

RobustFeed U6/U82

Ultimate Robustness and Portability



PRECIDRIVE **SPOOLSAFE**



RobustFeed
U6

RobustFeed
U82



reddot winner 2021

Industry

- Marine and Offshore
- Steel Erectors
- Structural Steel Fabrication
- Industrial and General Fabrication
- Hard Surfacing and Cladding
- Repair and Maintenance
- Mobile Equipment
- Pressure Vessels
- Pipeline

The RobustFeed, with its ergonomic, robust and enclosed design, is the ideal partner whenever portability and durability are key. Equipped with a new precision wire drive system perfect for demanding applications. Additional features include a rear Stick Electrode Connection, and integrated flow meter.

Variants include internal heater and/or push-pull interface, panel options include a direct Pulse panel and a menu based U6 and U82 panel. RobustFeed U82 offers pulse on pulse and other advanced processes with the SuperPulse functionality.

RobustFeed U6/U82 works with Aristo power sources.

- Fully portable feeder offering the benefits of pulse - reducing weld spatter and post weld clean up, controlling bead appearance and profile, increased speed for position welding and more depending on the application
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- Durable housing, sturdy strain relief for interconnection, 5 ergonomic lifting points and safe for crane lifting handles makes product truly portable
- Integrates perfectly on standard trolleys, with or without wheel kit, and other options and accessories
- SpoolSafe - a unique in the market IP54 protection against dirt/dust keeps your wire dry and clean, improves feedability and reduces risk of contaminations of the weld
- The 2021 Red Dot design award winning design provides well-designed ergonomics and user operation

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Internal LED lights and intergrated storage for wear parts in lid



Wheel Kit and Strain Relief works with feeder horizontal or vertical

RobustFeed U6/U82

Specifications	
Input Voltage	42 VAC
Welding Output	630 A @ 35% 500 A @ 60% 400 A @ 100%
Wire Dimensions Mild Steel Stainless Steel Cored Wire Aluminium	0.6 – 2.0 mm (0.023 – 5/64 in.) 0.6 – 1.6 mm (0.023 – 1/16 in.) 0.8 – 2.0 mm (0.031 – 5/64 in.) 0.8 – 1.6 mm (0.031 – 1/16 in.)
Wire Feed Speed	0.8 – 25.0 m/min (30 – 985 ipm)
Wire Spool Capacity	20 kg (45 lbs)
Max Spool Diameter	300 mm (12 in.)
Operating Temperature	-20° to +40 °C/ -4 to 104 °F (+55 °C/131 °F with derating)
Protection Class	IP54
Certification Mark (Standards)	CE, CSA
Dimensions L x W x H	595 x 250 x 430 mm (23.4 in x 9.8 in x 16.9 in.)
Weight	16.7 kg (36.8 lbs)

Panel Functions		
	RobustFeed U6 + Aristo 500ix	RobustFeed U82 + Aristo 500ix
MIG CV	x	x
MIG Pulse	x	x
Synergic Lines	Steel, Stainless Steel, Aluminum - 92 lines	Steel, Stainless Steel, Aluminum - 259 manual and 68 robotic lines
Stick	Stick controls and outlet on wire feeder *	x
ACAG	Gouging controls and outlet on wire feeder *	x
Live TIG	x	x
Gas Flow Meter, Heat Kit	x *	x *
2T/4T	x	x
Hot Start	x	x
Creep Start	x	x
Crater Fill	x	x
Burnback	x	x
SCT	x	x
Amperage Setting	x	x
Gas Pre- and Post-flow Setting	x	x
Qset	x	x
Memory Settings	10	255
Spot Welding Time	x	x
Setting Limits	x	x (and measure limits)
Code Lock	x	x (and user levels)
SuperPulse	-	x
Synergic Line Creation	-	x

* Depending on variant

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Easy 2 Step Ready To Weld Package Selection:

Step 1: Select Basic Package

Step 2: Select Interconnection Length

Ordering Information	Power Source Only	Basic Packages*	
Aristo 500ix, 380 – 575V	0446200881	w/ RobustFeed U6	0558102716
		w/ RobustFeed U6 WC	0558102738
Interconnection Cables		Air-Cooled	Water-Cooled
Interconnection – 70 mm 2 CAN w strain relief, 2 m (6 ft)		0446255880	0446255890
Interconnection – 70 mm 2 CAN w strain relief, 5 m (16 ft)		0446255881	0446255891
Interconnection – 70 mm 2 CAN w strain relief, 15 m (50 ft)		0446255883	0446255893
Interconnection – 70 mm 2 CAN w strain relief, 25 m (82 ft)		0446255885	0446255895

***Basic Package Includes:** Power Source with ground lead and clamp; RobustFeed™; 0781-3641 – Victor® ESS32-50CFH-580 EDGE 2.0 Flow Gauge Regulator; 0349313450 Cart - 4 wheel, single cylinder; 1040-1052 Tweco Spraymaster 450 15ft 1/16"; Water cooled Basic Package includes: 0465427880 - Cool 2 unit and Spraymaster MIG Gun is substituted with 10441179 - 1044-1124 Fusion 7w Tweco 15ft, Euro.

Use Interconnection Strain Relief Kit Aristo 0446050881 to upgrade existing Aristo interconnection cable sets to fit with RobustFeed

NOTE: Power Sources, Basic Packages and Ready to Weld Combinations require the customer to supply input power cables. Suggested cable is 4C 8Awg input cable

Ordering Information	
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled Tweco 4	0445800904
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled, Euro	0445800900
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled Tweco 23 Pin Push/pull	0445800896
RobustFeed U6 (push pull capable, gas flow meter+heater+MMA outlet) Air-cooled, Tweco 4	0445800890
RobustFeed U6 (push pull capable, gas flow meter+heater+MMA outlet) Water-cooled, Euro	0445800895
RobustFeed UO - Euro Connect Water Cooled no U82 Pendant	0445800901

Delivery Includes: Wire feeder with Drive rolls V-groove: 0.9/1.0 mm (.035 in.) / 1.2 mm (.045 in), Wire guides 0.6–1.6 mm (.023–1/16 in), Instruction manuals wire feeder & control panel, Quick start guide, Safety instruction.

ELP feature needed for use with legacy equipment for example Cool 1.

Options & Accessories	
4-wheel Trolley, Power Source	0349313450
Guide Pin Extension Kit *	0465508880
Counterbalance Arm, RobustFeed **	0448181880
Counterbalance Arm Extension Kit for use with 6m (19 ft) and 7.5m (24 ft) torches	0448116880
Stabilizer kit for Counterbalance Arm **	0465509880
RobustFeed Wheel Kit	0446081880
Feeder Mounting Kit, Power Source Assembly incl cable holders	0447518880
Boom Adaptor (Lifting Device)	0446956880
Torch Holder RobustFeed	0446958880
Torch Strain Relief RobustFeed	0446082880
Quick Connector Marathon Pac™	F102440880

* Extension Kit 0465508880 required when Wire Feeder Wheel Kit is used in combination with Trolley 0349313450.

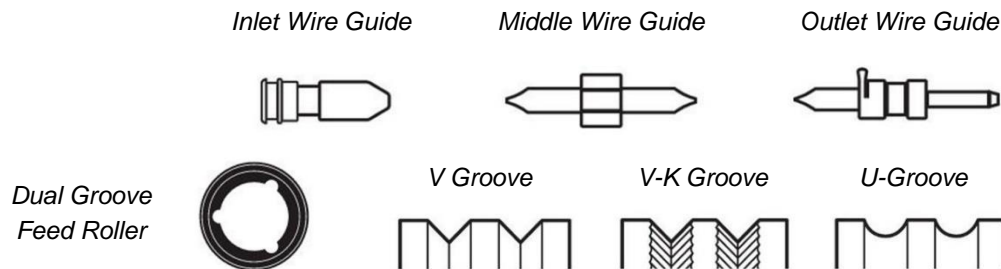
** Stabilizer Kit 0460946880 required when Counterbalance is used in combination with Trolley 0349313450

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Wear & Spare Parts			
Feed Roller V-Groove for Fe/SS/Cored Wire	Groove / Side 1	Groove / Side 2	Part Number
Feed Roller V Groove	0.6 mm (0.023 in.)	0.8 mm (0.030 in.)	0445850001
Feed Roller V Groove	0.8 mm (0.030 in.)	0.9 / 1.0 mm (0.03 / 0.040 in.)	0445850002
Feed Roller V Groove	0.9 / 1.0 mm (0.03 / 0.040 in.)	0.9 / 1.0 mm (0.03 / 0.040 in.)	0445850003
Feed Roller V Groove	0.9 / 1.0 mm (0.03 / 0.040 in.)	1.2 mm (0.045 in.)	0445850004 *
Feed Roller V Groove	1.2 mm (0.045 in.)	1.2 mm (0.045 in.)	0445850005
Feed Roller V Groove	1.4 mm (0.052 in.)	1.6 mm (1/16 in.)	0445850006
Feed Roller V Groove	2.0 mm (5/64 in.)	2.0 mm (5/64 in.)	0445850007
Feed Roller V-Groove for Cored Wire			
Feed Roller V-K Groove	0.9 / 1.0 mm (0.040 in.)	1.2 mm (0.045 in.)	0445850030
Feed Roller V-K Groove	1.2 mm (0.045 in.)	1.2 mm (0.045 in.)	0445850031
Feed Roller V-K Groove	1.2 mm (0.045 in.)	1.4 mm (0.052 in.)	0445850032
Feed Roller V-K Groove	1.6 mm (1/16 in.)	1.6 mm (1/16 in.)	0445850033
Feed Roller V-K Groove	2.0 mm (5/64 in.)	2.0 mm (5/64 in.)	0445850035
Feed Roller V-K Groove	2.4 mm (3/32)	2.4 mm (3/32)	0445850036
Feed Roller U-Groove for Aluminum Wire			
Feed Roller U Groove	0.8 mm (0.030 in.)	1.0 mm (0.040 in.)	0445850050
Feed Roller U Groove	1.0 mm (0.040 in.)	1.2 mm (0.045 in.)	0445850051
Feed Roller U Groove	1.2 mm (0.045 in.)	1.6 mm (0.062 in.)	0445850052
Wire Guide	Inlet Nozzle	Middle Nozzle	Outlet Nozzle
Wire Guide for Fe/SS/C 0.6 - 1.6 mm (0.023 - 1/16 in.)	0445822001 *	0446080882 *	0445830881 * Euro 0445830883 * Twec
Wire Guide for Fe/C 1.8 - 2.4 mm (0.070 - 3/32 in.)	0445822002	0446080883	0445830883 Euro 0445830884 Twec
Wire Guide for Al 0.8 - 1.6 mm (0.031 - 1/16 in.)	0445822001 *	0446080881	0445830885 Euro 0445830886 Twec

For complete list of wear and spare parts please see separate manual.

* Included in delivery.



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