

ArcReach® Smart Feeder

Part No: MR301177



Improves Safety, Productivity & Profitability.



DON'T WALK WELD™

GAME-CHANGING 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 maximises arc-on time, weld quality and jobsite safety.

APPLICATIONS	PROCESSES
Construction	MIG (GMAW)
Shipbuilding	Pulsed MIG (GMAW-P)
Heavy Manufacturing	Flux-Cored (FCAW)
Rental Fleets	RMD*

*Available with ArcReach Smart Feeder only

SYNERGIC PROCESSES

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

EXCELLENT RMD & PULSED MIG WELDING

Up to 60m 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

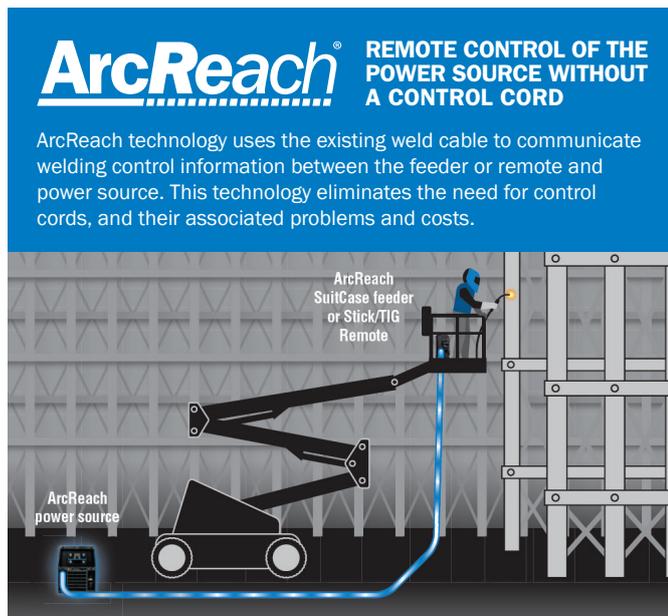
Simply connect the ArcReach Smart Feeder to your leads and you are ready to go. All controls automatically shift to the ArcReach Smart Feeder.

DURABLE DESIGN REDUCES DOWNTIME

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

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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.

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.

INCREASED UPTIME

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.

EASY SOLUTION TO TRADITIONAL WIRE PROCESS

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

IMPROVED JOB SAFETY

The chances of slip, trip or fall injuries are decreased because ArcReach technology allows welding 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 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™)*

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.

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.

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. Wide voltage range for small and large wires with no contactor chatter or arc outages.

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.

ADJUST WHILE WELDING (AWW™)*

Change weld parameters while the arc is on.

* Only available when connected to an XMT 350 FieldPro power source.

INPUT POWER	RATED WELDING OUTPUT	WIRE SPEED	WIRE DIAMETER CAPACITY	MAX SPOOL SIZE CAPACITY	DIM. (MM)	WEIGHT
Operates on open-circuit voltage and arc voltage: 14 - 48 VDC/110 max. OCV	275 A at 60% Duty Cycle	1.3 - 12.7 m/min dependent on arc voltage	0.9 - 1.2mm	305mm diameter up to 15kg	H: 457 W: 330 D: 546	23kg

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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

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

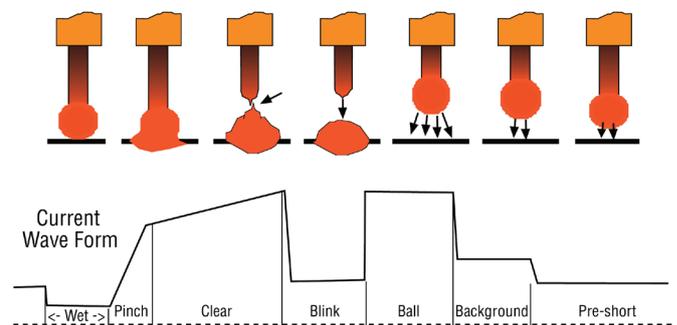


RMD® CARBON STEEL



RMD® STAINLESS STEEL

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

