



APEX is an authorized distributor and stockist for ESAB Sweden



APEX is an authorized distributor and stockist for ESAB Sweden. The ESAB brand is synonymous with world leading expertise in four key areas – manual welding and cutting equipment, welding automation, welding consumables and cutting systems, related safety products. Our products are used in a variety of fields: structural steel works, fabrication, marine and oil & gas services.

MMA

WELDING PACKAGES

ESAB's portable MMA packages provide the flexibility to weld most metals, including alloyed and non-alloyed steel, stainless steel and cast iron. A compact design and easy-to-use control panel make these machines handy to take along to any job.



Buddy™ Arc 145 / 180

- Buddy Arc 145 welds electrodes up to Ø2.5mm
- Buddy Arc 180 welds electrodes up to Ø3.2mm
- Competitively priced
- 230V 1ph, requires 16A fuse



Caddy® Arc 151i A31 & Caddy® Arc 151i/201i A33

- Caddy Arc 151i welds Ø3.2mm electrodes with a 10A fuse
- Caddy Arc 201i welds electrodes up to Ø4.0mm
- Allows for 100m mains cable
- For adjustable Arc Force, Hot Start, two memories and remote control facility, choose the A33 panel
- 230V 1ph, requires 10A fuse (Arc 151i), 16A fuse (Arc 201i)



Caddy® Arc 251i A32/A34

- Welds all types of electrodes up to Ø5.0mm
- For adjustable Arc Force, Hot Start, electrode type selector, two memories and remote control facility, choose the A34 panel
- 400V 3ph, requires 10A fuse



Origo™ Arc 410c, 650c and 810c

The Origo™ Arc 410c, 650c and 810c are sturdy and robust switching converter (chopper) power sources intended for manual heavy duty MMA welding with coated electrodes, TIG welding and Air Carbon Arc Gouging. Well proven technology with a high level of reliability, outstanding weld performance, a strong metal housing and large wheels for ease of handling, make this range of machines ideal for use in the toughest of industrial environments.

Engine driven welders

Designed for professional contractors

- Robust & long lasting design
- Welding range DC 60500-A (EDW 510 D)
- Welding range DC 40700-A (EDW 610 D)
- Auxiliary Power outlets 6.2 KVA, 220/110/ V, 1-ph.
- Proven brushless generator technology
- No PCB required for welding current regulation
- Low maintenance
- Reliable air-cooled low rpm Deutz diesel engine
- Three years warranty on the welding generator



Material	Electrode Diameter	Remote Control Outlet	Model	Mains Supply
Mild Steel/ Stainless Steel	Ø 1.6-2.5mm	No	Buddy™ Arc 145	1ph / 240V
	Ø 1.6-3.2mm	No	Caddy® Arc 151i A31,	1ph / 240V
			Buddy™ Arc 180	1ph / 240V
	Ø 1.6-4.0mm	Yes	Caddy® Arc 151i A33,	1ph / 240V
		Yes	Caddy® Arc 201i A33,	1ph / 240V
	Ø 1.6-5.0mm	No	Caddy® Arc 251i A32,	3ph / 400V
		Yes	Caddy® Arc 251i A34,	3ph / 400V



TIG

WELDING PACKAGES

ESAB's TIG packages weld aluminium, mild steel, stainless steel and most other metals. These complete welding packages consist of a compact and powerful power source with an easy-to-use control panel and ergonomic torch.

Caddy® Tig 2200i AC/DC with TA33 user interface

- Automatic settings - Simply set the plate thickness and the machine optimises the parameters
- Pre-set AC frequency
- Pre-set AC balance
- Remote control ready

Caddy® Tig 2200i AC/DC with TA34 user interface

- Pulsed functionality for controlled heat input
- Ideal for thin plate welding and special alloys
- Adjustable AC Frequency optimises the arc width
- Adjustable AC Balance optimises the arc penetration
- Electrode preheating for improved starting properties and extended electrode life
- Two individual memory settings
- Remote control ready

Buddy™ Tig 160

- Competitively priced
- Analogue panel
- Adjustable slope down
- Automatic post gas flow

Caddy® Tig 1500i/2200i with TA33 user interface

- Automatic settings - Simply set the plate thickness and the machine optimises the parameters
- Adjustable slope up/down and pre/post gas flow
- Option to use smaller sized TIG-torch
- Digital display

Caddy® Tig 1500i/2200i with TA34 user interface

- Pulsed functionality for controlled heat input
- Ideal for thin plate welding and special alloys
- Remote control ready
- Two individual memory settings
- Adjustable slope up/down and pre/post gas flow
- Option to use smaller sized TIG-torch
- Digital display



Material	Plate Thickness	Cooling	Model	Pulse / Remote Control Outlet
DC TIG				
Mild Steel / Stainless Steel	<1.0mm	Air	Caddy® Tig 1500i TA34	• / •
			Caddy® Tig 2200i TA34	• / •
	Water	Caddy® Tig 2200iw TA34	• / •	
	1.0-5.0mm	Air	Buddy™ Tig 160	- / -
			Caddy® Tig 1500i TA33	- / -
		Caddy® Tig 1500i TA34	• / •	
	1.0-7.0mm	Air	Caddy® Tig 2200i TA33	- / -
			Caddy® Tig 2200i TA34	• / •
Water		Caddy® Tig 2200iw TA33	- / -	
		Caddy® Tig 2200iw TA34	• / •	
AC/DC TIG				
Aluminium (mild and stainless steel)	0.5-5.5mm (Alu) 0.5-7.0mm (Fe/SS)	Air	Caddy® Tig 2200i AC/DC TA34	• / •
		Water	Caddy® Tig 2200iw AC/DC TA34	• / •
	1.0-5.5mm (Alu) 1.0-7.0mm (Fe/SS)	Air	Caddy® Tig 2200i AC/DC TA33	- / •
		Water	Caddy® Tig 2200iw AC/DC TA33	- / •



MIG/MAG WELDING PACKAGES



Caddy® Mig C160i

- Automatic settings - Simply set the plate thickness and the machine optimises the parameters
- Convenient single-knob heat adjustment
- Analogue panel
- Optimised for welding mild and stainless steel plates from 0.5 - 4.0mm



Caddy® Mig C200i

- QSet™ - Intelligent welding system
- Automatic settings - Simply set the plate thickness and the machine optimises the parameters
- Convenient single-knob heat adjustment
- MIG brazing capability
- Digital panel for exact settings of current and voltage
- Optimised for welding mild/stainless steel and aluminium plates from 0.5 - 6.0mm



Origo™ Mig C151

- 230V 1ph for welding up to 0.8mm solid wire
- Easy to change polarity enables welding with gasless cored wire
- Low investment cost
- Analogue display



Origo™ Mig C170

- 400V 3ph for welding up to 0.8mm solid wire
- Optional polarity change kit enables welding with gasless cored wire and optional digital V/A meter kit
- Adjustable burnback time and creep start functionality
- Tack welding functionality

Origo™ Mig C250

- 400V 3ph for welding up to 1.2mm solid wire
- Easy to change polarity enables welding with gasless cored wire
- Adjustable burnback time and creep start functionality
- Tack welding functionality
- Optional digital V/A meter

Material	Type	Wire Ø / Plate thickness		Model	
Mild Steel Solid Wire	Compact	0.8mm / <6mm	Portable	Caddy® Mig 160i	
				Caddy® Mig 200i	
		1.0mm / <10mm		Origo™ Mig C151	
				Origo™ Mig C170	
		1.2mm / >10mm		Origo™ Mig C250	
				Origo™ Mig C250	
	Separate Feeder	1.0mm / <10mm 1.2mm / >10mm	Origo™ Mig C280 PRO		
			Origo™ Mig C340 PRO		
Mild Steel Flux-cored Wire	Compact	1.0mm / <10mm 1.2 - 1.4mm / >10mm		Origo™ Mig C420 PRO	
	Separate Feeder	1.0mm / <10mm 1.2 - 1.4mm / >10mm	400A Advanced		
			400A Synergic		
	Stainless Steel Solid Wire	Compact	0.8mm / <6mm		Caddy® Mig C200i
		Separate Feeder	1.0mm / <10mm 1.2mm / >10mm	400A Pulse	
	Stainless Steel Flux-cored Wire	Compact	1.0mm / <10mm 1.2 - 1.4mm / >10mm		Origo™ Mig C420 PRO
		Separate Feeder	1.0mm / <10mm 1.2 - 1.4mm / >10mm	400A Advanced	
400A Synergic					
Aluminium Solid Wire	Compact	1.0mm / <6mm		Caddy® Mig C200i	
	Separate	1.0mm / <10mm		400A Pulse	

Note: This selection guide should be viewed as a recommendation for the most common wire combinations. Smaller wire diameters can always be used and in most cases a larger diameter can be an option.

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Origo Mig L405



Origo Mig 652



Origo Feed L302 / L304



Origo Feed Airmatic, M10



Aristo Mig



Mobile Feed 300AVS

MULTI - PROCESS PACKAGE

400A / Origo 4004

ESAB's industrial CC/CV MIG/MAG package features the latest inverter technology and handles both mild steel and stainless steel using solid wire or flux-cored wire.

- Multi-process package - MIG/MAG, MMA, Carbon Arc Gouging and LiveTIG
- Digital display (V/A) in the feeder provides accurate readings close to the weld
- Digital display (V/A) in the power source for MMA and Gouging and LiveTig welding
- TrueArcVoltage™ system - Measures the correct arc voltage at the contact tip



WARRIOR



ORIGO 4004

PLASMA CUTTING



ESP 150

This heavy-duty, water-cooled plasma cutting and gouging system provides the perfect solution for production cutting and plasma gouging. The ESP 150 can cut up to 51 mm manually and can sever 63 mm, using either an Ar/H₂ mixture or compressed air. Gas options for higher quality cuts, especially on aluminium and stainless, resulting in lower total operating costs – the PT 26 torch cuts with nitrogen or argon-hydrogen mixtures; choice of carbon dioxide, air, nitrogen or oxygen for torch cooling.



POWERCUT 1600

Powerful plasma cutting package for cutting up to 38 mm material thicknesses. For all types of heavy duty cutting and gouging within production, repair, maintenance and assembly. Use on all electrically conductive materials, e.g. mild steels, aluminium and stainless steels. This rugged, easy to use, power efficient unit, offers excellent cutting, piercing and gouging properties. It can also be adapted for mechanization. Runs off your mains supply together with compressed air or Nitrogen.



POWERCUT 400

Powerful. Durable. Simple. Successful plasma cutting requires power, durability and simplicity. ESABs PowerCut family delivers on all counts, thanks to high speed and thickness capabilities, high duty cycle ratings, simple set-up and operation, and enhanced consumable life. PowerCut also offers the lowest cost per meter of cut of any machine in this price class, plus outstanding productivity and performance. Manual cut capacity - Cuts 10 mm (3/8 in) - Severs 13 mm (1/2 in)



POWERCUT 700

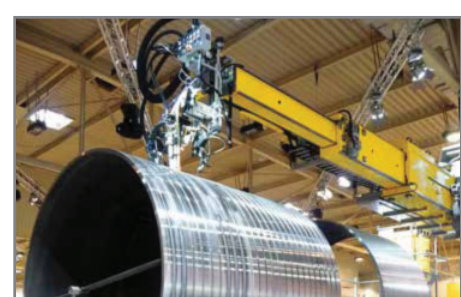
Powerful. Durable. Simple. Successful plasma cutting requires power, durability and simplicity. ESABs PowerCut family delivers on all counts, thanks to high speed and thickness capabilities, high duty cycle ratings, simple set-up and operation, and enhanced consumable life. PowerCut also offers the lowest cost per meter of cut of any machine in this price class, plus outstanding productivity and performance. Manual cut capacity - Cuts 16 mm (5/8 in) - Severs 22 mm (7/8 in) Mechanized pierce capacity: - Maximum 8 mm (5/16 in)



POWERCUT 900

PowerCut 900 is a powerful plasma cutting package for cutting up to 25 mm material thicknesses. PowerCut 900 is made for all types of cutting within production, repair, maintenance and assembly. Use on all electrically conductive materials, e.g. mild steels, aluminium and stainless steels. This rugged, easy to use, power efficient unit, offers excellent cutting, piercing and gouging properties. It can also be adapted for mechanization.

WELDING AUTOMATION & ROBOTICS



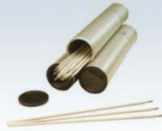
WELDING CONSUMABLES

Submerged Arc Wires & Fluxes (SAW)



[Nickel-based Alloy Fluxes](#)
[Nickel-based Alloys](#)
[Hardfacing](#)
[Mild Steel Wires](#)
[Low Alloy Wires](#)
[Stainless Steel Wires](#)
[Mild Steel Fluxes](#)
[Low Alloy Fluxes](#)
[Stainless Steel Fluxes](#)

Covered (Stick) Electrodes (SMAW)



[Dissimilar Materials](#)
[Copper-based Alloys](#)
[Aluminium Alloys](#)
[Mild Steel Electrodes](#)
[Low Hydrogen/Low Alloy Electrodes](#)
[Stainless Steel Electrodes](#)
[Nickel Steel Electrodes](#)
[Cast Iron Electrodes](#)
[Hardfacing Electrodes](#)

MIG/MAG Wires (GMAW)



[Copper-based Alloys](#)
[Hardfacing](#)
[Mild Steel Wires](#)
[Low Alloy Wires](#)
[Stainless Steel Wires](#)
[Nickel Steel Wires](#)
[Aluminium Wires](#)

Gas-Shielded Flux-Cored Wires (FCAW)



[Dissimilar Materials](#)
[Mild Steel Wires](#)
[Low Alloy Wires](#)
[Stainless Steel Wires](#)
[Hardfacing](#)

Metal-Cored Wires (MCAW)



[Low Alloy Wires](#)
[Cast Iron Wires](#)

TIG Rods (GTAW)



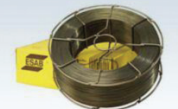
[Copper-based Alloys](#)
[Nickel-based Alloys](#)
[Mild Steel Rods](#)
[Low Alloy Rods](#)
[Stainless Steel Rods](#)
[Aluminium Rods](#)

Repair and Maintenance



[Dissimilar Materials](#)
[Accessories](#)
[Aluminium Alloys](#)
[Cast Iron Alloys](#)
[Hardfacing Alloys](#)

Self-Shielded Flux-Cored Wires (FCAW)



PERSONAL PROTECTIVE EQUIPMENT (PPE)



Clothing



Gloves



Eye Protection



Helmets & Head Protection



Why do so many professionals choose APEX?

The answer is simple... **TRUST.**

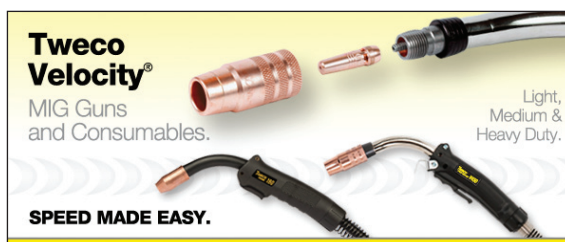
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