

ARISTO 1001 AC/DC

The only Automation Multi-process welding machine that delivers
What you set, is what you get



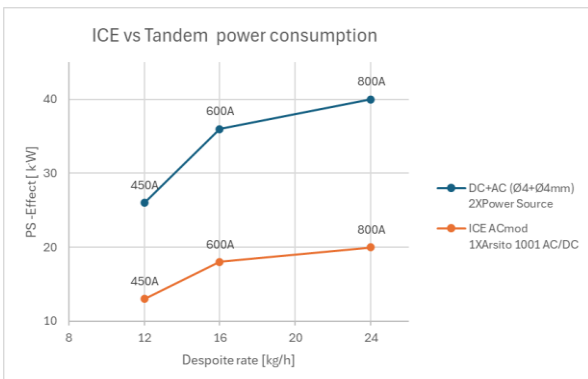
Aristo 1001 AC/DC is a welding power source with both direct current (DC) or alternating current (AC), designed for high-productivity automated welding processes such as submerged arc welding, gouging, electro slag welding, cladding and gas metal arc welding. This is an updated and improved version of our well-known ARISTO 1000 AC/DC SAW, e.g. new forced cooling system. The power source has many setting options for those who want to optimize their welding process.

- **Multi-purpose heavy duty AC/DC**
The 1000A @ 100% duty cycle and precise control of penetration and deposition make this machine the only automated and robotic welding power source you need
- **Cable Boost™** gives the possibility to use longer welding cables without losing power at the welding head. **What you set, is what you get**
- **Lift Wire Arc Start.** Excellent start performance and the ability to start without cutting the wire (SAW)
- **Increase productivity** by using the higher deposition rate of unbalanced AC with the same heat input. Increase productivity even more with ESAB's patented **ICE™**
- **Non-stop root to cap welding** allows change over from DC welding to AC welding on the fly
- **Bead Profile Modelling™** provides adjustable AC settings for precise control of penetration profile and depth, dilution, arc stability and weld appearance to achieve the best productivity and quality for each weld
- **Engineered fan speed control.** PWM-controlled fan speed with less noise, lower power consumption and less maintenance
- **Paralleling multiple power sources**
Parallel up to three power sources to get up to 3000A

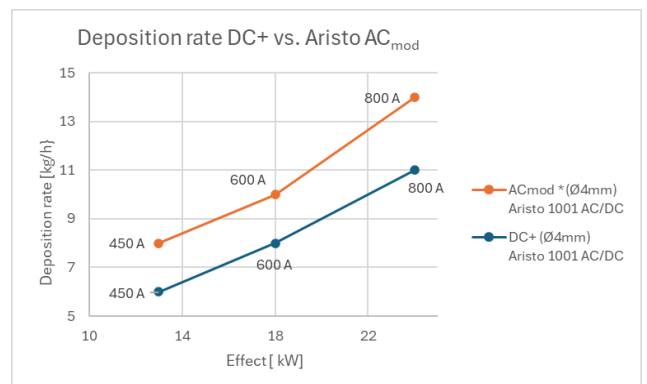
Visit esab.com for more information

Industry

- Wind tower manufacturing
- Shipbuilding
- Beam manufacturing
- Pressure vessel manufacturing
- Power generation
- Pipe mills
- General fabrication



Better energy footprint by using ICE™ compared to same deposition rate in AC_{mod}



Increased deposition rate with AC_{mod} compared with DC mode

ARISTO 1001 AC/DC

Specifications	
Mains Voltage	380 - 575 V, 10 %, 3 Φ 50/60 Hz
Primary current	I _{max} 85 A
Setting range	14 - 50 V / 0 - 1000 A
Permissible load, 100% duty cycle	1000 A / 44 V
Power factor at maximum current	0.93
Efficiency, at maximum current	88 %
Open-circuit voltage with VRD U ₀ max	121 VDC
Apparent power at maximum current	53.6 kVA
Active power, at maximum current	49.6 kW
No-load power	159 W
Operating temperature	-10 to +40 °C (+14 to +104 °F)
Transportation temperature	-20 to +55 °C (-4 to +131 °F)
Dimensions (L x W x H)	857 x 613 x 1402 mm (33.7 × 24.1 × 55.2 in.)
Weight	349 kg (769 lb)
Insulation class	H
Enclosure class	IP23S
Application class	Ⓢ
Certification Mark (Standards)	CE
3rd party approvals	CCC

Ordering Information	
Description	Part Number
ARISTO 1001 AC/DC	0462100890

Options & Accessories	
Description	Part Number
PAB Profinet	0449535882
PAB EtherNet/IP	0449535883



ESAB / esab.com

