

XMT[®] 350 FieldPro with ArcReach Technology

Part No: MR907730001

Improves Safety, Productivity & Profitability.



**DON'T
WALK WELD[™]**

GAME-CHANGING TECHNOLOGIES CAN STOP YOU FROM WASTING HOURS EVERY DAY.

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



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)

*Available with ArcReach Smart Feeder only

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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.

REGULATED METAL DEPOSITION (RMD[™]) & PULSE WELDING*

Enables operators to use these advanced processes in the field for faster, more efficient welds.

*Available with ArcReach Smart Feeder only

SUPERIOR ARC PERFORMANCE

The optimised 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.



IMPROVED JOB 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 multi-story and cluttered jobsites back to the power source.



MORE OPERATOR CONTROL

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

➤ Inadvertent parameter changes by other jobsite workers can be easily avoided.

➤ Return to previous weld process faster.

➤ Decrease the chance of an incorrect weld process being used.



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.



EXCEPTIONAL ARC PERFORMANCE

XMT 350 FieldPro systems maximise weld quality, reduce training time and minimise weld defects even while using weld cables that are hundreds of feet long.

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.

*Only available when connected to an ArcReach Suitcase Wirefeeder.



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.

➤ No more expenses related to maintaining or replacing easily damaged control cords.



MORE JOBSITE PRODUCTIVITY & 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[™])

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.

*Only available when connected to an ArcReach Suitcase Wirefeeder.



MIG & MULTI-PROCESS



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AUTO-LINE™ POWER MANAGEMENT

Automatically compensates for various input Voltage. Suits jobsite and generator power. Keeps welding output constant even if input power varies by $\pm 10\%$. 3 phase.

WIND TUNNEL TECHNOLOGY™

Protects electrical components and PC boards from contamination.

FAN-ON-DEMAND™

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

DINSE STYLE WELD DISCONNECTS

Provides high-quality weld cable connections.

NEW DURABILITY STANDARD FOR FIELD CONSTRUCTION

Designed and built to withstand the harshest field environments.

LIFT-ARC™

Allows TIG starting without the use of high-frequency. Starts the arc without contaminating the weld with tungsten.

ADAPTIVE HOT START™

Increases the output Amperage at the start of a weld if necessary, eliminating electrode sticking.

LIGHTWEIGHT, AEROSPACE-GRADE ALUMINIUM CASE

Offers heavy-duty protection with the benefit of reduced weight.

AUTO-BIND

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

JOB SITE MOBILITY

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.

TRUE MULTI-PROCESS SYSTEM

Provides conventional stick, TIG, FCAW, and MIG welding as well as the advanced technologies of RMD and pulse.

INFINITE ARC CONTROL

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

FLEET COMPATIBILITY

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

VRD TO CAT C AS 1674.2

3 YEAR WARRANTY

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

INPUT POWER	RATED OUTPUT	VOLT. RANGE CV MODE	AMP. RANGE CC MODE	INPUT AT RATED LOAD OUTPUT, 50/60Hz			MAX. OPEN-CIRCUIT VOLT.	DIM. (MM)	WEIGHT
				400 V	kVA	kW			
3 Phase	350 A at 34 VDC, 60% Duty Cycle	10 - 38 V	5 - 425 A	20.6	14.2	13.6	75 VDC	H: 432 W: 318 D: 610	42.2kg



Trusted by the best



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REMOTE IN USE INDICATOR

Provides convenient feedback indicating an ArcReach wire feeder is controlling the power source. While under ArcReach control, process and voltage/ampereage adjustments are locked out, preventing accidental changes by personnel other than the welding operator.

LED PROCESS INDICATOR

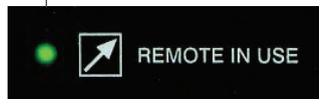
Front panel process selections are illuminated with an LED that identifies the active process. This enables the selected weld process to be seen at a distance from the power source. Includes carbon arc gouging mode for enhanced arc stability and control, and two stick modes (EXX10 and EXX18) designed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



ARC REACH STICK/TIG REMOTE

COMPLETE REMOTE CONTROL

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.

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ARCREACH SUITCASE 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 & 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 SOLUTION FOR TRADITIONAL WIRE PROCESS

Add the flux-cored capability of the XMT 350 FieldPro for fill and cap passes for increase productivity.

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.

DURABLE DESIGN REDUCES DOWNTIME

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

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.

DURABLE DESIGN REDUCES DOWNTIME

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

SYNERGIC PROCESSES

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

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WELDING PROCESS CAPABILITIES

The ArcReach[®] Smart feeder connected to an ArcReach-equipped power supply or engine drive provides standard welding process programs specifically designed for the welding of carbon steel and stainless steel pipe. The RMD[®] (MIG-modified short circuit) programs and pulsed MIG programs are synergic programs designed specifically for combinations of wire type, wire diameter and shielding gas.

RMD[®] (REGULATED METAL DEPOSITION)

A precisely controlled short-circuit metal transfer that provides a calm, stable arc and weld puddle. This provides less chance of cold lap or lack of fusion, less spatter and a higher quality root pass on pipe. The stability of the weld process lessens the puddle manipulation required by the welder and is more tolerant to hi-lo conditions, reducing training requirements. Weld bead profiles are thicker than conventional root pass welds which can eliminate the need for a hot pass, improving weld productivity. In some stainless steel applications, it may be possible to eliminate the backing (purge) gas to further improve productivity and reduce welding costs.

- > Ideally suited to root pass welding
- > Consistent side wall fusion
- > Less weld spatter
- > Tolerant to hi-lo fit-up conditions
- > More tolerant of tip-to-work distance
- > Less welder training time
- > Thicker root passes can eliminate hot pass
- > Eliminate backing gas on some stainless steel applications



RMD[®] CARBON STEEL

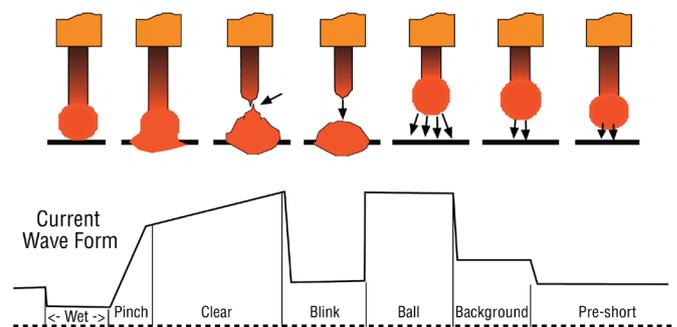


RMD[®] STAINLESS STEEL

CARBON STEEL PROGRAMS		SOLID WIRE (MM)			METAL-CORED WIRE (MM)
		0.9	1.0	1.2	
Shielding Gas	100% CO ₂	MIG, RMD	MIG, RMD	MIG, RMD	
	C25 (argon/25% CO ₂)	MIG, RMD	MIG, RMD	MIG, RMD	RMD
	C20 (argon/20% CO ₂)	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse	RMD
	C8-15 (argon/8-15% CO ₂)	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse	Pulse

STAINLESS STEEL PROGRAMS		SOLID WIRE (MM)		
		0.9	1.0	1.2
Shielding Gas	C2 (argon/2% CO ₂)	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse
	98/2 (argon/2% Oxygen)	MIG, RMD, Pulse	MIG, RMD, Pulse	MIG, RMD, Pulse

RMD Ball Transfer





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PULSED MIG

This method of pulse welding provides a shorter arc length, narrower arc cone and less heat input than with traditional spray pulse transfer. Since the process is closed-loop, arc wandering and variations in tip-to-work distances are virtually eliminated. This provides easier puddle control for both in-position and out-of-position welding, reducing welder training time. The process also improves fusion and fill at the toe of the weld, permitting higher travel speeds and higher deposition. This process coupled with RMD for root pass welding permits welding procedures with one wire and one gas to eliminate process switch-over time.

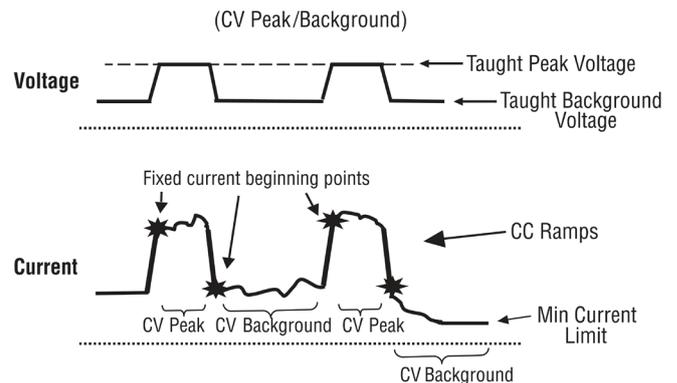
- > Ideally suited to fill and cap pass welding
- > Easier puddle control than conventional spray pulse
- > Shorter arc lengths and narrow arc cone for out-of-position welding
- > More tolerant of tip-to-work variation
- > Improve fusion and fill at toe of weld
- > Less heat input reduces interpass cooling time and improves weld cycle time
- > Enables one-wire with one-gas weld procedures



PULSED MIG CARBON



PULSED MIG STAINLESS



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ORDERING INFORMATION - AVAILABLE BASE PACKAGES

OPTION 1 - MIG/FLUX-CORED SYSTEM

POWER SOURCE

MR907730001 XMT[®] 350 FieldPro with ArcReach Technology

WIREFEEDER (ALTERNATIVE WIREFEEDERS LISTED BELOW)

MR301456 ArcReach SuitCase 12

REQUIRED ACCESSORIES

AM362-0/10 Complete lead kit for ArcReach Suitcase 12 (includes all leads + gas hose & fittings & connector)

BEQ401AR8EMC Bernard 400 Amp MIG gun with fixed medium 45 deg. neck, 3.0m cable, 1.2 tip

HA801AR Argon regulator & flow gauge

MR190300 0.9 / 1.2 mm "V" groove roll kit for solid wires

OPTION 2 - RMD PULSE SYSTEM

POWER SOURCE

MR907730001 XMT[®] 350 FieldPro with ArcReach Technology

WIREFEEDER (ALTERNATIVE WIREFEEDERS LISTED BELOW)

MR301177 FieldPro Smart Feeder (Dinse) CE

REQUIRED ACCESSORIES

AM363-0/10 10m lead kit to suit the FieldPro Smart Feeder

BEQ401AR8EMC Bernard 400 Amp MIG gun with fixed medium 45 deg. neck, 3.0m cable, 1.2 tip

HA801AR Argon regulator & flow gauge

MR190300 0.9 / 1.2 mm "V" groove roll kit for solid wires

OPTION 3 - STANDARD

BEQ401AR8EMC Bernard 440 Amp MIG gun with rotatable long 45 deg. neck, 4.6m cable, 1.2 tip

MR300615 22A wirefeeder - standard

AM294-0/10 Interconnecting lead kit - 10m dinse (includes Weld lead worklead +clamp, gas hose, control cable)

OPTIONAL ACCESSORIES

MR042934 Universal large cylinder cart

MR195445 MIG runner cart

MR242211020 RHC-14 remote hand current control

MR300430 Wireless hand control & 14 pin receiver

MR300429 Wireless foot control & 14 pin receiver

MR301072 14 pin InsightCore™ module

MR301325 ArcReach Stick/TIG Remote

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