



MULTIPROCESS WELDING SYSTEM



XMT 650 with ArcReach Technology

P/N: MR907844

Packed with power. Boosts productivity. Saves on costs.



1 Phase	3 Phase	CC CV	⚡ DC
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3 YEAR
WARRANTY

Welder/generator/air compressor/battery charger is warranted for three years, parts and labor. Engine is warranted separately by the engine manufacturer.



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

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 delivering high quality welds.



INDUSTRIAL APPLICATIONS

- Fabrication and Construction
- Structural Steel Fabrication/Erection
- Shipbuilding
- Pressure Tank/Vessel Fabrication
- Refineries and Foundries
- Railcar Manufacturing
- Earth-Moving Equipment Manufacturing
- MRO - Maintenance/Repair

PROCESSES

- MIG (GMAW)
- Stick (SMAW)
- DC TIG (GTAW)
- Flux-Cored (FCAW)
- Submerged Arc (SAW)
- Air Carbon Arc (CAC-A) Cutting & Gouging Rated: 9.5mm carbons
- Induction Heating

PRODUCT SPECIFICATIONS

Process	OUTPUT RATINGS		AMPERES INPUT AT RATED OUTPUT				IP RATING	DIMENSIONS	WEIGHT
	Current A	Volt DC	Duty Cycle %	400V 50Hz 3 Phase	kW	kVA			
TIG	650	34	100	38.7	25.3	27.0	IP23S This equipment is designed for outdoor use.	L: 803 mm W: 424 mm H: 716 mm	72.1 kg
	750	34	60	45.0	29.5	31.3			
	815	34	25	49.1	32.3	34.3			
Stick	650	44	100	48.9	32.0	34.0			
	750	44	60	55	35.8	38.2			
MIG, Gouge	815	44	25	62.0	40.4	43.1			



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ArcReach®

Remote control of the power source without a 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.

NEXT LEVEL PRODUCTIVITY

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.
- **Process selection at point of use** to easily switch between welding and gouging with an ArcReach wire feeder or remote.
- **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 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 16 shop cart** option with caster wheels and handle makes it easy to transport the wire feeder across the shop and under I-beams.
- **ArcReach 16 field roller option** is equipped with rollers to make it easier than ever to pull an ArcReach 16 wire feeder across pan decking.

NEXT LEVEL COST SAVINGS

Maximize savings by simplifying your fleet and accessories, being ready-to-weld with preassembled wire feeders, eliminating inefficiencies, and minimizing equipment downtime with XMT 650 ArcReach systems.

- **Eliminate the control cable** and reduce inventory and maintenance expense with ArcReach.
- **Eliminate dedicated gouging power sources** with integrated gouging stud at the wire feeder.
- **Eliminate cart/sled custom design and assembly** and be ready-to-weld in minutes with a preassembled ArcReach 16 wire feeder.
- **Enable welder with full control at point of use**, increasing efficiency.
- **Adjust While Welding (AWW™)** allows weld operators to change weld parameters while the arc is on.
- **Rugged and durable** means equipment lasts - with IP23 rating, Wind Tunnel Technology™ and Fan-On-Demand™.

NEXT LEVEL POWER

Power for all your welding and gouging needs.

- **Field-proven gouge process.** Remove more material per pass with optimized gouge process without sacrificing control.
- **Weld power to meet productivity needs.** Improve your project timelines with the ability to use large diameter filler wires and minimise downtime with large spools.
- **Elevated arc performance across jobs.** Provides the ability to run a vast range of wire diameters with ideal power. Enables flexibility without sacrificing performance.
- **Rack option** houses four XMT 650 power sources in one convenient package for multiple operators.



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ARCREACH® SUITCASE 12 MR301604 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 contractor chatter or arc outages.

SET VOLTS & WIRE SPEED FEED 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 PROCESSES

Add the flux-cored capability of the XMT 650 for fill and cap passes for increase 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® STICK/TIG REMOTE MR301325 FEATURES



COMPLETE REMOTE CONTROL

Portable and lightweight, the ArcReach® Stick/TIG Remote paired with a XMT 650 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.

ARCREACH® INDUCTION HEATER FEATURES



TAKE CHARGE OF YOUR PREHEATING

The ArcReach® Heater is equipped with built-in temperature control allowing for either manual or computer-loaded programming using up to six thermocouples. The ArcReach® Heater can run either one or two heating tools (air-cooled cable or air-cooled quick wrap) at the same time. Requires ArcReach® Heater extension cable to operate.

Note: Weld cables are not included.

COMPATIBLE WIREFEEDERS



ARCREACH 16 WIREFEEDER MR301619

Portable wire feeder for shop or field use accommodating a variety of wires up to 2.4mm diameter. When paired with an ArcReach power source, provides remote control of the power source without a control cord – saving time and money.



20 SERIES - DIGITAL MR951780001

*ArcReach capabilities are not available when used with S-74S or 20 Series Wire Feeder.



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MULTI-PROCESS CAPABILITY

Provides versatility and outstanding arc performance in CV (MIG), CC (Stick), DC TIG (GTAW), Induction Heating, Gouging - 9.5mm carbons.

GOUGING MODE

Provides 800 Amps of usable power, a full 650 Amps of power at 100% duty cycle. Perfect for heavy gouging with 9.5mm carbons.

BUILT-IN ARC CONTROL

Allows the operator to get in tight without sticking the electrode. An electrode compensation circuit ensures consistent arc control performance regardless of the electrode size.

VRD FUNCTIONALITY

Comes with integrated Voltage Reduction Device (VRD), compliant with AS1672.2 2007 Category C Environment. End of weld reaction time < 300mS.

IMPROVED ARC PERFORMANCE

Three wire modes (GMAW/FCAW/SAW) for simplified setup and optimised arc performance.

- Solid and flux-cored wires with gas offer exceptional short-arc MIG precision to weld thin metals with less risk of distortion or burn-through, and premium flux-cored welding with gas.
- Flux-cored (self-shielded) welding performance is exceptional, especially with wires commonly found in infrastructure construction.
- Sub arc mode provides capability to retrofit into non-digital sub arc applications.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

WIND TUNNEL TECHNOLOGY

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

WITHSTAND HARSH ENVIRONMENTS

All-aluminium construction helps the machine resist corrosion for long life. 82mm ground clearance keeps the machine away from water, mud and dirt to protect interior components.

14-PIN RECEPTABLE

Provides quick, direct connection to Miller 14-pin wirefeeders and accessories.

Cable Length Compensation (CLC™) ensures that the voltage weld operator sets is the voltage they get by automatically adjusting voltage based on weld cable length.

ARC REACH HEATER SYSTEM

Take charge of your field preheat and bakeout applications up to 600 degrees Fahrenheit (315°C).

As part of the ArcReach technology platform, the heater is an accessory for select ArcReach welding power sources. The induction heating tools (air-cooled cables or air-cooled quick wraps) connect to the ArcReach Heater, which is powered by select on-site welding power sources.

REMOTE VOLTAGE CONTROL

Allows operator to change voltage from feeder.

COMPATIBLE WITH INSIGHT CORE™

Simple internet-based welding information solution.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.



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ORDERING INFORMATION – AVAILABLE PACKAGES

OPTION 1

Power Source	Part No.
XMT 650 with ArcReach®	MR907844

Wirefeeder (Alternative Wirefeeders Listed Below)

ArcReach® SuitCase 12 Voltage Sensing Wirefeeder	MR301456
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Required Accessories (Interconnecting lead kit for this option is not supplied by WIA)

Interconnecting lead kit (10m) with earth clamp, power cable & gas hose	AA74-0/10
Bernard 440 Amp MIG gun with rotatable long 45 deg. neck, 4.6m cable, 1.2 tip	BEQ4015AH8EMC
0.9 / 1.2 mm “V” groove roll kit for solid wires	MR190300

OPTION 2

Power Source	Part No.
XMT 650 with ArcReach®	MR907844

Wirefeeder (Alternative Wirefeeders Listed Below)

ArcReach® 16 Wirefeeder	MR301619
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Required Accessories

Interconnecting lead kit (10m lug) with earth clamp, power cable, remote cable & gas hose	AM264-0/10
Bernard 440 Amp MIG gun with rotatable long 45 deg. neck, 4.6m cable, 1.2 tip	BEQ4015AH8EMC
Drive roll kit 1.2mm V-groove	MR151027



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Optional Accessories

RHC-14 remote hand current control	MR242211020
Wireless hand control & 14 pin receiver	MR300430
Wireless foot control & 14 pin receiver	MR300429
14 pin InsightCore™ module	MR301072
20 Series wirefeeder basic	MR301499
20 Series wirefeeder digital	MR301499001
Bernard 400 Amp MIG Gun with fixed medium 45 deg. neck, 3m cable 1.2 tip	BEQ4010AR8EMC
1.2mm knurled “V” groove drive roller for hard-shelled cored wires for ArcReach® SuitCase 12 wirefeeder (2 reqd. Inlet guide installed)	MR132957
1.6mm knurled “V” groove drive roller for hard-shelled cored wires for ArcReach® SuitCase 12 wirefeeder (2 reqd. Inlet guide installed)	MR132955
ArcReach® Stick/TIG Remote	MR301325

ADDITIONAL PACKAGES & DRIVE ROLLERS ARE AVAILABLE. FOR INFORMATION CALL CUSTOMER SUPPORT ON 1300 300 884.