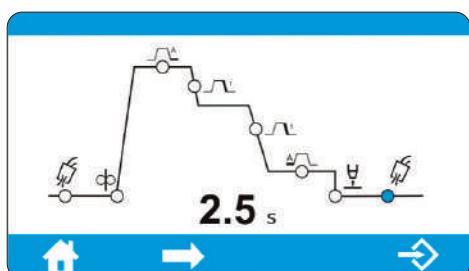
2. Adjustment of parameters:

- A. Pre/post gas
- B. Run-in speed
- C. Crater fill
- D. Burnback
- E. Inductance

3. Store, modify and recall programs:

- A. A total of 8 programs available
- B. The first 4 recalled using the torch trigger

4. System settings and factory reset



Miller 4TS trigger functionality –
Gives access to hot start or cold start from the torch trigger

MigMatic® 260i/320i components



MigMatic® 260i/320i is equipped with a 4-roll wire drive system (2 driven and 2 idle). The rolls are reversible offering flexibility between two different wire sizes. For soft wires, an all-drive system can be supplied as optional extra.

MigMatic® 260i/320i features a remote control receptacle for adjustment of wire feed speed and volts at the point of weld.

MigMatic® 260i/320i has integrated wheels and conveniently positioned handles, making the machine easy to move and transport. There is also an integrated shelf for the gas cylinder.

Specifications (Subject to change without notice.)



MigMatic® 260i

Input Power	Voltage Range in CV	Amp Range DC	Wire Feed Speed	Rated Output @ 40°C	IP Rating	Max. Open Circuit Voltage	Dimensions H/W/D	Weight
400 VAC, 3 ph (50/60 Hz)	13 - 35 V	15 - 260 A	1.5 - 20 m/min	260 A / 27 V @ 35% duty cycle	IP23S	70 VDC	830 / 470 / 1070 mm	57 kg

MigMatic® 320i

Input Power	Voltage Range in CV	Amp Range DC	Wire Feed Speed	Rated Output @ 40°C	IP Rating	Max. Open Circuit Voltage	Dimensions H/W/D	Weight
400 VAC, 3 ph (50/60 Hz)	13 - 35 V	15 - 320 A	1.5 - 20 m/min	320 A / 30 V @ 35% duty cycle	IP23S	70 VDC	830 / 470 / 1070 mm	57 kg

Drive Rolls and Wire Guides* (two driven)

Wire Size	"V" Groove Drive Roll for Hard Wire	"U" Groove Drive Roll for Soft Wire or Soft-Shelled Cored Wires	"V" Knurled Drive Roll for Hard-Shelled Cored Wires
0.8 / 1.0 mm	156053126	156053127	—
1.0 / 1.2 mm	156053125	156053128	—
1.6 / 2.4 mm	—	156053129	—

* Kits including a set of double groove drive rolls and wire guides.

Drive Rolls and Wire Guides* (four driven)

Wire Size	"V" Groove Drive Roll for Hard Wire	"U" Groove Drive Roll for Soft Wire or Soft-Shelled Cored Wires	"V" Knurled Drive Roll for Hard-Shelled Cored Wires
1.0 mm	—	058066145	—
1.2 mm	—	058066146	—

* Kits including a set of single groove drive rolls and wire guides.

Ordering Information

System Component	Stock No.	Description	Qty.	Price
MigMatic® 260i	059015051	400 VAC, 3 ph (50/60 Hz) equipped with mains cable 3 m Fitted with Euro connector and 1.0 - 1.2 mm "V" groove drive rolls		
MigMatic® 320i	059015053	400 VAC, 3 ph (50/60 Hz) equipped with mains cable 3 m Fitted with Euro connector and 1.0 - 1.2 mm "V" groove drive rolls		
Accessories				
Push / Pull configuration kit	057084226	For installation in the power source to synchronize the drive motors		
Bernard™ Q300, air cooled Mig Gun, 4.5 m	Q3015TE3EEQ			

Date:

Total Quoted Price:

Miller recommends *Elega* consumables

Distributed by:

MigMatic® 300iP

Synergic Pulsed Compact MIG System

Issued July 2020 • Index No. DCM/60.1 UK

MIG/MAG (CV)
Welding System



Quick Specs



Industrial Applications

General fabrication
Car repair
Training schools
Agricultural equipment
Repair and maintenance

Processes

MIG/MAG (GMAW)
Pulsed MIG (GMAW-P)
Double Pulsed MIG
Flux-cored (FCAW)

Input Power

400 V, 3 phases (50/60 Hz)

Welding Output

300 A, 29 V at 40% duty cycle

Max. Output Amperage

330 A

Output Range

15 A – 300 A

Net Weight

57 kg

Performance / Durability / Ease of use

NEW!

Miller MigMatic® 300iP Synergic Pulsed MIG/MAG System featuring a heavy duty drive mechanism capable of consistent and precise wire feeding regardless of your choice of wire. The Pulse MIG/MAG welding capability makes the system ideal for aluminium applications and for thin plate mild and stainless steel welding. The user interface is extremely easy to use and never before has it been so quick and straight forward to achieve excellent welding performance.

Trigger program switch

Re-call up to 4 preset programs from the torch trigger (any standard MIG torch) for increased productivity on complex objects.

Miller robustness

Tested and approved for heavy duty welding under the toughest conditions. Miller goes to extreme measures to ensure trouble free welding in any environment.

Heavy duty wire drive mechanism

The 4-roll drive system will ensure trouble free wire feeding.

Energy efficient

The energy saving Fan-On-Demand™ power source cooling system operates only when needed, reducing noise and the amount of contaminants pulled through the machine.

Full synergic Pulse with presets

Synergic lines for all common wire/gas combinations with presets of start/stop parameters for optimal welds.



Ease of use and versatility

Large intuitive LCD panel for quick and precise setting of advanced weld parameters.



Easy to use

Versatility

- Compatible with Push / Pull torches (optional accessory kit)
- Integrated wheels and shelf for a single gas cylinder
- Compatible with On-torch control of wire feed speed and voltage (available in Q4-2020).

TRUE BLUE®
3YR. WARRANTY

Warranted for three years, parts and labour.

ITW WELDING



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ITWwelding.com

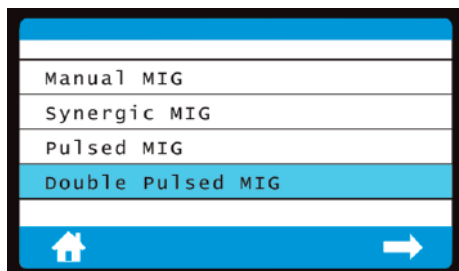
UK sales office

Tel.: +44 1695 58 59 11

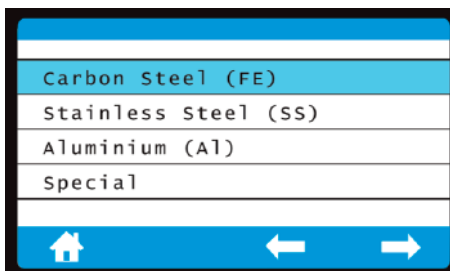
Advanced weld settings made easy

The machine is ready for advanced manual, Pulsed or Double Pulsed welding in seconds.

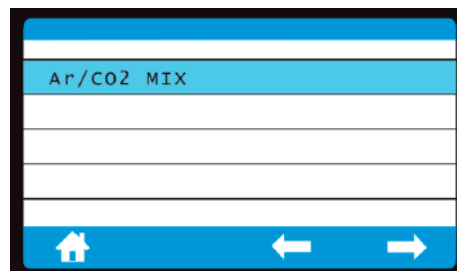
Step 1: Select your process



Step 2: Select your base material



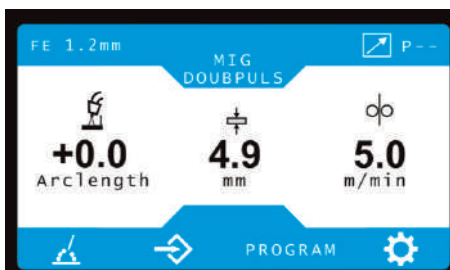
Step 3: Select your gas mixture



Step 4: Select your wire diameter



Result: Ready to weld



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The MigMatic® system provides a full set of features and settings at your fingertips – ease of use without compromise.

Four different trigger options:

- 2T
- 4T
- Miller 4TS
- Stitch



1. Weld processes:

- A. Manual MIG/MAG
- B. Synergic
- C. Synergic Pulse
- D. Synergic Double Pulse

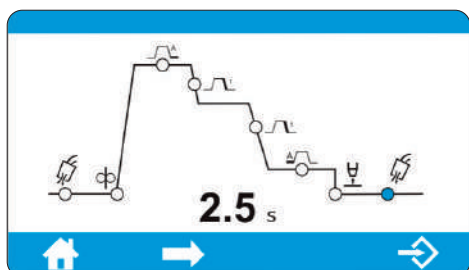
2. Adjustment of parameters:

- A. Pre/post gas
- B. Run-in speed
- C. Crater fill
- D. Burnback
- E. Inductance

3. Store, modify and recall programs:

- A. A total of 8 programs available
- B. The first 4 recalled using the torch trigger

4. System settings and factory reset



Miller 4TS trigger functionality –
Gives access to hot start or cold start from the torch trigger

MigMatic® 300iP components



MigMatic® 300iP is equipped with a 4-roll wire drive system (2 driven and 2 idle). The rolls are reversible offering flexibility between two different wire sizes. For soft wires, an all-drive system can be supplied as optional extra.

MigMatic® 300iP features a remote control receptacle for adjustment of wire feed speed and volts at the point of weld.

MigMatic® 300iP has integrated wheels and conveniently positioned handles, making the machine easy to move and transport. There is also an integrated shelf for the gas cylinder.

Specifications (Subject to change without notice.)



Input Power	Voltage Range in CV	Amp Range DC	Wire Feed Speed	Rated Output @ 40°C	IP Rating	Max. Open Circuit Voltage	Dimensions H/W/D	Weight
400 VAC, 3 ph (50/60 Hz)	13 - 35 V	15 - 300 A	1.5 - 20 m/min	300 A / 29 V @ 40% duty cycle	IP23S	70 VDC	830 / 470 / 1070 mm	57 kg

Drive Rolls and Wire Guides* (two driven)

Wire Size	"V" Groove Drive Roll for Hard Wire	"U" Groove Drive Roll for Soft Wire or Soft-Shelled Cored Wires	"V" Knurled Drive Roll for Hard-Shelled Cored Wires
0.8 / 1.0 mm	156053126	156053127	—
1.0 / 1.2 mm	156053125	156053128	—
1.6 / 2.4 mm	—	156053129	—

* Kits including a set of double groove drive rolls and wire guides.

Drive Rolls and Wire Guides* (four driven)

Wire Size	"V" Groove Drive Roll for Hard Wire	"U" Groove Drive Roll for Soft Wire or Soft-Shelled Cored Wires	"V" Knurled Drive Roll for Hard-Shelled Cored Wires
1.0 mm	—	058066145	—
1.2 mm	—	058066146	—

* Kits including a set of single groove drive rolls and wire guides.

Ordering Information

System Component	Stock No.	Description	Qty.	Price
MigMatic® 300iP	059015052	400 VAC, 3 ph (50/60 Hz) equipped with mains cable 3 m Fitted with Euro connector and 1.0 - 1.2 mm "V" groove drive rolls		
Accessories				
Push / Pull configuration kit	057084226	For installation in the power source to synchronize the drive motors		
Bernard™ Q300, air cooled Mig Gun, 4.5 m	Q3015TE3EEQ			

Date:

Total Quoted Price:

Miller recommends *Elega* consumables

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