

# Aristo<sup>®</sup> 500ix

## Powerful multi-process welding machines



**PRECIDRIVE**



  
reddot winner 2021

*Aristo 500ix, Robust Feed U6 on cart*

Aristo 500ix is a portable heavy industrial pulse power source with robust and reliable mechanical design. Together with Robust Feed U6, Pulse or U82 with its award winning ergonomic, robust and enclosed design, it is the perfect solution for fabricators valuing welding quality and equipment reliability.

Aristo 500ix has thick double bent metal side panels providing easy access for service and maintenance. Both power source, feeder and trolley provide dedicated lifting points for safe and easy logistics.

Depending on selected wire feeder, functionalities range from key pulse welding features up to and including parameter limits & lock and in U82 other advanced processes with the SuperPulse functionality.

- Advanced pulse functionality reducing heat input, weld spatter and post weld clean up, controlling bead appearance and profile, increased speed for position welding and more depending on the application
- Up to 259 manual and 68 robotic pre-programmed synergic lines (U82 Plus) allows for a broad range of applications
- QSet welding mode that features automatic adaptation to varying contact tip to work piece distances
- Crater filling, adjustable burn back time and SCT (short circuit termination) options for defect-free weld terminations
- Durable and rugged – Both the power source and wire feeder has a well proven reliability even in the harshest environments
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality

Visit [esab.com](https://www.esab.com) for more information.

### Industry

- General Industrial Fabrication
- Energy
- Windtowers
- Transportation
- Railcars
- Mining
- Mobile Machinery
- Steel Industry
- Ship/Barge Building
- Offshore Oil

# Aristo<sup>®</sup> 500ix

Specifications	
Mains Voltage	380 – 575 V ±10%, 3ph, 50/60 Hz
Welding Output GMAW (MIG/MAG)	500 A / 39.0 V at 60% Duty Cycle 400 A / 34.0 V at 100% Duty Cycle
Welding Output SMAW (Stick)	500 A / 40.0 V at 60% Duty Cycle 400 A / 36.0 V at 100% Duty Cycle
Welding Output GTAW (TIG)	500 A / 30.0 V at 60% Duty Cycle 400 A / 26.0 V at 100% Duty Cycle
Setting Range GMAW (MIG/MAG)	16 A / 14.8 V - 500 A / 39 V
Setting Range SMAW (Stick)	16 A / 20.6 V - 500 A / 40 V
Setting Range GTAW (TIG)	5 A / 10.2 V - 500 A / 30 V
Open Circuit Voltage	58 V
Efficiency at Max Current, MIG/MAG	90%
Power Factor at Max Current, MIG/MAG	0.91
Dimensions L x W x H	712 x 325 x 470 mm (28 x 13 x 18.5 in)
Weight	53 kg (116 lbs)
Operating Temperature	-20 to +40 °C (-4 to 131 °F)
Enclosure Class	IP23
Application Class	S
Insulation Class	H
Certification Mark (Standards)	CSA
Cool 2 Cooling Unit	
Supply Voltage	40 VAC
Cooling Power	1 kW
Coolant Volume	4.5 l (1.2 gal)
Max Flow	1.8 l/min (0.48 gal/min)
Max Pressure	4.6 bar (66.7 PSI)
Dimensions L x W x H	680 x 330 x 230 mm (27 x 13 x 9 in)
Weight	15 kg (33 lbs)
Weight w/ coolant	19.5 kg (43 lbs)

## 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 – 575 V	0446200881	w/ Robust Feed Pulse	0558102737
		w/ Robust Feed U6	0558102716
		w/ Robust Feed U6 water	0558102738
Interconnection Cables		Air-Cooled	Water-Cooled
Interconnection – 70 mm <sup>2</sup> CAN w/ strain relief, 2 m (6 ft)		0446255880	0446255890
Interconnection – 70 mm <sup>2</sup> CAN w/ strain relief, 5 m (16 ft)		0446255881	0446255891
Interconnection – 70 mm <sup>2</sup> CAN w/ strain relief, 15 m (50 ft)		0446255883	0446255893
Interconnection – 70 mm <sup>2</sup> CAN w/ strain relief, 25 m (82 ft)		0446255885	0446255895

\*Basic Package Includes: Power Source with ground lead and clamp, Robust Feed, Tweco SprayMaster 450 Mig Gun 15ft 1/16 (pn 10401052), EDGE Shielding Gas Regulator (pn 0781-3634), Cart-4 wheel, single cylinder (pn 0349313450)

NOTE: Power Sources, Basic Packages and Ready to Weld Combinations may come with input power cables. If not, suggested cable is 4C 8Awg input cable

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Wire Feeder & Control Panel		
Feeders	Air-cooled	Water-cooled
Robust Feed U6 (includes push-pull, gas flow meter + heater) Air-cooled Tweco 4	0445800890	-
Robust Feed U6 (includes push-pull, gas flow meter + heater) Water-cooled Euro	-	0445800888
Robust Feed U0 (Blank Robust Feed includes push-pull, gas flow meter + heater, water) Euro	-	0445800901
Robust Feed U82 (includes U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled Tweco 12 pin for Push-Pull		0445800904
Robust Feed U82 (includes U82 Plus, ELP, gas flow meter+heater+MMA outlet) Water-cooled Euro		0445800900

Options & Accessories	
Description	Part Number
Aristo U82 Plus complete includes Holder	0460820881
COOL 2 Cooling Unit	0465427880
Coolant 3 gal (10 l.)	0465720002
Flow Guard kit ***	0447775880
Wheel Kit, power source	0465416880
Remote control MTA1 CAN	0459491880
Remote control unit AT1	0459491896
Remote control AT1 Coarse Fine	0459491897
Remote control adapter RA 23	0459491911
Remote control cable 12 pole - 8 pole 5 m (16 ft)	0459552880
Remote control cable 12 pole - 8 pole 10 m (32 ft)	0459552881
Remote control cable 12 pole - 8 pole 15 m (49 ft)	0459552882
Remote control cable 12 pole - 8 pole 25 m (82 ft)	0459552883
Remote outlet kit	0465424880
Stabilizer kit Warrior for Counterbalance Arm	0465509880
Counterbalance Arm, RobustFeed *	0448181880
Robust Feed Wheel Kit	0446081880
Retrofit Kit RobustFeed	0349313100
Boom Adaptor (Lifting Device)	0446956880
Torch Holder RobustFeed	0446958880
Torch Strain Relief	0446082880
4-wheel Trolley	0349313450
Tweco 4 MIG Gun Connection Kit (included with Robust Feed)	0446120882
Tweco 5 MIG Gun Connection Kit	0446120884
Guide Pin Extension Kit **	0465508880
Liquid Cooling Kit (to upgrade air cooled feeders)	0446123880
Quick Connector Marathon Pac	F102440880

\* Counterbalance Arms require Trolley 0349313450 and Stabiliser kit 0465509880.

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

\*\*\* Works with Cool2 units produced June 2023 or later.

For complete list of wire feeder accessories and interconnection cables please see separate fact sheets or instruction manuals.



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