

ESAB COBOT

Simple-to-use robotic welding for higher productivity,
less rework – and a sharper edge over the competition.



ESAB Cobot robotic welding systems solve today's toughest challenges in the most demanding environments, including industries with a high mix of low-volume parts. It allows for increased output and productivity – without more manpower – all in a small footprint.

Best of all, unlike traditional robotics there's no complicated programming. Cobots are made for welders, not programmers, with app-based software that is simple and intuitive.

Combining the best-quality UR arm on the market, the Aristo 500ix heavy-industrial pulse welding power source, and the RobustFeed U82 wirefeeder, ESAB Cobot is the ideal solution for superior feed-ability and arc performance.

Industry

- General Industrial Fabrication
- Energy
- Transportation
- Repair and Maintenance
- Educational

- Easy-to-use app-based software allows immediate access to parts programming, analytics for increased repeatability and uptime, and productivity monitoring.
- In-app remote support provides answers and information in a matter of minutes.
- Advanced pulse functionality reduces heat input and minimizes spatter to improve productivity by reducing rework, saving you time and cost.
- No robot operation/programming experience required.
- Playlist/Part storage for quick and easy recall.

Visit esab.com for more information.



Aristo 500ix



 **reddot winner 2021**

Robust Feed U82

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Specifications	
Input Voltage for Cobot	120V – 240VAC 1 ph
Input Voltage for Welding Equipment	380 – 575 V ±10%, 3ph, 50/60 Hz
Internet Requirement	RJ45 Hardline with outbound internet access
Welding Output	Air-Cooled Mix 400 A / 60%, 270 A / 100% CO2 480 A / 60%, 320 A / 100% Water-Cooled Mix 400 A / 100% CO2 400 A / 100%
Wire Dimensions Mild Steel Stainless Steel Cored Wire Aluminum	0.8 – 1.6 mm (.030 - 1/16 in.) 0.8 – 1.6 mm (.030 - 1/16 in.) 0.8 – 1.6 mm (.030 - 1/16 in.) 0.8 – 1.6 mm (.030 - 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	-10 - 40°C (14 to 104°F)
Maximum Cobot Arm Reach	1300 mm (51.2 in.)
Dimensions L x W x H, incl. Arm in full upright position	1219 mm x 1042 mm x 2951 mm (48 x 41 x 116.2 in.)
Weight	377 kg (830 lbs.)

Ordering Information	
ESAB Cobot Aristo 500ix Air-Cooled 460V 3 ph	0464752010
ESAB Cobot Aristo 500ix Water-Cooled 460V 3 ph	0464752020
ESAB Cobot Aristo 500ix Air-Cooled 575V 3 ph	0464752012
ESAB Cobot Aristo 500ix Water-Cooled 575V 3 ph	0464752022

Air-Cooled Packages includes Welding table, Universal Robot, Aristo 500ix (0446200881), RobustFeed U82 (0445800900), Interconnection set, air-cooled torch RT 72G (0700300850), torch cable assembly (0700025122), torch mount (0700300422), regulator (Victor EDGE 2.0 ESS32-150-580 (0781-3634))

Water-Cooled Packages includes: Welding table, Universal Robot, Aristo 500ix (0446200881), RobustFeed U82 (0445800900), cooling unit, Interconnection set, water-cooled torch 0700300674 Torch neck RT 82W, 22 degree torch cable assembly (0700025123), torch mount (0700300422), regulator (Victor EDGE 2.0 ESS32-150-580 (0781-3634))

Torch Consumables	
Guide nipple incl. O-ring	0700300471
O-ring	0700300398
O-ring	0700300397
Nozzle seat RT 72	0459990039
Neck insulator ceramic	0459990040
Locking nut	0459990041
Nozzle insulator, black	0459990223

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Torch Consumables

Contact tip M8x30mm, CuCrZr (HD) 0.8 mm (0.30 in.)	0700300372
Contact tip M8x30mm, CuCrZr (HD) 0.9 mm (0.35 in.)	0700300373
Contact tip M8x30mm, CuCrZr (HD) 1.2 mm (0.45 in.)	0700300375
Contact tip M8x30mm, CuCrZr (HD) 1.4 mm (0.52 in.)	0700300376
Contact tip M8x30mm, CuCrZr (HD) 1.6 mm (1/1 in.)	0700300377
Contact tip M8x30mm, Ecu for Al 1.2 mm (0.45 in.)	0700300360
Contact tip M8x30mm, Ecu for Al 1.4 mm (0.52 in.)	0700300361
Contact tip M8x30mm, Ecu for Al 1.4 mm (1/16 in.)	0700300362
Tip holder M8, HD, Brass	0700300677
Gas nozzle con., NW 16 mm	0700300389
Gas nozzle con., NW 16 mm, stick out	0459990130

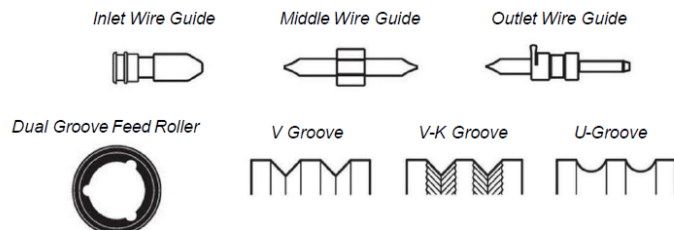
Additional consumables can be found in XA00205520_ESAB-RT-Robotic-Torches_GL_EN

Feeder Wear Parts

Feed Roller V Groove for Fe/SS/C 0.8-0.9/1.0 mm (.030 - .040 in.)	0445850002
Feed Roller V Groove for Fe/SS/C 0.9/1.0-0.9/1.0 mm (.040 - .040 in.)	0445850003
Feed Roller V Groove for Fe/SS/C 0.9/1.0-1.2 mm (.040 - .045 in.)*	0445850004
Feed Roller V Groove for Fe/SS/C 1.2-1.2 mm (.045 - .045 in.)	0445850005
Feed Roller V Groove for Fe/SS/C 1.4-1.6 mm (.052 - 1/16 in.)	0445850006
Feed Roller V-K Groove for C 0.9/1.0-1.2 mm (.040 - .045 in.)	0445850030
Feed Roller V-K Groove for C 1.2-1.2 mm (.045 - .045 in.)	0445850031
Feed Roller V-K Groove for C 1.2-1.4 mm (.045 - .052 in.)	0445850032
Feed Roller V-K Groove for C 1.6-1.6 mm (1/16 - 1/16 in.)	0445850033
Feed Roller U Groove for Al 0.8-1.0 mm (.030 - .040 in.)	0445850050
Feed Roller U Groove for Al 1.0-1.2 mm (.040 - .045 in.)	0445850051
Feed Roller U Groove for Al 1.2-1.6 mm (.045 - 1/16 in.)	0445850052
Inlet Wire Guide Ø 2 mm for Fe/SS/Al/C 0.6-1.6 mm (.023 - 1/16 in.)*	0445822001
Middle Wire Guide for Fe/SS/C 0.6-1.6 mm (.023 - 1/16 in.)*	0446080882
Middle Wire Guide for Al 0.8-1.6 mm (.030 - 1/16 in.)	0446080881
Outlet Wire Guide for Fe/SS/C 0.6-1.6 mm (.023 - 1/16 in.), Euro	0445830881
Outlet Wire Guide for Al 0.8-1.6 mm (.030 - 1/16 in.), Euro	0445830885

Feeder is drum adaptable with Quick Connector Marathon Pac™ (F102440880)

Fe = Mild Steel; SS = Stainless Steel, Al = Aluminum, C = Cored Wire * Included in delivery.
For complete list of wear and spare parts please see separate manual.



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