

SuitCase® X-TREME™ 8VS & 12VS Voltage-Sensing Wire Feeder



Quick Specs

Industrial Applications

Shipbuilding
Construction
Heavy manufacturing
Rental

Processes

MIG (GMAW)
Flux-cored (FCAW)
Pulsed MIG (GMAW-P)

Input Power 14–48 VDC operating voltage
110 VDC maximum OCV

Wire Feed Speed 50–780 ipm (1.3–19.8 m/min.)

Weight 8VS: 28 lb. (13 kg) **12VS:** 35 lb. (15.9 kg)

ArcReach (recommended option)

Remote voltage control without a control cable

Portable wire feeding at its best

Voltage-sensing, portable feeders designed to run off of arc voltage from almost any welding power source, provide extreme reliability for construction and fabrication.



SuitCase® X-TREME™ 8VS with optional meters

SuitCase® X-TREME™ 12VS ArcReach™

SuitCase® X-TREME™ 12VS



Built to last in harsh industrial environments



Integrated tachometer improves weld quality



ArcReach™ — remote control without a cord



Wire feeder is warranted for three years, parts and labor.



Miller Electric Mfg. Co.
An ITW Welding Company
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Appleton, WI 54912-1079 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
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International FAX: 920-735-4125

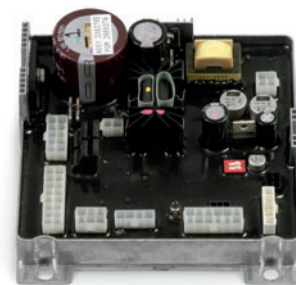
MillerWelds.com
f t in You Tube



SuitCase® X-TREME™ Features



Electronic wire feed speed control with integrated tachometer ensures wire feed speed accuracy and consistency that rivals the best benchtop feeders — making it easier to produce quality welds.



Potted and trayed main printed circuit board for the harshest environments adds exceptional reliability. Board has full-trigger isolation so a shorted gun trigger will not affect feeder operation.



Ultra-low drag inlet guide pins make loading the wire easy and does not deform the wire on the way into the drive rolls. Simply thread the wire through the pins and into drive rolls. There are two ways to advance the wire through the drive roll and into the gun. Either open the pressure arm and thread the wire into the grooves in the drive roll and on into the gun inlet **or** place the wire between the pins and use the jog/purge switch to advance the wire through the drive roll.



Digital meters with SunVision™ technology can display voltage and wire speed, and also amperage if desired. Meters can be seen clearly even in direct sunlight. (8VS: Meters optional).

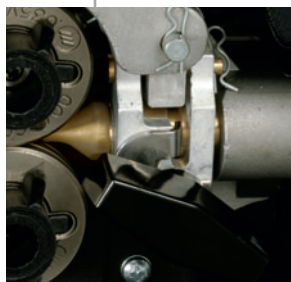
Front panel has trigger hold, wire jog, and gas purge all located on front panel.

Polypropylene case with built-in slide rails and the ability to open the door to change wire with feeder in vertical position.

Wire speed dual schedule reduces wire speed to 87.5 percent of standard speed. Requires a dual schedule gun or dual schedule switch (sold separately).



Scaled wire pressure knob provides easy adjustment and consistent pressure on the drive rolls and wire. **Wire drive and motor assembly** is specifically designed for mobile welding applications to provide smooth and consistent wire delivery. Improved motor torque and drive roll system are designed to feed small-diameter solid wire (.023 inch) to large-diameter cored wire (5/64 inch).



Gun locking tab works with guns having corresponding locking grooves to prevent gun from being pulled out if the feeder is dragged by the gun.



Gas inlet recessed into back of case is protected from incidental contact by the weld cable, ensuring consistent and contaminant-free shielding gas delivery to the gun. **Double-filtered gas valve** helps keep dirt from clogging and affecting gas flow.

Remote control of the power source without a cord

With an ArcReach-equipped SuitCase® feeder and power source you can change the output voltage at the feeder, and save a trip to the power supply. No extra control cable to purchase, maintain, string or unstring — saving time and money.



Polarity indication

Wire speed control

Voltage control

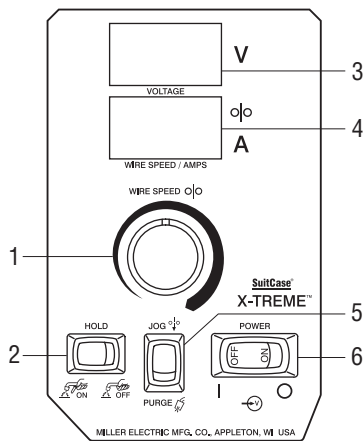
Fleet compatibility. ArcReach-equipped power sources and wire feeders work with non-ArcReach equipment; however, the complete ArcReach benefit is only realized with the ArcReach system.

Specifications (Subject to change without notice.)



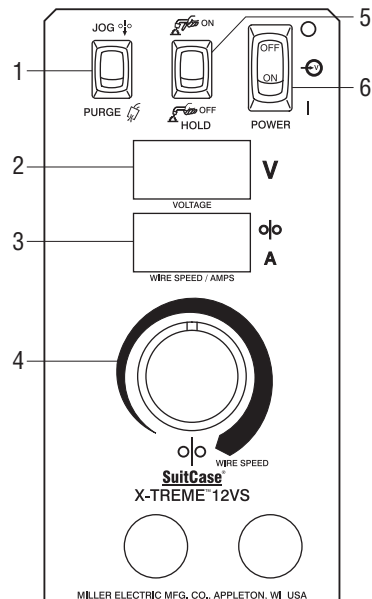
Model	Input Power	Welding Power Source Type	Input Welding Circuit Rating	Wire Speed	Electrode Wire Diameter Capacity	Max. Spool Size Capacity	Dimensions	Net Weight
8VS	Operates on open-circuit voltage and arc voltage: 14–48 VDC/110 max OCV	CC or CV DC power sources. AC type not recommended.	330 A at 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)	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)
12VS			425 A at 60% duty cycle		Solid wire: .023–.052 in. (0.6–1.4 mm)			

Control Panel



SuitCase X-TREME 8VS

1. Wire Speed Control
2. Trigger Hold Switch
3. Voltmeter (Optional)
4. Wire Speed/Amperage Meter (Optional)
5. Jog/Purge Switch
6. Power Control Switch







SuitCase X-TREME 12VS

1. Jog/Purge Switch
2. Voltmeter
3. Wire Speed/Amperage Meter
4. Wire Speed Control
5. Trigger Hold Switch
6. Power Control Switch

Drive Rolls (Two required. Order from Miller Service Parts.)

Select drive rolls from chart below according to type and wire size being used. Wire inlet guide comes installed on this wire feeder.

Wire Size	 "V" groove for hard wire	 "U" groove for soft wire or soft-shelled cored wires	 "V" knurled for hard-shelled cored wires	 "U" clogged for extremely soft wire or soft-shelled cored wires (i.e., hard facing types)
.023/.025 in. (0.6 mm)	#087 130	—	—	—
.030 in. (0.8 mm)	#053 695	—	—	—
.035 in. (0.9 mm)	#053 700	#072 000	#132 958	—
.040 in. (1.0 mm)	#053 696	—	—	—
.045 in. (1.1/1.2 mm)	#053 697	#053 701	#132 957	#083 489
.052 in. (1.3/1.4 mm)	#053 698	#053 702	#132 956	#083 490
1/16 in. (1.6 mm)	#053 699	#053 706	#132 955	#053 708
.068/.072 in. (1.8 mm)	—	—	#132 959	—
5/64 in. (2.0 mm)	—	#053 704	#132 960	#053 710

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
SuitCase® X-TREME™ 8VS	#951 582	With Bernard™ BTB Gun 300 A		
	#951 583	With Bernard™ BTB Gun 300 A (without meters)		
SuitCase® X-TREME™ 12VS	#951 543	With Bernard™ BTB Gun 300 A		
	#951 544	With Bernard™ Dura-Flux™ gun		
SuitCase® X-TREME™ 8VS ArcReach™	#951 588	With Bernard™ S-Gun™		
	#951 584	With Bernard™ BTB Gun 300 A		
SuitCase® X-TREME™ 12VS ArcReach™	#951 589	With Bernard™ S-Gun™		
	#951 581	With Bernard™ BTB Gun 300 A		
Flowmeter Kit	#300 343			
Inline Filter	#195 189			
Spool Adapter	#047 141	For 14 lb. spools		
Dual Schedule Switch DSS-9-15	#071 833			
International Gun Adapter	#164 902	Adapter is required to connect SuitCase X-TREME to a Euro-style gun		
Guns				
Bernard™ BTB Gun 300 A (GMAW)		See Bernard lit. no. SP-BTB		
Bernard™ Dura-Flux™ (FCAW)		See Bernard lit. no. SP-DF		
Bernard™ PipePro® Dura-Flux™ (FCAW)		Dura-Flux gun with built-in dual schedule switch. See Bernard lit. no. SP-DFPXC		
Power Sources				
XMT® 350 Series and 450 Series		See Lit. Index No. DC/18.93 and DC/18.94		
Dimension™ Series		See Lit. Index No. DC/19.2		
Gold Star® Series		See Lit. Index No. DC/8.1		
Big Blue® 400 Pro		See Lit. Index No. ED/5.7		
Big Blue® 500 Pro and 600 Pro		See Lit. Index No. ED/11.0 and ED/11.5		
Big Blue® 800 Series		See Lit. Index No. ED/14.0		
Bobcat™ Series		See Lit. Index No. ED/4.4		
Trailblazer® Series		See Lit. Index No. ED/4.75 and ED/4.78		
Consumables				
Drive Rolls				
Wire				

Date:

Total Quoted Price:

Distributed by:

