

# Aristo™ robot package

*Retrofit I/O Interfaces for implementation of the Aristo™ robot package components on existing robots*

**Aristo™ Retrofit I/O for ABB S3 - A350**

**Aristo™ Retrofit I/O for ABB S4**

**Aristo™ Retrofit I/O for Motoman – MRC/XRC**

**Development within the field of robotic welding equipment moves rapidly. New materials and processes are constantly being introduced and all demand new functionalities and programs to meet their performance needs. By upgrading your robot installation with new welding equipment you can substantially increase productivity.**

## Technology

Based on the Aristo™ Mig 5000i CAN-bus controlled power-source ESAB has a standard modular solution for upgrading your welding equipment. This modular solution is a complete system that can be mounted on robot installations or other mechanised equipment.

To comply with the high demands of wire-feeding in robotic environments, ESAB has developed the enclosed feeder Aristo™ RoboFeed 3004w and the enclosed feeding unit Aristo™ FeedMech 4804w with the separate control unit, Aristo™ FeedControl. All these units comply with specific robotic needs and include functions like the communication of the anti-collision signal, the push button for gas test and manual wire inching to name but a few.

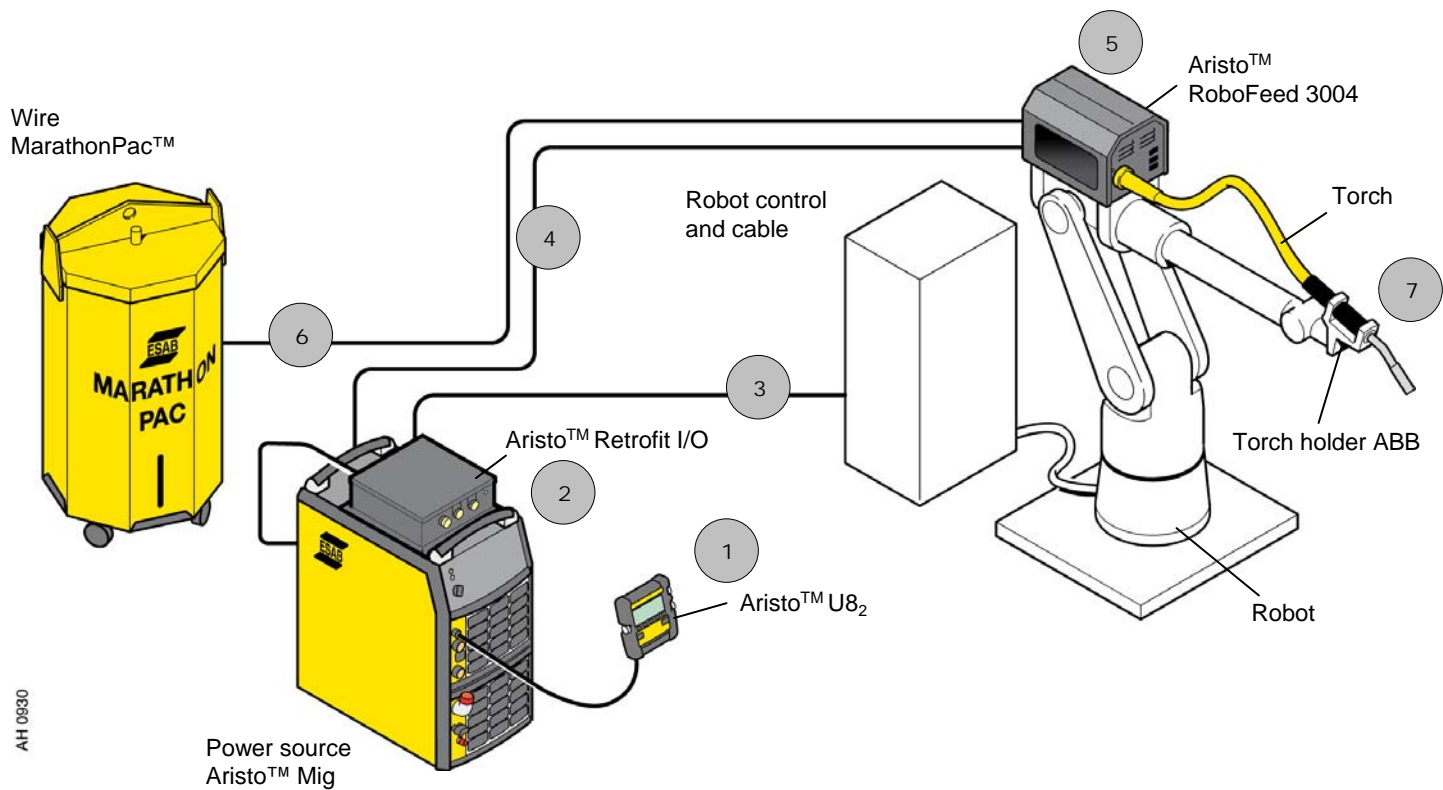
The **Aristo™ U8<sub>2</sub> Plus I/O** operator pendant ensures a good man – machine communication and gives you quick and easy access to all the relevant parameters and synergic lines. A number of remote configurations and soft buttons make it easy for the integrator and the operator to get access to a range of useful features such as hot start, crater fill and inching.

ESAB provides several robot package solutions ranging from the simple and low cost up to high tech, with offerings for both analogue or digital communication with external systems.



- New materials require modern welding processes and functionalities all of which are included in today's equipment
- Easier programming and increased capacity to store welding parameters enables faster switch settings
- Ensured availability of spare- and wear-parts
- The introduction of ESAB Marathon Pac and Endless Pac welding consumables

# Aristo™ robot package configuration of retrofit I/O Interface



## Ordering information

### Power sources:

Aristo™ Mig 5000i, 400 V ac	0459 230 880
Aristo™ Mig 5000iw, 400 V ac	0459 230 881

### Accessories for power sources

Water flow guard Aristo™ Mig 5000i	0456 855 880
Trolley Aristo™ Mig 5000i	0461 043 880

Aristo™ U8 <sub>2</sub> , Plus I/O	0460 820 882
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1 Aristo™ Retrofit I/O ABB S3 - A350	0461 090 881*
Aristo™ Retrofit I/O ABB S4	0461 090 883*
Aristo™ Retrofit I/O Motoman MRC, XRC	0461 090 882*

\*The unit include the control cable for connection to the power source

### 2 Control cable, Retrofit I/O Interface - robot cabinet ABB S3/S4:

The existing cable will fit

#### Motoman:

5.0 m	0455 076 885**
10.0 m	0455 076 881**

3 \*\* Contact Motoman for the internal robot cabinet connections

### Cable package, power source - feeder unit

	<i>Air-cooled</i>	<i>Water-cooled</i>
5.0 m	0740 538 890	0740 538 895
10.0 m	0740 538 881	0740 538 886
15.0 m	0740 538 887	0740 538 887
25.0 m	0740 538 888	0740 538 888
4 35.0 m	0740 538 889	0740 538 889

5 Feeder unit *	
Aristo™ RoboFeed 3004w ELP 12p	0461 000 891
* incl. quick connector Marathon Pac	

### Assembly bracket

Assembly bracket universal	0461 173 880
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### 6 Wire Conduits

Wire conduit 1.8 M	F102 437 881
Wire conduit 3.0 M	F102 437 882
Wire conduit 3.8 M	F102 437 889
Wire conduit 4.5 M	F102 437 883
Wire conduit 6.0 M	F102 437 887
Wire conduit 6.5 M	F102 437 890
7 Wire conduit 8.0 M	F102 437 884
Wire conduit 12.0 M	F102 437 885

### Welding torch

PSF 315M 1.5 m, Straight	0367 233 896
PSF 315M 2.2 m, Straight	0367 233 901
PSF 315M 3 m, Straight	0367 233 905
PSF 315M 1.5 m, Standard 25 degree	0367 233 894
PSF 315M 2.2 m, Standard 25 degree	0367 233 900
PSF 315M 3 m, Standard 25 degree	0367 233 898

\* For other feeder alternatives, see the Aristo™ robot package sales brochure.

2009-03-13 / ESAB reserves the right to alter specifications without prior notice



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