ARISTO®
500ix

**POWERFUL
MULTI-PROCESS
WELDING
MACHINES**

Aristo 500ix with
Robust Feed U6 Pulse

ARISTO® 500ix

Portable heavy industrial pulse power source with robust and reliable mechanical design.

Aristo 500ix is a portable heavy industrial pulse power source with robust and reliable mechanical design. Together with Robust Feed U6 or Pulse it is the perfect solution for demanding pulse applications.

Aristo 500ix has thick metal side panels with double bent side panels and large feet providing clearance and making the unit fit for use in tough environments. The large side panels provide easy access for service and maintenance. Ergonomic handles that are safe and marked for crane lifting provide easy logistics. The unit comes with a sturdy cart featuring dedicated crane lifting points, a torch holder and large cable holders.

FEATURES

- **Advanced pulse functionality reduces heat input and minimises spatter**
- **Up to 250 pre-programmed synergic lines (U82 Plus)**
- **QSet™ intelligent welding system**
- **Crater filling, adjustable burn back time and SCT (short circuit termination) options for defect-free weld terminations**
- **Durable and rugged –IP23 rating for outdoor and indoor use in rough environments**
- **Compatible with Robust Feed U6 and Pulse, rugged and portable feeder units with excellent feeding performance**
- **MMA and gouging available from feeder**

APPLICATIONS

- **Industrial and General Fabrication**
- **Structural Steel Fabrication**
- **Steel Erectors**
- **Marine and Offshore**
- **Transportation**
- **Railcars**
- **Mobile Equipment**
- **Tank and Vessel Fabrication**
- **Pressure Vessels**
- **Energy**

WHAT IS QSET™?

Simply set the wire feed speed and the QSet™ function will automatically select the correct welding parameters for your wire/gas combination. QSet™ does this for all gas and wire combinations, CO_2 and MAG Brazing alike and without any need for synergic lines on either of the control panels.

QSet™ is the quick and easy way to finding optimised welding parameters for the best quality weld. Spatter and set-up time are reduced to a minimum.
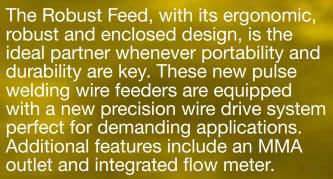
It is simple and straightforward to set a new working point with QSet™. Only change the wire feed speed to match the required welding power and QSet™ will select all other parameters for an optimised welding result in the whole short arc area.

All this with only one knob control.

ROBUST FEED PULSE U6

Portable and rugged wire feeders for pulse applications

Robust Feed Pulse   Robust Feed U6 Pulse

The Robust Feed, with its ergonomic, robust and enclosed design, is the ideal partner whenever portability and durability are key. These new pulse welding wire feeders are equipped with a new precision wire drive system perfect for demanding applications. Additional features include an MMA outlet and integrated flow meter.

Robust Feed Pulse control functions are easy to find, set and fine-tune, while the Robust Feed U6 offers additional functionality including parameter limits and parameter lock for better repeatability. Both units offers synergic lines to address a wide variety of steel, aluminium and stainless steel wires.

FEATURES

- 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

- Durable, drop-proof housing that withstands demanding applications

- Great portability with ergonomic handles, 5 lifting points and safe for crane lifting handles

- Weatherproof, enclosed design that withstands rain from all directions and inside heater ensures the filler metal is kept dry

- Protected cable connectors and sturdy strain relief for interconnection cable reduces maintenance

- Works as great in the field as in workshops, on a trolley, with or without wheel kit, and other options and accessories

- Compatible with Aristo 500 ix(0446200880) and Aristo 4004IP Weld Cloud (0445301880) powersources

Panel Function Features		
	Robust Feed Pulse + Aristo 500ix	**Robust Feed U6 + Aristo 500ix**
MIG CV	✓	✓
MIG Pulse	✓	✓
Synergic Lines	Steel,Stainless Steel, Aluminium 93 lines	Steel,Stainless Steel, Aluminium 92 lines
MMA	MMA controls and outlet on wire feeder *	MMA controls and outlet on wire feeder *
Gouging		Gouging controls and outlet on wire feeder *
Live TIG		✓
Gas Flow Meter	✓*	✓*
Heat Kit	✓*	✓*
2T/4T	✓	✓
Hot Start	✓	✓
Creep Start	✓	✓
Crater Fill	✓	✓
Burnback	✓	✓
SCT	✓	✓
Amperage Setting	✓	✓
Gas Pre-and Post-flow Setting	✓	✓
Qset	✓	✓
Memory Settings	3	10
Spot Welding Time		✓
Setting Limits		✓
Code Lock		✓

* Depending on variant

ARISTO®
FEED 3004

Optimum Welding Solutions

Sturdy design with galvanized metal casing for use in tough environments. Electronically controlled feeding gives accurate and stable arc. The 4-wheel feeder mechanism with grooves in both feed roll and pressure roll gives stable feeding and low wear on the wire, all to avoid operational disturbance.

The feeders are available with either 30 mm diameter rollers for wires 0.6 to 1.6 mm in Steel, Stainless and 1.0 to 1.6 mm in Aluminium.

Choose your level of control. Multiple panel options with U6, U82 and the new MA25 panel specialised for Steel and Aluminium applications.

FEATURES

- New drive motor offers more torque for improve arc starts, more consistent speed and less noise
- Redesigned drive rolls and feed mechanism for more positive feeding performance and reduced risk of wire shavings
- Short Circuit Termination (SCT) technology sharpens the wire at the end of each weld to promote better arc starts
- Feed 3004 can be equipped with a counter balance arm, lifting eye or a wheel kit for increased mobility
- TrueArcVoltage™ system measures the correct arc voltage at the contact tip (together with ESAB torches)

Panel Functions		
	U6	Aristo U82
QSet™	✓	✓
AmperageTarget Setting	✓	✓
2/4 stroke	✓	✓
Creep Start	✓	✓
Hot Start	✓	✓
Crater Filling	✓	✓
Adjustable Burn-back Time	✓	✓
Gas Pre/Post Flow	✓	✓
Digital V/A Meter	✓	✓
Gas Purge/Wire Inching	✓	✓
Memory Set	10	255
Create Own Synergic Lines	ESAT*	USB
Pre-programmed Synergic Lines	60	92
Synergic Pulse	✓	✓
Limit Editor(set and measured values)		✓

* ESAB Service Tool

Aristo 3004 Feeder with U82

Aristo 500ix with water cooler and
Aristo 3004 Feeder with U82 Pulse

ARISTO 500iX PLANT WITH 3004 FEEDER U82 AIR COOLED   P/N: W1009640

Aristo® 500 ix Power Source
Includes: Aristo 3004W MO, Aristo Pendant U82 Plus inc. holder, 3004/Robust Feed Trolley, PSF415 3m Euro, Con. Set AA 10m Can 70mm2 10p, Reg Comet 250 Arg 45lpm 2ga, Kit Conn 5/8unrh-5mm Hose

ARISTO 500iX PLANT WITH 3004 FEEDER U82 WATER COOLED   P/N: W1009730

Aristo® 500 ix Power Source
Aristo 3004W MO, Aristo Pendant U82 Plus inc. holder, 3004/Robust Feed Trolley, Water Cooler, PSF415 3m Euro, Con. Set AA 10m Can 70mm2 10p, Reg Comet 250 Arg 45lpm 2ga, Kit Conn 5/8unrh-5mm Hose

ARISTO 500iX PLANT WITH ROBUST FEED U6 AIR COOLED   P/N: W1009740

Aristo® 500 ix Power Source
Robust Feed U6, Robust Feed Trolley, PSF415 3m Euro, Con. Set AA 10m Can 70mm2 10p, Interconn Strain Relief Reg Comet 250 Arg 45lpm 2ga, Kit Conn 5/8unrh-5mm Hose

Aristo 500ix Power Source	0446200882

TECHNICAL DATA, ARISTO® 500iX

Mains Voltage	380 -460 V ±10%, 3ph, 50/60 Hz
Fuse Slow	32A
Welding Output GMAW (MIG/MAG)	500 A / 39 V at 60% Duty Cycle 400 A / 34 V at 100% Duty Cycle
Welding Output SMAW (Stick)	500 A / 40 V at 60% Duty Cycle 400 A / 36 V at 100% Duty Cycle
Welding Output SMAW (TIG)	500 A / 30 V at 60% Duty Cycle 400 A / 26 V at 100% Duty Cycle
Setting Range GMAW (MIG/MAG)	16 A / 14.8 V -500 A / 39 V
Setting Range SMAW (MMA)	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	58V
Open Circuit Voltage VRD Activated	32VDC
Efficiency at Max Current	88%
Power Factor at Max Current	0.91
Minimum Three Phase Generator Recommendation	30kVA 9 (at 0.8 Power Factor)
Dimensions L x W x H	712 x 325 x 470 mm
Weight	58.5 kg
Operating Temperature	-20°C to +40°C
Enclosure Class	IP 23
Insulation Class	H
Application class	S
Standards	CE

For complete list of wire feeder accessories and interconnection cables please see separate fact sheets or instruction manuals.
*Robust Feed Pulse/U6 with push-pull has support for remote control and mechanisation with Miggytrac/Railtrac.
Not for use with Robust Feed. Counterbalance Arm requires Trolley 0349313450/0460565880 and Stabiliser kit 0465509880.
** Extension Kit required when Wire Feeder Wheel Kit is used in combination with Trolley.
^To fit Robust Feed on existing Warrior Trolley 0465510880
~ * With dual-circuit cooling system for less heat, better wire feedability and fewer production stops to change wear parts.
Note: All accessories are available, but may not be stocked items.

ACCESSORIES

	P/N
COOL 2 Cooling Unit	0465427880
Coolant 10 Litre	0007810012
Trolley (Robust Feed/Warrior Feed/Aristo Feed)	0349313450
Trolley Retrofit Kit Robust Feed ^	0349313100
Guide Pin Extension Kit **	0465508880
Counterbalance Arm #	0458705880
Stabiliser kit for Counterbalance Arm	0465509880
Robust Feed Wheel Kit	0446081880
Torch Strain Relief Robust Feed	0446082881
Tweco No 4 Connection Kit Robust Feed	0446120882
Quick Connector Marathon Pack	F102440880
Interconnection Strain Relief Robust Feed U6	0446050881

	Gas-Cooled	Water-Cooled
Interconnection Cables 70mm2, 1.7m	0459528780	0459528790
Interconnection Cables 70mm2, 10.0m	0459528782	0459528792
Interconnection Cables 70mm2, 15.0m	0459528783	0459528793

WIRE FEEDER & CONTROL PANEL

Feeders	Gas-cooled P/N	Water-cooled P/N
Robust Feed Pulse (incl. gasflow meter, heater, MMA outlet) Water-cooled Euro	-	0445800891
Robust Feed U6 (incl. gasflow meter, heater, MMA outlet) Water-cooled Euro	-	0445800887
Aristo Feed 3004, U6 Encl. 10 pole	0460526886	0460526896
Interconnection Strain Relief Robust Feed U6	0446050881	
Aristo U82 Control Panel		
Aristo U82Plus complete incl. Holder	0460820881	
U82 Control cable extension 7.5m	0460877891	

COOL 2 COOLING UNIT

Supply Voltage	40 VAC
Cooling Power	1kW
Coolant Volume	4.5l
Max Flow	1.8l/min
Max Pressure	4.6 bar
Dimensions L x W x H	680 x 330 x 230mm
Weight	15kg (Empty)
Weight with coolant	19.5kg

MIG TORCHES WITH EURO CONNECTION

	3.0 m P/N	4 m P/N
PSF 415	0700025040	0700025041
PSF 515	0700025050	0700025051
PSF 420W	0700025060	0700025061
PSF 520W~	0700025070	0700025071

CIGWELD   ARCAIR   STOODY   TWECO   THERMAL DYNAMICS
AN ESAB BRAND   AN ESAB BRAND   AN ESAB BRAND   AN ESAB BRAND   AN ESAB BRAND