ATLAS

ADVANCED INDUSTRIAL EQUIPMENT

PRODUCT CATALOGUE

2025

VOLUME 02

OUR BRANDS

ESAB

3M

EUROBOOR
FOR PROFESSIONALS BY PROFESSIONALS

InduSuite

ewac

ARCAIR
AN ESAB® BRAND

THERMAL DYNAMICS
AN ESAB® BRAND

SUFI
SUFI WAHEED LEATHER

VICTOR
AN ESAB® BRAND

PROFAX

TYROLIT

SANDVIK Coromant

EXATON
AN ESAB® BRAND

STOODY
AN ESAB® BRAND

Swift-Cut
AN ESAB® BRAND

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LEARN MORE AT
WWW.ATLASTRADING.NET



ATLAS ADVANCED INDUSTRIAL EQUIPMENT EST. provides high performance and innovative solutions that you trust. Empowering you to do better, safer, increasingly significant work that continues to shape the world around us.

ATLAS is a leading wholesale partner, proudly serving our Fabricators, Manufacturers, Distributors and Retailers with: welding consumables, machines, accessories, magnetic drill machines, abrasives, hand tools, machine tools, safety gear, and general consumables tailored to project needs.

We continue to provide our customers with an extensive line of quality products and solutions, ensuring to back them up with unparalleled customer service. We are committed to stocking significant inventory for our extensive portfolio.

Our knowledgeable team is ready and willing to serve you by recommending complete solutions, verifying stock, quoting, securing and expediting orders to ensure you get the product precisely when you need it.



With our complete commitment to quality, we collaborate with our suppliers and customers as partners to continuously improve our product and service offerings. Allowing the quality and reliability of our products and services to excel at a level far above the expectations of our clients.

GET THE
ATLAS ADVANTAGE +

LEARN MORE AT
WWW.ATLASTRADING.NET

FILLER METALS
WELDERS' #1 CHOICE
AROUND THE WORLD

ESAB created the world's first covered (stick) electrode in 1904 and has been the leading innovator ever since. Achieve the best with electrodes, wires, rods, fluxes and powders from the strongest brands.

ESAB · EXATON AN ESAB BRAND · ewac · STOODY AN ESAB BRAND

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

ESAB

FILLER METALS



Covered (Stick) Electrodes (SMAW)

- Aluminium Alloys
- Low Alloy Electrodes
- Mild Steel Electrodes
- Low Hydrogen Electrodes
- Low Hydrogen/Low Alloy Electrodes
- Stainless Steel Electrodes
- Nickel Alloy Electrodes
- Hardfacing Electrodes



Submerged Arc Wires (SAW)

- Nickel-based Alloys
- Hardfacing
- Mild Steel Wires
- Low Alloy Wires
- Stainless Steel Wires
- Cladding Strip



Submerged Arc Fluxes

- Nickel-based Alloy Fluxes
- Mild Steel/Low Alloy Fluxes
- Stainless Steel Fluxes



Gas-Shielded Flux-Cored Wires (FCAW)

- Nickel Wires
- Mild Steel Wires
- Low Alloy Wires



TIG Rods (GTAW)

- Copper-based Alloys
- Nickel-based Alloys
- Mild Steel Rods
- Low Alloy Rods
- Stainless Steel Rods



MIG/MAG Wires (GMAW)

- Copper-based Alloys
- Hardfacing Wires
- Mild Steel Wires
- Low Alloy Wires
- Stainless Steel Wires
- Nickel Alloy Wires

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

THE ULTIMATE LINE-UP





WELDING EQUIPMENT





TAKE YOUR PRODUCTIVITY **TO THE NEXT LEVEL WITH ESAB WARRIOR**

Warrior, ESAB's heavy industrial multi-process lineup, has just what your business needs to get the job done.

- Reduces power consumption up to 25%
- Heavy-duty amperage and duty cycle
- Built for fast-moving job sites
- Leading inverter technology
- Easily adjustable arc controls
- Consistently smooth performance



MIG, flux cord, stick, and TIG welding processes available, as well as arc gouging.





UP TO 2 mm SOLID WIRE SIZE — WELDS 2 mm SOLID WIRE AND 2.4 mm CORED WIRE

COMES WITH A FULL RANGE OF STICK CAPABILITIES

60% DUTY CYCLE — RUNS 400 TO 820 A AT 60% DUTY CYCLE

CIRCUITRY INVERTER — BUILT WITH INVERTER TECHNOLOGY FOR OUTSTANDING ARC PERFORMANCE AND ENERGY SAVINGS.

WeldCloud™

Integrates with WledCloud software.

IP23 RATED

MULTI-PROCESS WELDERS

WARRIOR 500i CC/CV

500A

- Multi-process power source
- 500 A @ 60% duty cycle
- IP23 rated
- Advanced gouging capabilities
- +IP54 rated feeder
- Advanced Arc Control



Specifications	
Part Number	A465350880
Certifications	CE, CSA
Voltage	380 – 575 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	59 kg

WARRIOR 750i CC/CV

750A



- Multi-process power source
- 750 A @ 100% duty cycle
- IP23 rated
- Advanced gouging capabilities
- +IP54 rated feeder
- Advanced Arc Control

Specifications	
Part Number	0445555881
Certifications	CE, CSA
Voltage	380 – 440 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	105 kg

REBEL EMP 320ic

320A

- Multi-process power source
- 320A @ 40% duty cycle
- 4-wheel, 20.3 m/min wire feed speed
- TFT DISPLAY
- Dual Gas Inlet Valves and Tig Gas Outlet Vlave
- Advanced Arc Control -sMIG Technology



Specifications	
Part Number	0700300991
Certifications	CE, CSA
Voltage	380 – 575 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	31.4 kg

MIG WELDERS (GMAW)

350A

RUSTLER
EM350C MIG PRO SYNERGIC



- Durable Housing with flexible accessories storage
- 350A @ 40% duty cycle
- Premium 4WD (Ø 38 mm) feeding mechanism
- Intuitive Panel
- Built-in MMA welding Mode
- Superb arc characteristics

Specifications	
Part Number	0448350992
Certifications	CE / UKCA
Voltage	380 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	63 kg



500A

FABRICATOR
EM500I



- Lower Cost of Operation
- 500A @ 60% duty cycle
- Durable, IP23S rating
- Variable inductance control for better arc performance
- Wide voltage tolerance for stable welding output
- Superb arc characteristics

Specifications	
Part Number	0700020002
Certifications	CCC
Voltage	380-440 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	62 kg



WIRE FEEDERS

ROBUSTFEED AVS
A VERSATILE VOLTAGE-SENSING WIRE FEEDER FOR USE WITH ANY CV OR CC WELDING POWER SUPPLY

500A

- Quick-change, four-roll drive reduces downtime and provides consistent feeding results
- Digital meters for Voltage and WFS ensure more arc time
- Durable, drop-proof housing that withstands demanding applications
- Weatherproof, enclosed design that withstands rain from all directions

Specifications	
Part Number	0446700881
Certifications	CE,CSA,RCM,CCC,EAC,IEC
Input Voltage	14 - 100 VDC
Protection Class	IP54
Weight	18.37 kg



ROBUSTFEED PRO
ULTIMATE ROBUSTNESS AND PORTABILITY

550A



- Quick-change, four-roll drive reduces downtime and provides consistent feeding results
- Digital meters for Voltage and WFS ensure more arc time
- Durable, drop-proof housing that withstands demanding applications
- Weatherproof, enclosed design that withstands rain from all directions

Specifications	
Part Number	0445800883
Certifications	CE, CSA
Input Voltage	42 VAC
Protection Class	IP54
Weight	16.8 kg

FABRICATOR FEED 364

500A

- Simple panel - easy to operate.
- Robustness - Constructed of thick and resistant steel that guarantees durability in the most aggressive environments.
- Mechanism - Robust wire feeding mechanism with 4 pulleys that guarantees durability and efficiency in traction.

Specifications	
Part Number	0700020004
Speed	2.2-25m/min
Voltage	24 V
Wire Diameter	0.8-1.6 mm
Weight	15 kg



TIG WELDERS (GTAW)

FABRICATOR ET 410iP

HEAVY-DUTY HF TIG PULSE INDUSTRIAL INVERTER WELDER

410A

- IGBT based inverter-controlled power source
- 410A @ 60% duty cycle
- Easy-to-read and quick-to-set panel
- In-built High Frequency unit for easy arc initiation and Start Pulse (micro pulse)
- Voltage Reduction Device (VRD) for enhance Safety.



Specifications	
Part Number	0447101880
Enclosure Class	IP23S
Voltage	400 V, 3-phase, ±20%
Supply Frequency	50/60 Hz
Weight	35.2 kg

ROGUE ET 230iP AC/DC

ADVANCED FEATURES, DELIVERED SIMPLY

230A



- Various AC/DC waveforms for optimal energy transfer
- 230A @ 30% duty cycle
- TIG AC and DC pulse up to 200 Hz
- Built-in PFC circuit ensures a stable arc, even with extra-long input cables, up to 100 m

Specifications	
Part Number	0700500214
Enclosure Class	IP23
Voltage	115/230 VAC, 3-phase, ±15%
Supply Frequency	50/60 Hz
Weight	19 kg

ROGUE ET 201iP PRO

PORTABLE SOLUTIONS FOR PROFESSIONAL WELDING

200A

- High Frequency TIG start
- 200A @ 25% duty cycle
- Pulse SMAW functionality
- Advanced TIG parameter control to match every application and pulse feature up to 500 Hz
- Built-in PFC circuit ensures a stable arc, even with extra-long input cables, up to 100 m



Specifications	
Part Number	0705002015
Enclosure Class	IP23S
Voltage	115/230 VAC, 3-phase, ±15%
Supply Frequency	50/60 Hz
Weight	9.6 kg

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

TIG WELDERS (GTAW)

RENEGADE

ET 210iP PULSE ADVANCED

210A



- Durable Housing with IP23 rating
- 210A @ 25% duty cycle
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Dual-current mode
- Built-in PFC circuit to ensure a stable arc, even with extra long cables, up to 100 m
- Superb arc characteristics

Specifications	
Part Number	0447750880
Enclosure Class	IP23
Voltage	115/230 VAC, 3-phase, ±15%
Supply Frequency	50/60 Hz
Weight	11 kg

RENEGADE

ET 300I PULSE

300A



- Durable Housing with IP23 rating
- 300A @ 60% duty cycle
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Dual-current mode
- Built-in PFC circuit to ensure a stable arc, even with extra long cables, up to 100 m
- Superb arc characteristics

Specifications	
Part Number	0445100920
Enclosure Class	IP23
Voltage	230-480 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	16.9 kg

STICK WELDERS (SMAW)

410A

FABRICATOR
ES 410IC



- Equipped with Hot Start and Arc Force
- 410A @ 60% duty cycle
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Built-in Anti-Stick function
- Inverter controlled
- Superb arc characteristics

Specifications	
Part Number	0447100880
Enclosure Class	IP23
Voltage	440 VAC, 3-phase, ±15%
Supply Frequency	50/60 Hz
Weight	35.2 kg

300A

RENEGADE
ES 300I



- Durable Housing with IP23 rating
- 300A @ 40% duty cycle
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Intuitive interface
- Superb arc characteristics

Specifications	
Part Number	0445100880
Enclosure Class	IP23
Voltage	230-480 V, 3-phase, ±10%
Supply Frequency	50/60 Hz
Weight	16.9 kg

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

STICK WELDERS (SMAW)

200A

ROGUE
ES 210IP PRO



- Durable Housing with IP23S rating
- 200A @ 25% duty cycle
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Dual-Voltage input
- Built-in PFC circuit to ensure a stable arc, even with extra long cables, up to 100 m
- Superb arc characteristics

Specifications	
Part Number	0705002014
Enclosure Class	IP23
Voltage	120/230 VAC, ±15%
Supply Frequency	50/60 Hz
Weight	8.25 kg

160A

HANDYARC
3.25I



- Durable Housing with IP21S rating
- 16A @ 20% duty cycle
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Flawless weldability and easy arc opening – welds electrodes up to 3.25 mm, including 7018.
- Extreme versatility – Weld all types of materials, including carbon steel, aluminium, chrome alloys and nickel.

Specifications	
Part Number	734009
Enclosure Class	IP21S
Voltage	220 VAC, ±10%
Supply Frequency	50/60 Hz
Weight	3.7 kg

ENGINE DRIVEN WELDERS

KHM 525 CC/CV

500A

DIGITALLY CONTROLLED ENGINE DRIVEN WELDING / ELECTRIC POWER UNITS FOR THE TOUGHEST, PROFESSIONAL, HEAVY-DUTY REPAIR, MAINTENANCE AND ASSEMBLY WORK



- Digital control of the welding current
- Multi process welder:
  - SMAW: Shielded Metal Arc Welding (MMA)
  - GMAW:Gas Metal Arc Welding (MIG)
  - FCAW: Flux Cored Arc Welding
  - GTAW: Gas Tungsten Arc Welding (TIG scratch start)
- Low welding current range (50%) in C.C. mode
- Auxiliary power (up to 16 kVA) available during welding
- Ground Fault Interrupter protection
- Large (60 l) fuel tank for up to 14 hours operation
- VRD (Voltage Reduction Device)
- Perkins, water cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature/ over speed/low fuel/battery charge)



Specifications	
Part Number	0700490000
Engine	Perkins 404 C-22G
Speed	1500 rpm
Fuel Tank	60 Liters
Dimensions LxWxH	1720x980x1110 mm

FOR HEAVY DUTY WORKS

For the toughest environments needing high capacity. The wide working range together with the possibility for carbon arc gouging makes it possible to perform a large variety of work in environments where it is difficult or impossible to connect to the mains supply. KHM 525 are equipped with a powerful and efficient water-cooled Perkins diesel engine with battery and electric start.

CC - MMA and TIG WELDING

With a welding current of up to 500 A this machine welds electrodes up to 8 mm. Using the Arc force control you can fine tune the characteristics of the machine and weld difficult electrodes, such as cellulosic, with excellent result. The low 10A minimum current allows welding with very small electrodes and a wide range of TIG welding applications with scratch start.

KHM 525 can also be used for carbon arc gouging.

CV – MIG/MAG WELDING

The digital control of the welding current gives KHM 525 excellent performance in MIG/MAG welding. You can use the portable MobileFeed wire feeder or install an optional wire feeder adapter to use the machine with wire feeders.

AUXILIARY POWER

Electricity is often needed to carry out the complete job. Drilling, grinding, drying electrodes and lighting are a fewexamples. KHM 525 have a built in brushless, maintenance free, asynchronous generator that supplies up 16 kVA three phase 400V or 12 kVA single phase 230 V power even when welding. A voltmeter shows the actual supply voltage. The units are equipped with earth fault protection for added safety.

LEAD THE CHARGE INTO THE VOLTAGE

RENEGADE VOLT

No cords. No fuel. No limits.

Renegade VOLT™ ES 200i is ESAB's newest machine to join the light industrial lineup – bringing a whole new age of welding productivity with it as the first and only to run on DeWALT® FLEXVOLT® batteries. Workshop to worksite, stick to TIG, this is the age of true cordless welding with power and performance that will transform the way you weld forever. **What will you strike first?**

ESAB

POWERED BY DEWALT FLEXVOLT

MAX OUTPUT 150 AMPS
MAX OUTPUT 200 AMPS
HYBRID MODE Amp+
WELD CAPACITY 30 min 30 ELECTRODES
HOT SWAP
POWER SOURCE 22 lb.
BATTERY BOX 28 lb. WITH BATTERIES

MIG TORCHES

EXEOR PSF TORCHES
ENGINEERED FOR COMFORT.

Reduce welder fatigue while improving weld quality with Exeor torch and longer-lasting consumables.

- Ergonomic design for all-day comfort
- Efficient cooling system that reduces heat while extending consumable lifetime



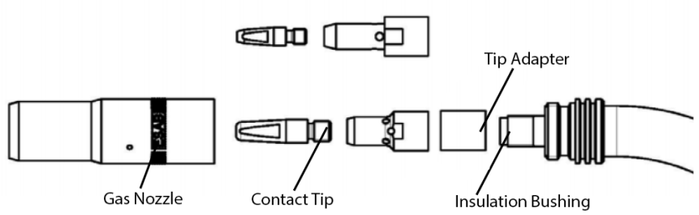
EXEOR PSF TORCHES
MIG/MAG INDUSTRIAL SERIES

PSF

- Threaded gas nozzle secures a firm fit and better heat dispersion
- Durable wear part system with robust tip adapter and long tips for the toughest applications
- CuCrZr contact tips for long lifetime
- Exeor PSF variants are prepared for remote modules
- Modern look and feel, as well as improved performance



Specifications		
DESCRIPTION	**EXEOR PSF 315**	**EXEOR PSF415**
Cooling	Gas	Gas
Welding Output Mixed Gas	260 A at 60%	280 A at 60%
Welding Output CO2	290 A at 60%	310 A at 60%
Wire Diameter	0.8 – 1.2 mm	0.8 – 1.6 mm
Certification Mark (Standards)	CE (IEC 60974-7)	CE (IEC 60974-7)
Operating Temperature	-10 to +40 °C	-10 to +40 °C
Cable Length	3 m, 4 m, 5 m	3 m, 4 m, 5 m



TIG TORCHES

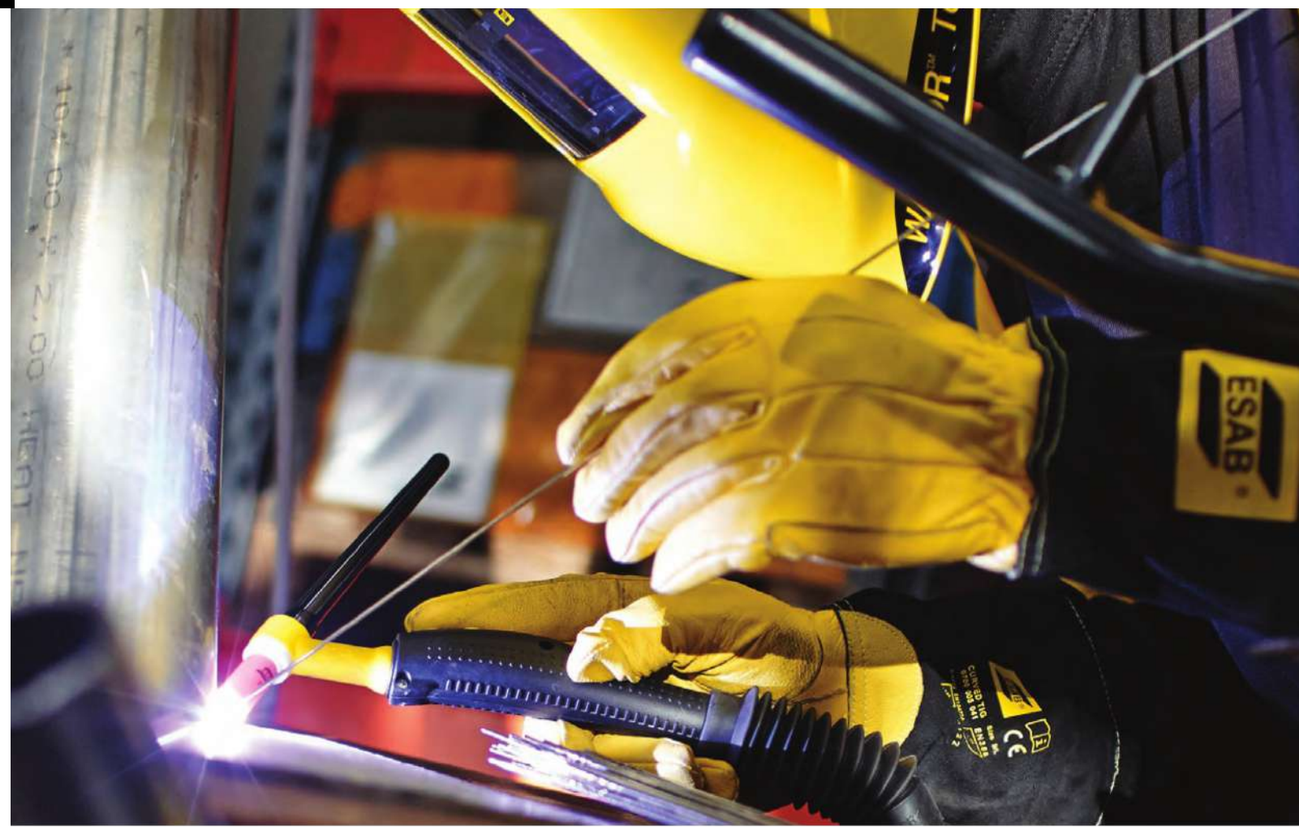
TXH 26V TIG TORCHES
MULTI-FUNCTIONAL AND ERGONOMIC

TXH

- TXH torches are designed to provide the utmost in convenience, versatility, and ergonomics to the weldeR
- The torch heads are manufactured with high temperature resistant silicone rubber insulation
- All copper components ensure cooler running temperatures and maximum current capacity
- Integrated dual soft grips ensure the handle remains in place with minimal grip pressure



Specifications	
DESCRIPTION	**TXH 26V**
Cooling	Air
Current Rating	200 A at 60%
Protection Class	IP3X
Electrode Diameter	2.4 – 4.0 mm
Operating Temperature	-10 to +40 °C
Cable Length	4 m, 8 m



TWECO®
AN **ESAB**® BRAND



WELDERS JUST FEEL MORE CONFIDENT WITH A TWECO IN THEIR HAND.

In 1936, the Townsend Welding Equipment Company was born in the basement of Ray Townsend's Wichita, Kansas home. Since then, Tweco has grown to be a world leader in producing quality welding equipment and accessories.

Tweco has produced more than two million MIG guns and is an industry leader in MIG guns and lead cables, manual arc welding electrode holders, consumables and accessories.

Tweco products have been the reliable, dependable tools that everyone from the Do-It -Yourselfer to the expert welding professional has trusted. Tweco is the name you know you know and trust, for over 80 years.

Tweco® - a world leader in welding for over 80 years.

MIG ARC WELDING ACCESSORIES AND MIG GUNS



ARCAIR®

AN **ESAB**® BRAND



INDUSTRIAL CUTTING AND GOUGING EQUIPMENT

GOUGING TORCHES

K 3000

ARCAIR
MANUAL GOUGING TORCH



- Medium Duty - General repair and maintenance jobs such as mining, construction, and all types of metal fabrication.
- Natural 15˚ Torch Angle for greater operator comfort
- Durable Front Insulators- High impact and heat resistant protecting the torch metal parts.
- 360˚ Swivel Cable -Less cable twist
- Positive Grip Handle -Operators feel ease in positioning the torch.

Specifications	
Amperage Range	90-600 amps
Electrode Sizes	3.2mm-15.9mm
Air Requirement	80 psi

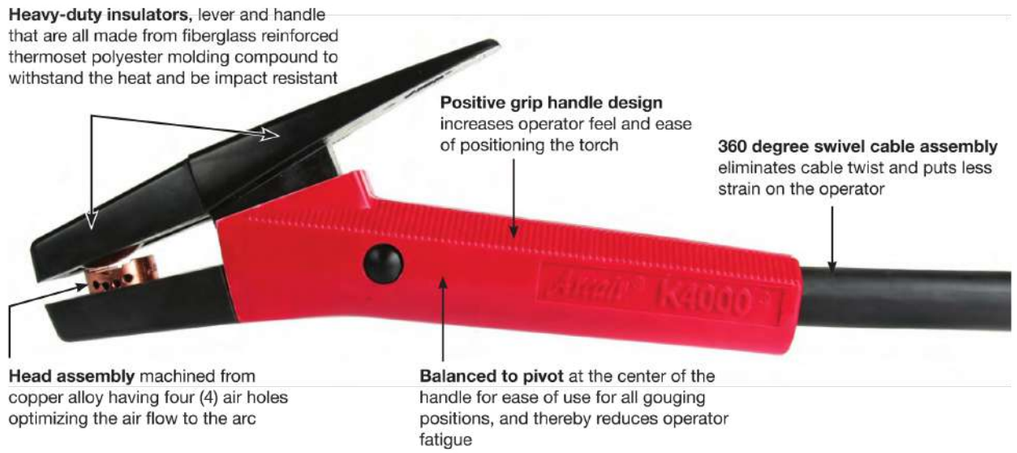
K 4000

ARCAIR
MANUAL GOUGING TORCH



- Heavy Duty - Heavy metal removal applications such as weld preparations in pressure vessel shops and shipyards.
- Natural 15˚ Torch Angle for greater operator comfort
- Durable Front Insulators- High impact and heat resistant protecting the torch metal parts.
- 360˚ Swivel Cable -Less cable twist
- Positive Grip Handle -Operators feel ease in positioning the torch.

Specifications	
Amperage Range	90-1000 amps
Electrode Sizes	4.0mm-15.9mm
Air Requirement	80 psi



WELDING ACCESSORIES & CONSUMABLES

ELECTRODE HOLDER 500A E



ELECTRODE HOLDER 500A



ELECTRODE HOLDER 750A



COLLET & COLLET BODY



CERAMIC NOZZLES



CABLE CONNECTORS



TUNGSTEN RODS



SHORT & LONG BACK CAP



CHIPPING HAMMER



EARTH CLAMP



SCREW TYPE EARTH CLAMP



QUIVERS AND OVENS

PORTABLE ELECTRODE QUIVER

Model No.	DS-5
SKU	0700011086
Electrode Capacity	5 Kg
Voltage	220V
Temperature Range	140°C
Wattage	90W



STATIONARY BAKING & HOLDING OVENS

Model No.	SDE-50	SDE-100	SDE-250
Electrode Capacity	50 Kg	100 Kg	250 Kg
Voltage	3ph 380 - 415 V (1ph 220 - 250 V)	3ph 380 - 415 V	3ph 380 - 415 V
Temperature Range	400°C Max	400°C Max	400°C Max
Weight	75kg	90kg	225kg



FLUX BAKING & HOLDING OVENS

Model No.	JS 200
Electrode Capacity	200 Ltr
Voltage	230V
Temperature Range	300°C Max
Output (KW)	2 K
Weight	110kg















VICTOR®

AN **ESAB**® BRAND

THE LEADER IN GAS EQUIPMENT FOR MORE THAN A CENTURY.

Victor's tradition of unparalleled safety, performance and reliability remains a cornerstone of the brand.

Victor Technologies™ provides superior solutions for cutting, gas control and specialty welding equipment. We serve a variety of industries including automotive, construction, education, energy, fabrication, farm and ranch, maintenance/repair, manufacturing, mining and transportation.



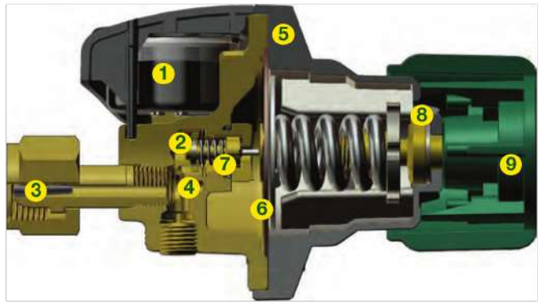
ATLAS ADVANCED INDUSTRIAL EQUIPMENT

GAS REGULATORS

EDGE™ SERIES

Innovative EDGE Series Regulators Offer Safety and Advanced Design

Victor has been the leader in gas equipment for one hundred years, and its tradition of unparalleled safety remains a cornerstone of the brand today. With the Victor Professional EDGE Series Regulators, Victor continues to offer the safest, most reliable and highest quality gas control technology, giving you more value for your purchase. In addition, standardized designs and components throughout the EDGE family greatly simplify regulator service and repair.



1. Gauges are recessed into the body for the highest level of safety and protection possible
2. More efficient internal flow paths translate to improved flow consistency from full to empty cylinder
3. Same sintered inlet filter used in all Victor industrial regulators
4. Innovative design elements enable the regulator to meet or exceed oxygen-related safety standards CGA E-4, UL 252, and the stringent ASTM G-175 Promoted Ignition Test
5. Housing cap is made from high strength zinc-aluminum alloy that has nearly twice the yield strength of forged brass
6. Time-tested fabric reinforced neoprene diaphgram provides superior sensitivity and control
7. Seat assembly and friction damper are the same tried and true components used for decades in SR 350 and SR 450
8. Internals remain protected from weather elements through an internal vent system protected under the knob, which is channeled to promote water run-off
9. SLAM™ Knob designed with multi-stage crumple zones which absorb impact energy in the event the cylinder falls over. Helps protect pressure integrity of both regulator and cylinder valve.



Single Impact Point



Shock Absorbing Knob

EDGE 2.0 SERIES REGULATORS

High and Medium Capacity, Single Stage Regulators

Victor EDGE™ Series 2.0 patented regulators are second generation, heavy duty, high capacity single stage cylinder regulators that reset the standard for industrial regulators.

New and improved gauge designs incorporate larger faced delivery gauge (low pressure) with high contrasted colored face for easy setting. Enhanced color-coded knob designs provide more comfortable operations.

Air, Oxygen, Inert Gas, Methane, Hydrogen, Carbon Dioxide, Acetylene and LP Gas (see ordering information).

- Forged brass body
- External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on low pressure fuel gas models).
- Fully enclosed, highly visible modular gauges for more clarity with robust metal gauge guard
- Extra large 2 ½ in. (63.5 mm) delivery gauge and stainless steel diaphragm
- Robust seat gives optimum performance
- Consistent pressure and flow delivery
- High resistance to oxygen related fires and SLAM knob absorbs impact in the event of a cylinder fall





ESS42 EDGE 2.0

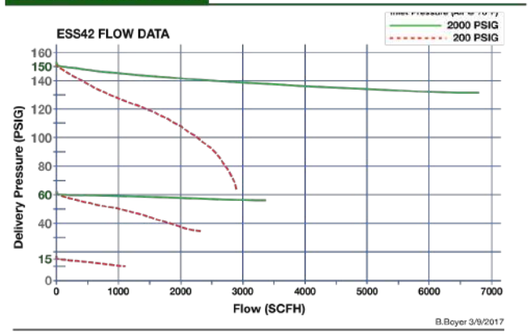
High Capacity, Single Stage

Design/Construction

- Fully enclosed, highly visible modular gauges for more clarity with robust metal gauge guard
- Extra large 2 ½ in. (63.5 mm) delivery gauge and stainless steel diaphragm
- Robust seat gives optimum performance
- Consistent pressure and flow delivery
- High resistance to oxygen related fires and SLAM knob absorbs impact in the event of a cylinder fall



ESS42 Flow Data



Specifications

Dimensions L x W x H	Weight
4 x 6 x 4 in. (101.6 x 152.4 x 101.6 mm)	4.0 lbs (1.81kg)

Ordering Information

Gas Service	Part No.	Model No.	Delivery Range (psig)
Air, Oxygen, Inert Gas	0781-3600	ESS42-60-540 Oxygen	2-60
	0781-3601	ESS42-150-540 Oxygen	5-150
	0781-3613	ESS42-150-346 Air	5-150
	0781-3614	ESS42-150-590 Air	5-150
	0781-3609	ESS42-150-580 Inert Gas	5-150
Methane/Hydrogen	0781-3612	ESS42-150-350	5-150
Acetylene	0781-3602	ESS42-15-510	2-15
	0781-3603	ESS42-15-300	2-15
	0781-3604	ESS42-15-993	2-15
	0781-3605	ESS42-15-410	2-15
L.P. Gas	0781-3606	ESS42-60-510LP	2-60
	0781-3607	ESS42-150-510LP	2-150
Carbon Dioxide	0781-3615	ESS42-150-320	5-150

ESS32 EDGE 2.0

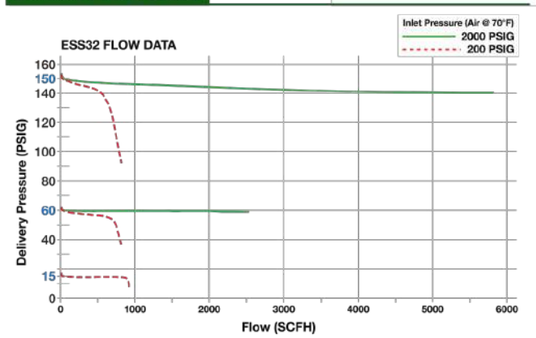
Medium Capacity, Single Stage

Design/Construction

- Fully enclosed, highly visible modular gauges for more clarity with robust metal gauge guard
- Large 2 in. (50.8 mm) delivery gauge
- Robust seat gives optimum performance
- Consistent pressure and flow delivery
- High resistance to oxygen related fires and SLAM knob absorbs impact in the event of cylinder fall



ESS32 Flow Data



Specifications

Dimensions L x W x H	Weight
4 x 6 x 4 in. (101.6 x 152.4 x 101.6 mm)	4.0 lbs (1.81kg)

Ordering Information

Gas Service	Part No.	Model No.	Delivery Range
Air, Oxygen, Inert Gas	0781-3627	ESS32-60-540 S/S Oxygen	0-60 psig
	0781-3626	ESS32-150-540 S/S Oxygen	0-150 psig
	0781-3633	ESS32-60-580 Inert	0-60 psig
	0781-3634	ESS32-60-580 Inert	0-150 psig
	0781-3637	ESS32-150-346 S/S Air	0-150 psig
Methane/ Hydrogen	0781-3635	ESS32-60-350 S/S Hydrogen	0-60 psig
	0781-3636	ESS32-150-350 S/S Hydrogen	0-150 psig
Acetylene	0781-3628	ESS32-15-510 S/S Acetylene	0-15 psig
	0781-3629	ESS32-15-300 S/S Acetylene	0-15 psig
L.P. Gas	0781-3631	ESS32-60-510LP S/S LP	0-60 psig
Carbon Dioxide	0781-3638	ESS32-150-320 S/S CO2	0-150 psig
Ar-CO2	0781-3641	ESS32-80CFH-580 Ar-CO2 Flowgauge	0-80 cfh
	0781-3642	ESS32-80CFH-320 Ar-CO2 Flowgauge	0-80 cfh

CUTTING AND HEATING SETS

JOURNEYMAN®
EDGE 2.0
Cutting, Heating and Welding Outfit



- Cuts up to 8 in. (203.2 mm), welds up to 3 in. (76.2 mm) with accessories
- Up to 1,118,000 BTUs/hour heating
- ESS42 Series regulators
- WH 315FC+ torch handle with built-in flash arrestors and check valves
- CA 2460+ cutting attachment
- Also includes cutting tip, tip cleaner, heating nozzle, striker, goggles, hose, welding nozzles and two EDGE 2.0 regulators (Oxygen & Fuel Gas)

Ordering Information

Part No.	Description	Torch Handle	Cutting Attachment	Welding Nozzle	Heating Nozzle	Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Hose	Accessories	Gas Service
0384-2100	Journeyman EDGE 2.0 540/300, 90° Plus Outfit	WH315FC+	CA 2460+ 90° Head	1-W 3-W 5-W	8-MFA	1-1-101	ESS42-150-540	ESS42-15-300	1/4" x 20' Grade "T"	Goggles, Striker, Tip Cleaner	Acetylene
0384-2101	Journeyman EDGE 2.0 540/510, 90° Plus Outfit	WH315FC+	CA 2460+ 90° Head	1-W 3-W 5-W	8-MFA	1-1-101	ESS42-150-540	ESS42-15-510			Acetylene

JOURNEYMAN® II
EDGE 2.0
Cutting and Welding Outfit



- Cuts up to 8 in. (203.2 mm), welds up to 3 in. (76.2 mm) with accessories
- ESS42 Series regulators
- WH 315FC+ torch handle with built-in flash arrestors and check valves
- CA 2460+ cutting attachment
- Also includes cutting tip, tip cleaner, heating nozzle, striker, goggles, hose, welding nozzles and two EDGE 2.0 regulators (Oxygen & Fuel Gas)

Ordering Information

Part No.	Description	Torch Handle	Cutting Attachment	Welding Nozzle	Heating Nozzle	Cutting Tip	Oxygen Regulator	Fuel Gas Regulator	Hose	Accessories	Gas Service
0384-2110	Journeyman II EDGE 2.0 540/300, 90° Plus Outfit	WH315FC+	CA 2460+ 90° Head	2-W	-	1-1-101	ESS42-150-540	ESS42-15-300	1/4" x 20' Grade "T"	Goggles, Striker, Tip Cleaner	Acetylene
0384-2111	Journeyman II EDGE 2.0 540/510, 90° Plus Outfit	WH315FC+ 0382-0093	CA 2460+ 90° Head	2-W	-	1-1-101	ESS42-150-540	ESS42-15-510			Acetylene
0384-2112	Journeyman II AF EDGE 2.0 540/510LP, 90° Plus Outfit (propane)	WH315FC+	CA 2460+ 90° Head	-	8 Type 55	1-GPN	ESS42-150-540	ESS42-60-510LP			Propane/ NG
0384-2113	Journeyman II AF EDGE 2.0 540/510LP, 90° Plus Outfit (propylene)	WH315FC+	CA 2460+ 90° Head	-	8 Type 55	1-GPP	ESS42-150-540	ESS42-60-510LP			Propylene

FLASH BACK ARRESTORS

FLAMEBUSTER™ HIGH FLOW

FBHC-O
High Flow Torch Mount



FBHC-OR
High Flow Regulator Mount



FBHC-OC
High Flow Torch Mount



FBHC-ORC
High Flow Regulator Mount



FLAMEBUSTER™

FB-O
Torch Mount - Oxygen



FB-OR
Regulator Mount – Oxygen



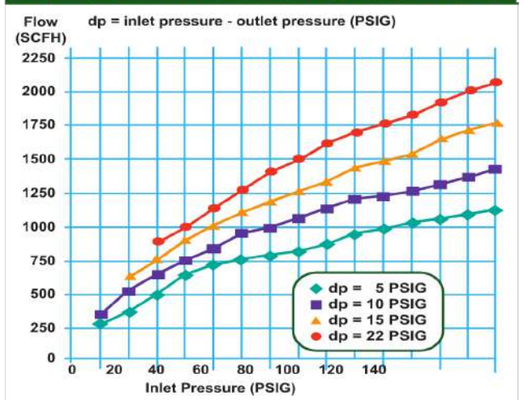
FB-F
Torch Mount – Fuel



FB-FR
Regulator Mount – Fuel



FLOW Chart - FBHC Series Flashback Arrestor



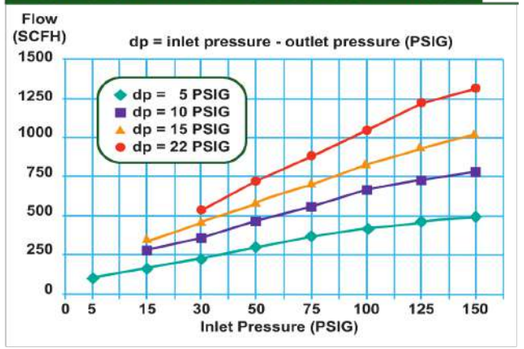
Ordering Information

Part No.	Model No.	Gas	Description	Connection
Oxygen – Torch Mount (Torch mount models also protect hose)				
0657-0076	FBHC-O	Oxygen	Torch Mount - High Flow	"B" 9/16"-18 RH (CGA 022)
0657-0077	FBHC-OC	Oxygen	Torch Mount - High Flow	"C" 7/8" - 14 RH (CGA 024)
Oxygen – Regulator Mount				
0657-0078	FBHC-OR	Oxygen	Regulator Mount - High Flow	"B" 9/16" - 18 RH (CGA 022)
0657-0079	FBHC-ORC	Oxygen	Regulator Mount - High Flow	"C" 7/8" - 14 RH (CGA 024)

Flow rates shown in chart are for air. To convert to other gases, multiply the air flow rate by the conversion factor listed.

Nothing can take the place of proper equipment operation. Always read, understand and follow the instructions provided with each product.

FLOW Chart - FB Series Flashback Arrestor



Ordering Information

Part No.	Model No.	Gas	Description	Connection
Oxygen – Torch Mount				
0657-0010	FB-O	Oxygen	Torch Mount	"B" 9/16"-18 RH (CGA 022)
Oxygen – Regulator Mount				
0657-0014	FB-OR	Oxygen	Regulator Mount	"B" 9/16"-18 RH (CGA 022)
Fuel – Torch Mount				
0657-0011	FB-F	Fuel	Torch Mount	"B" 9/16"-18 LH (CGA 023)
Fuel – Regulator Mount				
0657-0015	FB-FR	Fuel	Regulator Mount	"B" 9/16"-18 LH (CGA 023)
Pair Packs				
0656-0001	FB-1	Oxy/Fuel	Torch Mount	"B" 9/16"-18 RH/LH (CGA 022 & 023)
0656-0004	FBR-1	Oxy/Fuel	Regulator	"B" 9/16"-18 RH/LH (CGA 022 & 023)

Flow rates shown in chart are for air. To convert to other gases, multiply the air flow rate by the conversion factor listed.

Nothing can take the place of proper equipment operation. Always read, understand and follow the instructions provided with each product.

Victor® add-on flashback arrestors contain botha reverse flow check valve and a flashback arrestor.

CUTTING TIPS

A
Acetylene

SERIES 1
ACETYLENE CUTTING TIPS

Series 1 tip style, fuel gas usage and Victor equipment compatibility shown below

Type	Fuel Gas	Application
101	A	■ General purpose ■ Hand and machine torch cutting
101 30°	A	■ General purpose ■ Hand and machine torch cutting 30°, with torch perpendicular
101-L	A	■ General purpose, extra length tips
108	A	■ Boiler tube removal ■ Tips are short to insert head and tip inside tube
112	A	■ Cutting close to bulk heads ■ Hand cutting of rivet heads
118 Tip (Round)	A	■ Deseaming, scarfing, gouging, weld preparation, removing defective welds, washing rivets
118 Tip (Sides Cutaway)	A	■ Deseaming, scarfing, gouging, weld preparation, removing defective welds, washing rivets

Tip packaging is color coded with reference to fuel gas usage. Other special application tips available. Contact Technical Services at 1-800-426-1888



Data compiled using mild steel as test material.

**Applicable for three hose machine torch only. With a two hose cutting torch, preheat pressure is set by the cutting oxygen.*

***For best results use ST 2600FC series torches and 3/8 in. hose when using tip size 6 or larger.*

****All pressures are measured at the regulator using 25 ft x 1/4 in. hose through tip size 5 and 25 ft x 3/8 in.*

*****Oxygen consumption is 1.1 times the acetylene under neutral flame conditions.*

WARNING: At no time should the withdrawal rate of an individual acetylene cylinder exceed 1/7 of the cylinder contents per hour. If additional flow capacity is required use an acetylene manifold system of sufficient size to supply the necessary volume.

CUTTING TIPS

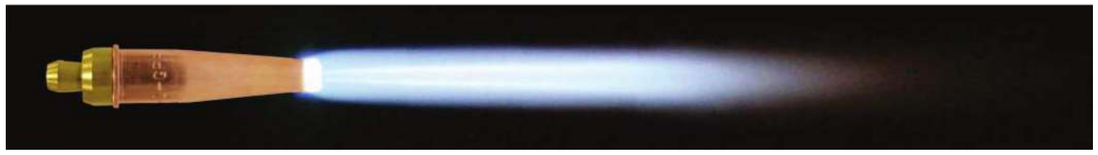
P
Propylene

SERIES 1
PROPYLENE CUTTING TIPS

Series 1 tip style, fuel gas usage and Victor equipment compatibility shown below

Type	Fuel Gas	Application
GPP	P	■ General purpose ■ Hand and machine torch cutting
HPP	P	■ Heavy preheat for scrap, bevel and other heavy preheat requirements
MTHP	P	■ High speed machine cutting through 10" (252 mm)
303MP	P	■ General purpose ■ Hand and machine torch cutting
	P	■ High performance ■ Bevel cutting
GTB	P	■ Gouging tip (bent) ■ Removing welds
318MP	P	■ General purpose ■ Gouging and rivet washing

Tip packaging is color coded with reference to fuel gas usage. Other special application tips available. Contact Technical Services at 1-800-426-1888



CUTTING TIPS

LP

Propane
Natural Gas

SERIES 1
LP CUTTING TIPS

Series 1 tip style, fuel gas usage and Victor equipment compatibility shown below

Type	Fuel Gas	Application
200	LP	■ General purpose ■ Hand and machine torch cutting
207	LP	■ Used for "blowing" rivets ■ Popular with various railroad applications
244	LP	■ Cutting close to bulk heads ■ Rivet cutting
MCN	LP	■ For application requiring extra heavy pre-heat and wide kerf
GPN	LP	■ General purpose ■ Hand and machine torch cutting
MTHN	LP	■ High speed machine cutting through 10" (252 mm)
HPN	LP	■ Heavy preheat for scrap, bevel and other heavy preheat requirements
BTN	LP	■ Heavy performance bevel cutting for use with mild steel HSLA, T1 and HV-80
CSN	LP	■ A course splined scrap cutting tip for use with natural gas
GTB	LP	■ Gouging tip (bent) ■ Removal of welds

Tip packaging is color coded with reference to fuel gas usage. Other special application tips available. Contact Technical Services at 1-800-426-1888



GAS ACCESSORIES



REPLACEMENT HOSES



SINGLE FLINT STRIKER



FLINT REFILLS



TIP CLEANER



VCM 200

Portable Cutting Machines

The versatile VCM 200 is a precision, tractor-type machine that can be used on its own track for straight line cutting and a variety of welding operations. Off track and with a radius rod assembly, the VCM 200 can also be used for circle cutting.

- Large thumb screws for hand tight adjustments
- Dual drive controls & direct speed readout
- Cone disc drive
- Constant speed AC induction motor located on the side opposite the torch for cooler, more efficient operation
- Counter-balanced design allows torch racking distance up to 18 in. (457.2 mm) from the machine
- Speed constant over wide range of temperatures
- Torch holder designed for 1.38 in. (35.1 mm) barrel diameter torches
- Flat mounting deck
- **HT (HIGH TEMPERATURE)** Same convenience, portability features and speed of the VCM-200 (Max. temp. 300°F), plus the addition of a heat shield.
- **HS (HIGH SPEED)** Has all the convenience and portability features of the standard VCM-200 machine, plus a speed range of 5-120"/min (12.7-304.8 cm/min). The VCM-200HS has a flat mounting deck.



Specifications

Straight Line / Circle

- Length increments of 72 in. (182.9 cm) (track length)
- Circle diameters 4 in. (101.6 mm) to 96 in. (243.8 cm)

Speed Range

- 1-60 in./minute (25.4 mm-152.4 cm/minute)

Dimensions

- Length - 14.25 in. (362.0 mm)
- Width - 11 in. (279.4 mm) - machine only
  - 28.5 in. (723.9 mm) - machine & torch holder
- Height - 11.5 in. (292.1 mm) - top of torch holder
  - 5.5 in. (139.7 mm) - top of machine

Weight

TORCH HOLDER ADAPTER

Part No. 0252-0138

The Torch Holder Adaptor is used to adapt the Victor® Thermal Dynamics® SL100 180° Degree plasma torches to the VCM mac The torch adaptor allows the machine torch to mount on 1 3/8" mounting tube.





MANUAL PLASMA CUTTING

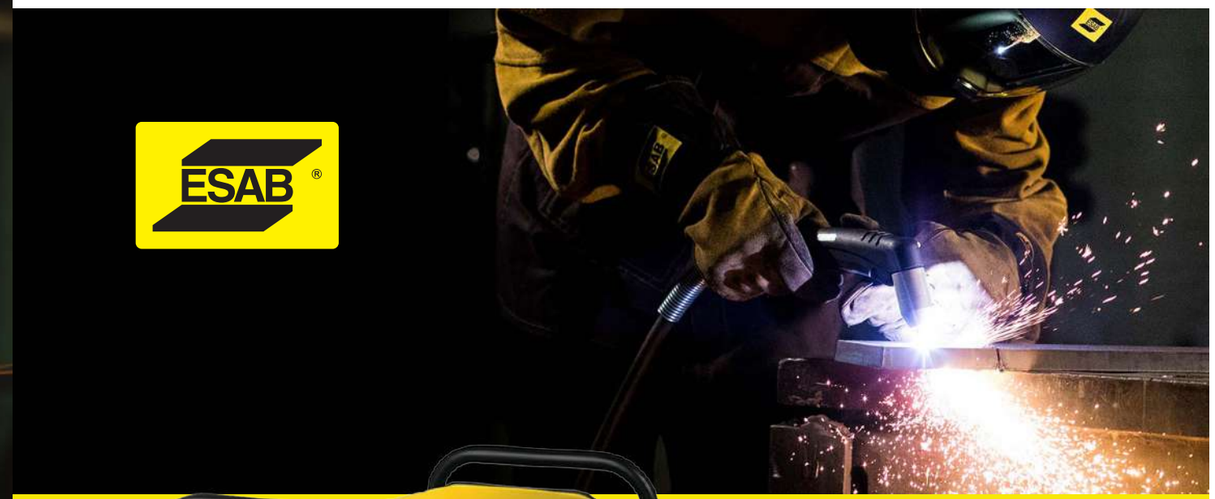
POWER

PORTABILITY

ESAB

CUTMASTER SERIES

CUTMASTER 120





The ESAB Cutmaster 120, weighing only 28 kg and provides 120 amps of cutting power for a 40mm (1-1/2") recommended cut and 55mm (2-1/8") maximum cut. This compact unit, like all other Cutmasters, comes standard with the 1Torch® providing you with the well known comfort and reliability famous throughout the industry. Packages include power source, SL100 1Torch, spare parts kit, air filter/regulator, work cable and clamp and power cable.

- True Cut™– 40mm 1-1/2")
- Quick Disconnect Torch for easy maintenance or machine torch conversion
- Auto-Restrike on mesh or expanded metal for maximum productivity
- True-Guard™ roll bar for ultimate protection
- TD Surelok® technology for better quality cuts and parts life

Specifications / Technical Data	
Recommended Cut	40mm
Maximum Cut	55mm
Pierce Rating	25mm
Max Amperage Output	120A
Output Power	15.4 kW
Dimensions	305mm x 381mm x 762mm
Weight	28.1 kg
Torch Air pressure	5.2 bar
Torch Air consumption	212 l/m
Input voltage	400V - 3 ph, 50/60 Hz
Duty Cycle	40% @ 120A
Amperage Draw	32A @ 400V, 3 ph



Cutmaster 120 action



Plasma Cutting

CUTMASTER 50 +



Cutmaster 50+ is the perfect combination of power and portability for hand-held plasma cutting machines. Plus means more, so we've added a user-friendly 10.9 cm TFT LCD screen and upgraded features that give you even more control and flexibility to master any cut up to 25 mm. Together with the SL60 1Torch, it all adds up to the total plasma cutting package.

- Portable and durable with three handles and lightweight, industrial all-weather housing.
- Quick Disconnect Torch for easy maintenance or machine torch conversion
- Bright 10.9 cm TFT LCD display with glove-friendly adjustment knob simplifies use and provides greater control and flexibility

Specifications / Technical Data	
Recommended Cut	25mm
Maximum Cut	32mm
Pierce Rating	16mm
Max Amperage Output	50A
Dimensions	465 x 200 x 315 mm
Weight	16.5 kg
Input voltage	400V - 3 ph, 50/60 Hz
Duty Cycle	60% @ 50A

CUTMASTER 70 +



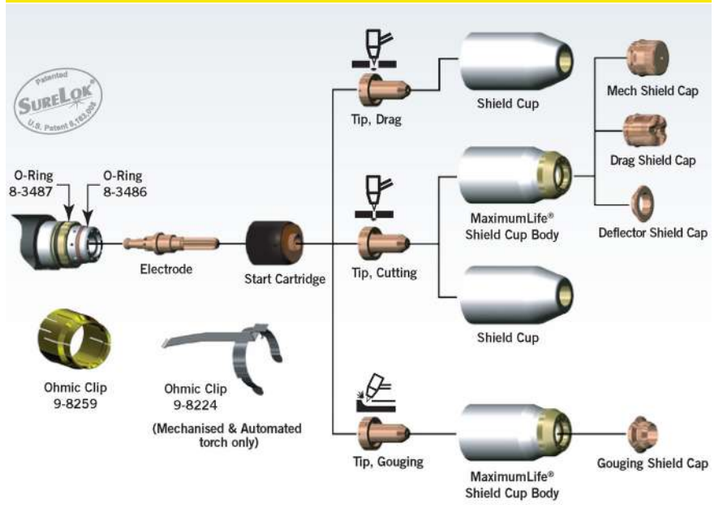
Cutmaster 70+ is the perfect combination of power and portability for hand-held plasma cutting machines. Plus means more, so we've added a user-friendly 10.9 cm TFT LCD screen and upgraded features that give you even more control and flexibility to master any cut up to 30 mm. Together with the SL60 1Torch, it all adds up to the total plasma cutting package

- Portable and durable with three handles and lightweight, industrial all-weather housing.
- Quick Disconnect Torch for easy maintenance or machine torch conversion
- Bright 10.9 cm TFT LCD display with glove-friendly adjustment knob simplifies use and provides greater control and flexibility

Specifications / Technical Data	
Recommended Cut	30mm
Maximum Cut	38mm
Pierce Rating	20mm
Max Amperage Output	70A
Dimensions	465 x 200 x 315 mm
Weight	17 kg
Input voltage	400V - 3 ph, 50/60 Hz
Duty Cycle	50% @ 70A

PLASMA CONSUMABLES & ACCESSORIES

1TORCH® CONSUMABLES.



1TORCH® FEATURES.



Accessories



Cutting Guide Kit (Deluxe)



Single Stage Air Filter Kit



Straight Line Cutting Guide



ATC® Lead Extensions



Remote Pendant Control



Two Stage Air Filter

CUTTING AUTOMATION
CROSSBOW HD



The **first step** to automation.

PLUG-AND-PLAY CUTTING PROCESS

Ready to use. The Crossbow HD comes with rails, CNC controller and arm adaptable for any of your purposes. Connect the machine to a 220V single phase source and choose the cutting process:



Oxy fuel cutting

For oxy fuel cutting, connect the torch to the arm and the gas hoses to the other side. All oxyfuel cables and hoses are protected inside the travel arm. This cannot be used globally.

The Crossbow HD comes with individual solenoid valves to control oxyfuel gases. Thus the operator does not have to manually close or open the direct gas in the torch, making operation safer and easier.



Plasma cutting

For plasma cutting, the connections are even simpler. Simply attach an automated torch to the arm, along with a plasma power source. Plasma interface wiring is plug-and-play.

The power supply cable connection terminal is already Victor standard and also accepts the most common machines on the market.

The Crossbow HD comes with the torch lift system, which works for both plasma and oxyfuel torch.

THE FIRST STEP TO AUTOMATION.

Your manufacturing process needs to start to be automated. Your pieces already follow a pattern and repeatability. Your technicians already have a programming and production routine. Are you ready. The Crossbow HD is designed for your needs. With minimum space requirements and basic investments, you can start standardising production and increase productivity.

Crossbow HD is your first step to automation.



Easy to use

The cables and hoses come with quick couplers and are all accessed on a dedicated piece of equipment. Individual solenoid valves control oxyfuel gas, eliminating manual torch access.

Security

Cables and hoses are protected inside the travel arm and for the electrical part, there is an exhaust fan that guarantees cooling during all use.

Modular System

The rails are modular and the disassembled machine fits easily into a small pickup truck. In addition, assembly is quick and can be done by one technician using simple tools.

Robust Structure

A one-piece steel chassis provides a strong foundation for the rail axis motion, while a sturdy steel weldment mounts the linear guiding bearings for the cross axis motion. Combined with the reinforced cross beam, the motion system ensures smooth, accurat motion.

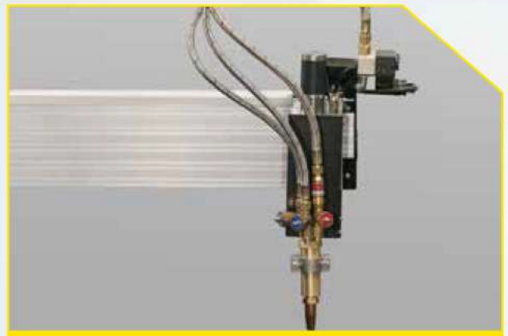
Technical Specifications	
Maximum cutting width	1500mm
Cutting length	3200mm
Maximum arm travel speed	6000mm/min
Total Width of the arm	2430mm
Total length of rails	4000mm
CNC Dimensions (W x L x H)	430 x 650 x 360mm
Weight	142 kg
Input Voltage	1Ø 220V 50Hz

STRUCTURE CONSIDERED **IN EVERY DETAIL.**



ROBUST.

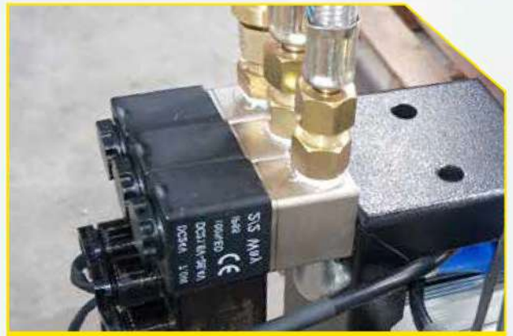
- The Crossbow HD features a sturdy cross-beam with double linear guides mounted to a sturdy weldment that ensures precise and stable motion, even with the arm fully extended.
- Powerful servo motors drive precision gear reducers in each axis, providing high torque, smooth motion, and excellent accuracy.
- A one-piece steel chassis ensures strength, stability, and accuracy.



RELIABLE.

- All hoses and cables are housed within the cross-beam where they are protected from pierce spatter.
- A durable ball screw lifter features a robust gear-motor drive for fast positioning and durability.
- All axis bearings are sealed for life, requiring no lubrication or routine service.

ATLAS ADVANCED INDUSTRIAL EQUIPMENT



SAFE.

- Independent solenoid valves for each gas line make operation easier and safer.
- Rail stops prevent the central unit from sliding off the rails, improving safety when moving the equipment.
- An Emergency Stop button shuts down all operation quickly in case of a problem.



SIMPLE.

- Plug-and-play installation makes it easy to set up the machine and plasma system.
- Simple menu-driven operation makes the CNC easy-to-learn and easy-to-operate.



CUTTING AUTOMATION

COMBIREX PRO

BEST-IN-CLASS SOLUTION
FOR BETTER PRODUCTIVITY.

Combirex PRO does not just meet your expectations—it exceeds them. From superior engineering to reliable performance to advanced technology, the machine is packed with features you would expect from a larger, higher priced system. Plus, a modular design and versatile tool stations allow you to tailor the machine to your precise needs. It all makes Combirex the ideal choice for productive, economical oxy-fuel and plasma cutting and beveling.

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

Heavy-duty design

Sturdy beam with dual-linear rails (Y-axis), heavy-duty crane rails (X-axis), parallel-shaft gearboxes with oversize output shaft and bearings.

Precise positioning

Featuring oversize drives, Dual Linear Rails, and a stiff gantry design, Combirex excels at precision plasma beveling, and small hole cutting.

Dependable performance

Combirex makes it easy to produce high-quality parts thanks to high speeds, excellent accuracy, and smooth motion.

Industry-leading safety

The machine is equipped with an innovative safety package that provides full compliance with EC Machinery Directive.



CUTTING AUTOMATION

COMBIREX PRO
RUGGED AND RELIABLE.

Heavy-duty design

Featuring a reinforced box beam design and all-steel construction, Combirex is an exceptionally strong, durable machine. It also comes in a compact package with extendable lengths to minimise floor space requirements. ESAB's advanced engineering ensures accurate machine motion and a long service life.

- High-stiffness, engineered beam assemblies with dual linear rails
- Redesigned for improved balance and higher machine speed
- Heavy-duty crane rails and steel H-beams for robust and accurate foundation, and long machine life
- Easy installation on any concrete floor
- Suitable for material up to 150mm thick standard



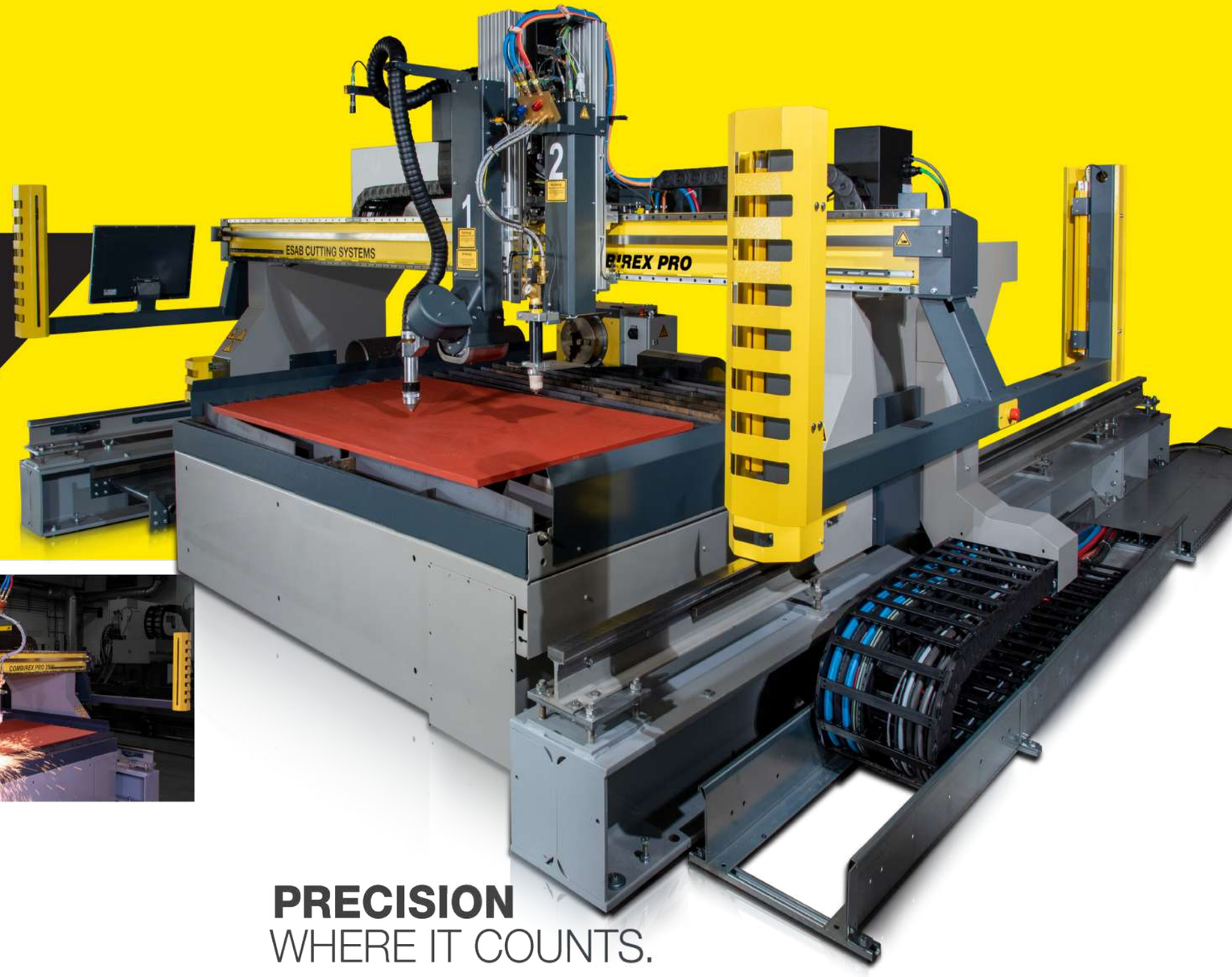


Single-source quality

As a complete automated cutting supplier, ESAB ensures that all components of your machine—including CNC, software, height control, plasma, and gas torches—have been expertly designed and built to work together perfectly. This integration also eliminates the need to mix and match components from different vendors.

Benefits of a single-source supplier:

- Streamlined support
- Lower operating cost over lifetime of system
- Increased reliability
- Simpler maintenance



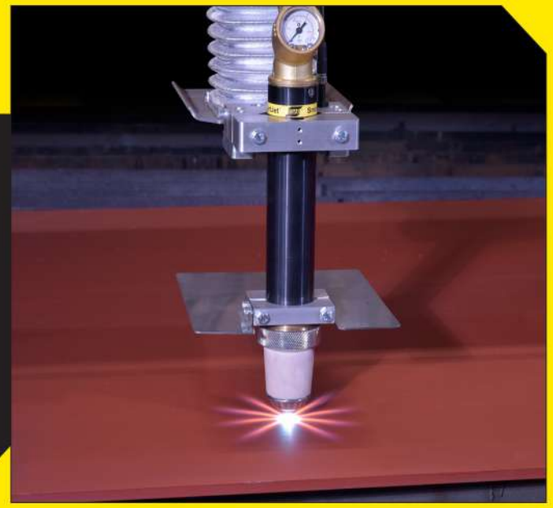
PRECISION
WHERE IT COUNTS.

When producing high-quality parts, there is no room for error. That is why Combirex is optimised for precise positioning—from oversized drives to dual linear rails to a stiff, well balanced gantry design. You can count on outstanding dynamic accuracy, high traverse speed, smooth motion, superior cut edges, and high throughput.

- High-performance drive system with high-traverse speeds
- Low backlash parallel-shaft gearboxes with oversized output shaft and bearing
- Precision linear-rail drive engagement with quick disengage for improved serviceability

FLEXIBLE TOOL SELECTION.

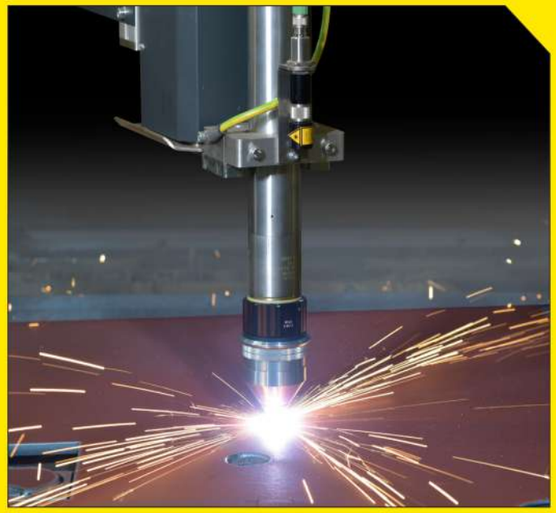
With a modular design and a variety of tools available, Combirex can be customised to your production needs—whether it is high-precision plasma cutting, precision hole cutting, plasma bevel cutting, thick plate oxy-fuel cutting, or marking and labeling. Offering up to four stations, the machine can be equipped with multiple configurations of plasma and oxy-fuel torches.



Oxy-fuel cutting

Combirex can carry up to four oxy-fuel cutting stations for cutting materials up to 150mm thick. The stations feature heavy-duty motorised lifters with automatic height control and torch ignitors.

- Built-in process database for quick setup
- Automatic gas regulation using proportional valve technology
- Quick-change consumables for reduced down-time
- ESAB's SmartJet Automated Torch features internal ignition, internal height control, and a built-in cutting Oxygen pressure gauge



Plasma cutting and marking

A single torch gives you a wide range of plasma capabilities. Switching between plasma marking and cutting is effortless with an automatic gas control.

- Pneumatically balanced initial height sensing is fast and accurate
- High-accuracy arc voltage height control
- Magnetic break-away crash protection system
- Encoder equipped lifter improves accuracy and enables Smart Voltage Height Control



Plasma bevelling

The optional DMX Automated Plasma Bevel system uses compound motion and ESAB's SmartBevel™ Technology to deliver high productivity with reliable beveling.

- Advanced Collision Protection—uses compliant motion in place of a breakaway device to detect and absorb torch collisions
- Automatically resets torch after collision, no need to touch the torch or climb onto the table
- No mechanical alignment required after torch crashes or consumable changes

ACCESSORIES AND UPGRADES

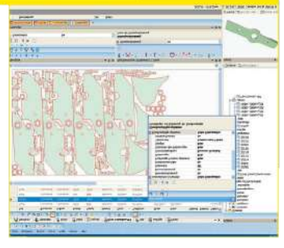
Based on your production requirements, Combirex can be configured with a number of tool and machine options.

- Under water plasma
- Laser pointer for fast and easy tool alignment
- Water tables, down draft tables, and self-cleaning tables
- Columbus™ programming and nesting software









CUTTING AUTOMATION

Swift-Cut
AN **ESAB**® BRAND



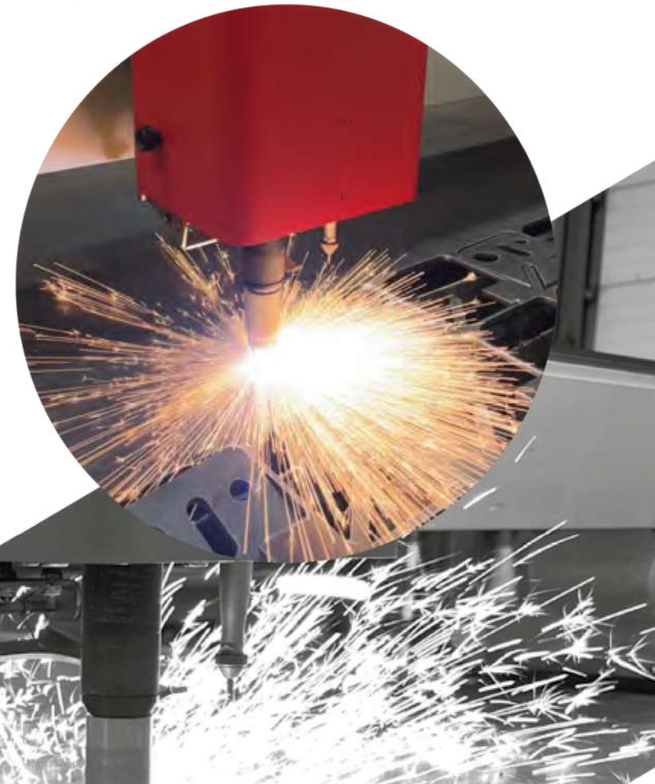
ATLAS ADVANCED INDUSTRIAL EQUIPMENT

Introducing the Swift-Cut Pro

A collection of four cutting edge CNC plasma machines. With its precision guide system and robust design, the Swift-Cut Pro range promises high speed precision cutting at a low cost investment. Easy to use, simple to learn and operate with exceptional aftercare and support, the Swift-Cut Pro range is the answer to affordable in-house metal cutting.

Why choose a Swift-Cut Pro?

The Pro has been continuously developed over the past 10 years. From its inception to now, the range has gone from strength to strength and is now the leading light industrial CNC cutting machine. With intuitive software, industry leading features, and seven different base options, the Pro range is designed to deliver fantastic and reliable cutting performance in a package built to last.



CUTTING AUTOMATION

Our Swift-Cut Pro is Europe's number one selling CNC plasma machine in its class!

The Swift-Cut Pro range comes with advanced industry leading features as standard, combined with easy to use and intuitive software. The Pro range is designed to take metal cutting to another level - its incredible capabilities offer exceptional high-end cutting solutions at amazingly low prices.

INTELLIGENT TORCH HEIGHT CONTROL
Never have to set up torch height control yourself. Automatic voltage sampling provides repeatable cut quality and increased consumable life compared to conventional Torch Height Control systems.

INITIAL HEIGHT SENSE
The Soft Sense system enables you to repeatably and accurately sense the top of the thinnest to the thickest of materials without distortion of the plate.

HYBRID SERVO MOTORS
Repeatable positional accuracy, monitored torque delivery and smooth motion.

HEAVY DUTY GANTRY
Heavy duty gantry end castings with machined faces, together with the lightweight but rigid gantry provide a precise and stable platform for the cutting head. It also supports twin x-axis linear rails.

FULLY ENCLOSED CUTTING HEAD
Fully enclosed cutting head offers protection to key components against the harsh cutting environment.

LASER POSITIONING CROSSHAIR
Laser crosshair aids in setting the torch start position.

ENGRAVING TOOL
The SwiftMARK engraving tool allows you to mark and cut in one operation, meaning no more outsourcing or moving your project from one machine to another (optional extra).



BREAKAWAY HEAD
Prevents damage to the torch should an unexpected collision occur.

MACHINE BED OPTIONS
The water bed option offers efficient fume suppression so that in most cases no external fume extraction is required. Alternatively, the zoned downdraft bed option captures fumes and particulate from beneath the cutting area when connected to an extractor or filtration unit.

SOFTWARE
Easy to use SwiftCAM and SwiftCNC software included as standard.



FULLY ENCLOSED DRAG CHAINS
Fully enclosed drag chains protect cables against damage from molten material.

LINEAR RAIL ON ALL AXES
Straight, accurate and repeatable movements, they also deliver a smoother motion compared to other guide systems.

FULLY WELDED BASE
Heavy duty base provides support and rigidity.

OPERATORS CONSOLE
Ergonomic operators console with touch screen and keyboard/ mouse inputs.

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

Swift-Cut
AN ESAB BRAND

> Swift-Cut tables are ruggedly built, easy to use, have great accuracy and most importantly, give an excellent cut.
>
> *Alan Bradford, Plasmatech*

Main Key Features:

- Intelligent Torch Height Control (ITHC) and Soft Sense initial height sense ensure the perfect pierce and cut height no matter what thickness of material
- SwiftCAM and SwiftCNC software included as standard
- 360° breakaway head with auto-reset in the event of a collision
- Downdraft and water table cutting bed options available. Pro 4000 only available as a water table.
- Designed, engineered, and fully supported by the Swift-Cut team
- Fully welded base and compact footprint ensure the machines take up the minimum amount of space required
- Freestanding operators console can be positioned on either side of the machine
- Designed to work seamlessly with the ESAB A120 plasma power source

AUTOMATED **PLASMA CUTTING.**

The Automated Plasma Cutting Systems are based on the proven ESAB® platform. The A-Series offers standard features to meet the needs of many automated applications.

With all the advantages of 1Torch and proven ESAB's reliability, the automated A-Series delivers the best in productivity, precision and performance.

- **A powerful 80% Duty Cycle to handle all-day production cutting in the toughest environments.**
- **Single phase 230V for all units including the A120.**
- Light-weight, compact design and convenient mounting feet allow for easy mounting in any application.
- Valve-in-torch design reduces cycle time between parts and increases productivity.
- CNC Interface connection is located on the rear of the power supply offering "Start/Stop", "OK to MOVE" and divided arc voltage signals.
- Software automatically detects the torch that is attached and switches between automation and manual modes.
- Dedicated automation software improves cycle time and performance in many applications.
- The A-Series systems include the SL100® SV 1Torch® start technology eliminating the electronic interference that can occur with other designs. The 1Torch provides quick, reliable starts and a strong pilot arc to pierce heavy plate. With auto-pilot restart, it can also cut expanded metal quickly and easily.
- The SL100 SV Torch comes with standard ATC Quick Disconnect in lengths of 25 ft (7.6 m), 35 ft (10.7 m) and 50 ft (15.2 m) Longer torch leads up to 100 ft (30.5 m) available.

FEATURES.

User Controls

All user controls are conveniently located on the front panel.

Front Panel Controls

- Mode selection
- Current control
- Pressure control
- Status display LED's
- Pressure/Status indicators
- Power switch on front



Color Coded LED's

Indicate pressure status and setup errors.

ATC® Quick Disconnect

Torch detection allows fast change from an automation torch to a hand torch.





Multi Voltage Capable



Multi voltage input power selection*

* US/Canada Models Only

Mobility

Lightweight design improves portability (Reduced nearly 50%).

Accessory Compartment

Holds extra tips and consumables

Standard Accessories

Standard Keyhole Mounting Feet

SELECTION GUIDE.



A-SERIES UNIT SPECIFICATIONS*

	A40			A60			A80			A120		
Rated Output	40 Amps			60 Amps			80 Amps			120 Amps		
Output Range	20 - 40 Amps @ 80% DC, 60 Amps Max., Adjustable			20 - 60 Amps @ 80% DC, 80 Amps Max., Adjustable			30 - 80 Amps @ 80% DC, 100 Amps Max., Adjustable			30 - 120 Amps @ 80% DC, 120 Amps Max., Adjustable		
Production Piercing & Cutting Capacity	1/4" (6 mm)			3/8" (10 mm)			1/2" (12 mm)			5/8" (15 mm)		
Maximum Piercing & Cutting Capacity	1/2" (12 mm)			5/8" (15 mm)			3/4" (20 mm)			3/4" (20 mm)		
Maximum Edge Start	1" (25 mm)			1" (25 mm)			1¼" (30 mm)			1½" (40 mm)		
Input Volts	208-230/460V, 1/3 ph, 50/60 Hz 380/400V, 3 ph, 50/60 Hz 600V, 3 ph, 60 Hz			208-230/460V, 1/3 ph, 50/60 Hz 380/400V, 3 ph, 50/60 Hz 600V, 3 ph, 60 Hz			208-230/460V, 1/3 ph, 50/60 Hz 380/400V, 3 ph, 50/60 Hz 600V, 3 ph, 60 Hz			208-230/460V, 1/3 ph, 50/60 Hz 380/400V, 3 ph, 50/60 Hz 600V, 3 ph, 60 Hz		
Input Amps @ Max Output	**Volts**	**1 Phase**	**3 Phase**	**Volts**	**1 Phase**	**3 Phase**	**Volts**	**1 Phase**	**3 Phase**	**Volts**	**1 Phase**	**3 Phase**
	208V	47	26	208V	75	40	208V	99	46	208V	126	61
	230V	45	24	230V	72	39	230V	95	49	230V	118	56
	380V	–	16	380V	–	17	380V	–	29	380V	–	35
	400V	–	16	400V	–	17	400V	–	28	400V	–	36
	460V	31	16	460V	44	21	460V	59	29	460V	76	37
	600V	–	13	600V	–	16	600V	–	22	600V	–	28
Kilowatt Output	6.3 kW			9 kW			12 kW			15.4 kW		
Duty Cycle	80% @ 40 Amps 100% @ 30 Amps			80% @ 60 Amps 100% @ 50 Amps			80% @ 80 Amps 100% @ 70 Amps			80% @ 120 Amps 100% @ 100 Amps		
MAX OCV	260 VDC			260 VDC			260 VDC			260 VDC		
Gas Type	Air @ 75 psi (5.2 bar) @ 6.7cfm (189 lpm)			Air @ 75 psi (5.2 bar) @ 6.7cfm (189 lpm)			Air @ 75 psi (5.2 bar) @ 6.7cfm (189 lpm)			Air @ 80 psi (5.5 bar) @ 6.7cfm (189 lpm)		
Weight	43 lbs (19.5 kg) - Unit, Power Cable, (Torch and Leads)			43 lbs (19.5 kg) - Unit, Power Cable, (Torch and Leads)			63 lbs (28.6 kg) - Unit, Power Cable, (Torch and Leads)			63 lbs (28.6 kg) - Unit, Power Cable, (Torch and Leads)		
Dimensions	H 13.5" (343 mm) x W 9.75" (248 mm) x L 21.0" (533 mm)			H 13.5" (343 mm) x W 9.75" (248 mm) x L 21.0" (533 mm)			H 13.5" (343 mm) x W 9.75" (248 mm) x L 26.0" (660 mm)			H 13.5" (343 mm) x W 9.75" (248 mm) x L 26.0" (660 mm)		
Work Cable	20' (6.1 m)			20' (6.1 m)			20' (6.1 m)			20' (6.1 m)		
Control	CNC rear panel connector, Start/Stop and OK to Move, divided arc voltage			CNC rear panel connector, Start/Stop and OK to Move, divided arc voltage			CNC rear panel connector, Start/Stop and OK to Move, divided arc voltage			CNC rear panel connector, Start/Stop and OK to Move, divided arc voltage		
Input Power Cable	10' (3 m) with plug (208/230V) 6' (2 m) without plug (400V)			10' (3 m) with plug (208/230V) 6' (2 m) without plug (400V)			10' (3 m) with plug (208/230V) 6' (2 m) without plug (400V)			10' (3 m) with plug (208/230V) 6' (2 m) without plug (400V)		
Certifications	IP-23C, CSA, NTRL/C, CE, CCC			IP-23C, CSA, NTRL/C, CE, CCC			IP-23C, CSA, NTRL/C, CE, CCC			IP-23C, CSA, NTRL/C, CE, CCC		
Torch Configuration												
Torch	SL100® SV w/ ATC®, 180° Automation											

* Subject to change without notice

AUTOMATED **PLASMA CUTTING.**

CUTTING SPEED CHART FOR A-SERIES SYSTEMS

Material	Thickness (Inch)	Speed (IPM)	Amps	Plasma /Shield	Thickness (mm)	Speed mm/min.
Mild Steel	20 ga.	160	40	Air/Air	1	3990
	16 ga.	140			2	2920
	3/16	55			3	1810
	1/4	40			5	1345
	3/16	100	60	Air/Air	4	3650
	1/4	80			6	2145
	3/8	50			10	1180
	1/2	26			12	795
	1/4	100	80	Air/Air	6	2745
	3/8	42			10	1060
	1/2	40			12	1025
	5/8	18			15	610
	3/8	75	100	Air/Air	10	1790
	1/2	45			12	1310
	3/4	20			20	490
	3/8	85	120	Air/Air	10	2100
	1/2	70			12	1860
	5/8	45			15	1320
	3/4	30			20	720
Stainless Steel	16 ga.	50	40	Air/Air	2	1140
	3/16	30			3	980
	1/4	18			5	715
	3/16	90	60	Air/Air	4	2865
	1/4	65			6	1790
	3/8	30			10	725
	1/2	21			12	580
	1/4	100	80	Air/Air	6	2765
	3/8	45			10	1070
	1/2	26			12	765
	3/8	65	100	Air/Air	10	1575
	1/2	45			12	1255
	5/8	20			15	685
	3/8	100	120	Air/Air	10	2390
	1/2	60			12	1750
	5/8	40			15	1160
Aluminum	16 ga.	170	40	Air/Air	2	3500
	3/16	75			3	2350
	1/4	30			5	1740
	3/16	170	60	Air/Air	4	5230
	1/4	85			6	2640
	3/8	45			10	1085
	1/2	30			12	845
	1/4	110	80	Air/Air	6	3190
	3/8	55			10	1330
	1/2	38			12	1060
	5/8	26			15	745
	3/8	65	100	Air/Air	10	1575
	1/2	45			12	1255
	3/4	20			20	470
	3/8	110	120	Air/Air	10	2660
	1/2	75			12	2100
	5/8	50			15	1445





NOTE: The cutting speed chart data is subject to change without notice. Take care in comparison. The speeds noted above are best cut quality speeds. Often, competitors show maximum cutting speeds. Although much higher speeds can be achieved, edge quality and bevel angle may be compromised. The capabilities shown in this table were obtained by using new consumables, correct gas and current settings, accurate torch height control and with the torch perpendicular to the workpiece. The operating chart does not list all processes available for the A-Series plasma systems. Please contact ESAB for more information.

1TORCH, SL100SV and ATC, are trademarks of ESAB, and registered with the U.S. Patent and Trademark Office, and are the subject of trademark registrations and pending applications in numerous other countries. For information on trademark registrations of ESAB, contact the local trademark offices in the countries of interest.

AUTOMATED PLASMA CUTTING



- Microprocessor controlled for optimised cut quality and parts life
- Power upgrade; inverter blocks can be easily added for higher cutting capacity

XT Torch
Fastest consumable changes with SpeedLok technology.

Automatic Gas Control
Digital Flow Control for optimised and easy setup for frequent changes between materials and thicknesses. A must for marking with argon and fast switching between cutting and marking.

Electronic Arc Starter
For reduced HF emission.

THE ALL-AROUND PERFORMANCE YOU NEED.

Our fully integrated system allows you to achieve the best plasma cutting performance for maximum quality cuts.

- Save money by retrofitting your current machine to take advantage of longer consumable life and less downtime
- Gain access to customer support from installation to troubleshooting during operation

BRING FLEXIBILITY TO THE TABLE.

Our next generation of high-precision plasma cutters work the way you do.

Integrated transformers for systems from 200 to 600 V are available.

SYSTEM CAPABILITIES

		2200i	2300i	2400i	2600i	2800i
MILD STEEL	Production Pierce	1" (25 mm)	1 1/2" (40 mm)	2" (50 mm)	2" (50mm)	2" (50mm)
	Maximum Pierce	1 1/2" (40 mm)	1 3/4" (45 mm)	2" (50 mm)	2" (50mm)	2" (50mm)
	Edge Start	2 1/2" (65 mm)	3" (75 mm)	3 1/2" (90 mm)	3 1/2" (90mm)	3 1/2" (90mm))
STAINLESS STEEL	Production Pierce	1" (25 mm)	1 1/4" (30 mm)	2" (50 mm)	3" (75mm)	3 1/2" (90mm)
	Maximum Pierce	1" (25 mm)	1 1/4" (30 mm)	2" (50 mm)	3" (75mm)	4" (100mm)
	Edge Start	2" (50 mm)	2" (50 mm)	4" (100 mm)	4" (100mm)	6 1/4" (160mm)
Aluminium	Production Pierce	7/8" (20 mm)	1" (25 mm)	2" (50 mm)	3" (75mm)	3 1/2" (90mm)
	Maximum Pierce	1" (25 mm)	1 1/4" (30 mm)	2 1/4" (60 mm)	3" (75mm)	3 1/2" (90mm)
	Edge Start	2" (50 mm)	2" (50 mm)	3 1/2" (90 mm)	4" (100mm)	6 1/4" (160mm)

SYSTEM CAPABILITIES*

	2200i	2300i	2400i	2600i	2800i
Rated Output (Amps)	200 A	300 A	400 A	600 A	800 A
Output Range (Amps)	5-200 A	5-300 A	5-400 A	5–600 A	5–800 A
Output (Volts)	180 V	180 V	200 V	200 V	200 V
Input Volts (Volts, Phase, Hertz)	230 V, 3 ph, 50-60Hz 380 V, 3 ph, 50-60 Hz, 400 V, 3 ph, 50-60 Hz, 480 V, 3 ph, 50-60 Hz 600 V, 3ph, 50-60Hz	230 V, 3 ph, 50-60 Hz, 380 V, 3 ph, 50-60 Hz, 400 V, 3 ph, 50-60 Hz 480 V, 3 ph, 50-60 Hz 600 V, 3 ph, 50-60 Hz	380 V, 3 ph, 50-60 Hz, 400 V, 3 ph, 50-60 Hz 480 V, 3 ph, 50-60 Hz 600 V, 3 ph, 50-60 Hz	230 V, 3 ph, 50–60 Hz 380 V, 3 ph, 50–60 Hz 400 V, 3 ph, 50–60 Hz 480 V, 3 ph, 50–60 Hz 600 V, 3 ph, 50–60 Hz	- 380 V, 3 ph, 50–60 Hz 400 V, 3 ph, 50–60 Hz 480 V, 3 ph, 50–60 Hz 600 V, 3 ph, 50–60 Hz
Input Amps (Amps, Volts)	121 A @ 230 V 65 A @ 380 V 62 A @ 400 V 52 A @ 480 V 45 A @ 600 V	194 A @ 230 V 97 A @ 380 V 93 A @ 400 V 77 A @ 480 V 73 A @ 600 V	144 A @ 380 V 137 A @ 400 V 114 A @ 480 V 96 A @ 600 V	388 A @ 230 V 194 A @ 380 V 186 A @ 400 V 154 A @ 480 V 146 A @ 600 V	288 A @ 380 V 274 A @ 400 V 228 A @ 480 V 192 A @ 600 V
Duty Cycle (@ 104°F/40° C)	100% (40 kW)	100% (60 kW)	100% (80 kW)	100% (120 kW)	100% (160 kW)
Max OCV	425 V	425 V	425 V	425 V	425 V
Plasma Gas	Air, O_2, Ar-H_2, N_2 @ 120 psi (8.3 bar) and Ar for marking with DFC	Air, O_2, Ar-H_2, N_2 @ 120 psi (8.3 bar) and Ar for marking with DFC	Air, O_2, Ar-H_2, N_2 @ 120 psi (8.3 bar) and Ar for marking with DFC	Air, O_2, ArH_2, N_2 @ 8.3 bar and Ar for marking with automatic gas console	Air, O_2, ArH_2, N_2 @ 8.3 bar and Ar for marking with automatic gas console
Shield Gas	Air, N_2, O_2 @ 120 psi (8.3 bar), H_20 @ 10 GPH (0.6 l/min)	Air, N_2, O_2 @ 120 psi (8.3 bar), H_20 @ 10 GPH (0.6 l/min)	Air, N_2, O_2, Ar-H_2 @ 120 psi (8.3 bar), H_20 @ 10 GPH (0.6 l/min)	Air, N_2, O_2 @ 8.3 bar, H_20 @ 0.6 L/min.	Air, N_2, O_2 @ 8.3 bar, H_20 @ 0.6 L/min.
Power Supply Weight	1001 lbs (455 kg) 230V 410 lbs (186 kg) 380, 400, 480V 718 lbs (326 kg) 600V	1220 lbs (555 kg) 230V 410 lbs (186 kg) 380, 400, 480 783 lbs (356 kg) 600V	410 lbs (186 kg) 380, 400, 480V, 849 lbs (386 kg) 600V	2 x 555 kg, 2 x 244 kg, 2 x 356 kg	- 2 x 252 kg 2 x 386 kg
Dimensions	48.0" x 27.5" x 40.6" (1219 mm x 698 mm x 1031 mm) H:+ 17.5" (445 mm) 230V / 600V units	48.0" x 27.5" x 40.6" (1219 mm x 698 mm x 1031 mm) H:+ 17.5" (445 mm) 230V / 600V units	48.0" x 27.5" x 40.6" (1219 mm x 698 mm x 1031 mm) H:+ 17.5" (445 mm) 600V units	2 x 1,219 x 698 x 1,031 mm *H: 2 x 445 mm for 600 V units*	2 x 1,219 x 698 x 1,031 mm *H: 2 x 445 mm for 600 V units*
Certifications	CSA, CE, CCC	CSA, CE, CCC	CSA, CE, CCC	CSA, CE, CCC	CSA, CE, CCC

*Subject to change without notice.

EUROBOOR
FOR PROFESSIONALS BY PROFESSIONALS

MAGNETIC DRILLS

TUBE.30



- Euroboor TUBE.30 magnetic core drilling machine is suitable for both flat and pipe material. The TUBE.30 with patented shallow-field magnetic technology offers incredibly strong grip, even on steel as thin as 3 mm. This magnetic core drilling machine automatically pivots to conform to any pipe of ø 76.2 mm or larger. The magnet does not require electricity, so all the power goes to the motor. This offers increased safety as the drilling machine will not release from the target material in the event of an unintentional power loss.

Specifications	
Annular Cutting	Ø 12 - 30 mm
Twist drilling (Weldon)	Ø 1 - 13 mm
Countersinking	Ø 10 - 35 mm
Length	275 mm
Width	185 mm
Height	326 - 416 mm
Stroke	90 mm
Weight	10.3 kg
Magnetic Force	532 kg
Min Material Thickness	3 mm
Min Pipe Diameter	76.2 mm
Spindle	19.05 mm
Motor Power	900 W
Speed	775 rpm
Voltage	220 - 240 V / 50-60 Hz

ECO.36+



- ECO.36+ magnetic core drilling machine is the lowest drilling machine in the market, measuring only 165 mm height. This magnetic core drilling machine is perfect for drilling in spaces with limited heights such as H-beams, steel structures, plates, profiles, etc. The portable ECO.36+ is equipped with innovative electronics which offer more safety, significantly reduce the risk of damage of the machine, tool and workpiece and protects the user in case of excessive vibrations or sudden displacement.

Specifications	
Annular Cutting	Ø 12 - 36 mm
Twist drilling (Weldon)	Ø 1 - 14 mm
Countersinking	Ø 10 - 40 mm
Length	310 mm
Width	135 mm
Height	165 mm
Stroke	40 mm
Weight	10.3 kg
Magnetic Force	1,200 kg
MAGNET (l x w x h)	160 x 80 x 37 mm
Motor Power	1,050 W
Total Power	1,100 W
Spindle	19.05 mm
Speed	700 rpm
Voltage	220 - 240 V / 50-60 Hz

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

ECO.32



- The compact Euroboor ECO.32 magnetic core drilling machine has a powerful single speed 1,000 W motor. This portable magnetic core drilling machine is suitable for the use with Weldon twist drills up to ø 13 mm and countersinks up to 40 mm. This light and reliable machine is a true addition for every workplace.

Specifications	
Annular Cutting	Ø 12 - 32 mm
Twist drilling (Weldon)	Ø 1 - 13 mm
Countersinking	Ø 10 - 40 mm
Length	320 mm
Width	210 mm
Height	370 - 512 mm
Stroke	150 mm
Weight	11 kg
Magnetic Force	1,500 kg
MAGNET (l x w x h)	160 x 80 x 42 mm
Motor Power	1,000 W
Total Power	1,050 W
Spindle	19.05 mm
Speed	775 rpm
Voltage	220 - 240 V / 50-60 Hz

ECO.50S+



- The Euroboor ECO.50S+ magnetic core drilling machine converts maximum power through its two speed oil lubricated gearbox. This improves motor efficiency and lifetime of key components. This portable industrial magnetic core drilling machine has innovative electronics which offer more safety, significantly reduce the risk of damage of the machine, tool and workpiece and protects the user in case of excessive vibrations or sudden displacement. The lifespan is considerably longer and you avoid high maintenance costs

Specifications	
Annular Cutting	Ø 12 - 50 mm
Twist drilling (Weldon)	Ø 1 - 23 mm
Countersinking	Ø 10 - 55 mm
Length	320 mm
Width	200 mm
Height	445 - 615 mm
Stroke	170 mm
Weight	12 kg
Magnetic Force	1,700 kg
MAGNET (l x w x h)	160 x 80 x 42 mm
Motor Power	1,250 W
Total Power	1,300 W
Spindle	19.05 mm
Speed	690 rpm
Voltage	220 - 240 V / 50-60 Hz

EUROBOOR
FOR PROFESSIONALS BY PROFESSIONALS

MAGNETIC DRILLS

ECO.55S+/T



- The Euroboor ECO.50S+/T magnetic core drilling machine apart from drilling, can also tap! It also converts maximum power through its two speed oil lubricated gearbox. This improves motor efficiency and lifetime of key components. This portable industrial magnetic core drilling machine has innovative electronics which offer more safety, significantly reduce the risk of damage of the machine, tool and workpiece and protects the user in case of excessive vibrations or sudden displacement. The lifespan is considerably longer and you avoid high maintenance costs.

Specifications	
Annular Cutting	Ø 12 - 55 mm
Twist drilling (Weldon)	Ø 1 - 23 mm
Countersinking	Ø 10 - 60 mm
Length	320 mm
Width	200 mm
Height	490 - 660 mm
Stroke	170 mm
Weight	12.9 kg
Magnetic Force	1,850 kg
MAGNET (l x w x h)	168 x 84 x 49 mm
Motor Power	1,600 W
Total Power	1,700 W
Spindle	19.05 mm
Speed	500 rpm
Voltage	220 - 240 V / 50-60 Hz

ECO.80S+



- Thanks to its four-speed oil lubricated gearbox our portable Euroboor ECO.80S+ magnetic core drilling machine is able to tackle twist drilling tasks just as easily as big diameter annular cutter challenges. The innovative electronics in this magnetic core drilling machine offer more safety, significantly reduce the risk of damage of the machine, tool and workpiece and protects the user in case of excessive vibrations or sudden displacement. The lifespan is considerably longer and you avoid high maintenance costs.

Specifications	
Annular Cutting	Ø 12 - 80 mm
Twist drilling (Weldon)	Ø 1 - 31,75 mm
Countersinking	Ø 10 - 85 mm
Length	365 mm
Width	310 mm
Height	510 - 710 mm
Stroke	260 mm
Weight	27.3 kg
Magnetic Force	3,000 kg
MAGNET (l x w x h)	220 x 110 x 64 mm
Motor Power	1,700 W
Total Power	1,800 W
Spindle	19.05 mm
Speed	650 rpm
Voltage	220 - 240 V / 50-60 Hz

ECO.100S+/TD



- ECO.100S+/TD magnetic core drilling machine has an unique swivel base, which allows the magnet to rotate 30º both ways and slide 15 – 20 mm forwards and backwards. This magnetic core drilling machine cuts holes up to ø 100 mm and is particularly suitable for tapping. It not only benefits from an oil lubricated gearbox, but also from innovative electronics which offer more safety, significantly reduce the risk of damage of the machine, tool and workpiece and protects the user in case of excessive vibrations or sudden displacement.

Specifications	
Annular Cutting	Ø 12 - 100 mm
Twist drilling (Weldon)	Ø 1 - 31,75 mm
Countersinking	Ø 10 - 105 mm
Length	365 mm
Width	310 mm
Height	515 - 715 mm
Stroke	260 mm
Weight	31 kg
Magnetic Force	3,000 kg
MAGNET (l x w x h)	220 x 110 x 64 mm
Motor Power	1,900 W
Total Power	2,050 W
Spindle	19.05 mm
Speed	620 rpm
Voltage	220 - 240 V / 50-60 Hz

ECO.200S/T



- Meet the largest and most powerful magnetic drilling machine in our range: the ECO.200S/T. With a maximum drilling capacity of 200 mm or 7 7/8" and tapping and countersinking possibilities, this machine gives you the ability to make truly extreme adjustments on workpieces and locations that normally are impossible to do.
- With the ECO.200S/T in your portfolio you have a very versatile machine which give you more power and offer you solutions that others can only dream of.

Specifications	
Annular Cutting	Ø 12 - 200 mm
Twist drilling (Weldon)	Ø 1 - 50 mm
Countersinking	Ø 10 - 205 mm
Length	515 mm
Width	265 mm
Height	650 - 905 mm
Stroke	255 mm
Weight	58.5 kg
Magnetic Force	3,680 kg
MAGNET (l x w x h)	350 x 125 x 66 mm
Motor Power	2,600 W
Total Power	2,750 W
Spindle	31.75 mm
Speed	470 rpm
Voltage	220 - 240 V / 50-60 Hz

EUROBOOR
FOR PROFESSIONALS BY PROFESSIONALS

HSS AND TCT ANNULAR CUTTERS

Annular cutters

+ Longer lifespan
+ Exact dimensions
+ Unique teeth geometry
+ Optimum chip clearance
+ Superior slug ejection



High-precision shanks, various connections



Weldon
19.05 mm (3/4")



WelNit
19.05 mm (3/4")



Weldon
31.75 mm (1 1/4")

Pilot pins

Pilot pins are essential for the use of annular cutters, as they provide the following practical uses:

- **Centration of cutter**
- **Control of oil flow**
- **Slug ejection**



1. Pilot pin
2. Annular cutter
3. Pilot pin inside annular cutter
4. Place in arbor magnetic drilling machine and commence drilling



The No. 1 choice in HSS, HSS-Cobalt and TCT

We offer a well-considered range of annular cutters, designed to exceed your requirements. Many years of our hands-on experience are reflected in the unique features of our cutters. We do not compromise on quality and for that reason our cutters are appreciated worldwide for optimum performance, durability and longer functional life in all industries. From small scale fabrication to the oil and shipping industry, and from large scale fabrication to construction, and beyond.





Annular cutter overview

Depth of Cut (DoC)				Ø Metric (mm) Weldon	Ø Metric (mm) WelNit	Ø Imperial (inch) Weldon	Ø Imperial (inch) WelNit
25 mm	1"	TCT Rail		17 - 36	-	-	-
30 mm	1"	HSS		12 - 100	12 - 60	7/16" - 4"	-
30 mm	1"	HSS-Cobalt	8%	12 - 60	-	7/16" - 2 5/16"	-
35 mm	1"	TCT		12 - 100	12 - 60	7/16" - 4"	7/16" - 2 5/16"
35 mm	1"	TCT Rail		17 - 36	-	-	-
55 mm	2"	HSS		12 - 100	12 - 60	7/16" - 4"	7/16" - 2 5/16"
55 mm	2"	HSS Stack		18 - 32	-	11/16" - 1 1/4"	-
55 mm	2"	HSS-Cobalt	8%	12 - 60	-	7/16" - 2 5/16"	-
55 mm	2"	TCT		12 - 200	12 - 60	7/16" - 8"	7/16" - 2 5/16"
75 mm	3"	HSS		14 - 50	-	-	-
75 mm	3"	HSS Stack		18 - 32	-	11/16" - 1 1/4"	-
75 mm	3"	HSS-Cobalt	8%	-	-	7/16" - 2 5/16"	-
75 mm	3"	TCT		12 - 50	-	7/16" - 3"	-
100 mm	4"	HSS		18 - 50	-	-	-
100 mm	4"	TCT		12 - 200	-	7/16" - 8"	-
150 mm	6"	TCT		22 - 200	-	7/8" - 8"	-
200 mm	8"	TCT		22 - 200	-	7/8" - 8"	-

Material appliance ● Optimal ○ Good ○ Possible

Cutter \ Material	Plastics GRP/ CRP	Brass, Copper, Tin	Grey cast iron	Steel < 500N	Steel < 750N	Steel < 900N	Steel < 1,100N	Steel < 1,400N	Stainless steel < 900N	Stainless steel ≤ 900N	Aluminium < 10% Si	Aluminium ≤ 10% Si	Exotic materials*	Rails
HSS	●	○		●	●	○					○			
HSS-Cobalt	●	●	○	●	●	●	○	○	○	○	●	○	○	
TCT		○	●	●	●	●	●	●	●	●	●	●	●	○
TCT Rail		○	●	●	●	●	●	●	●	●	●	●	●	●

* Inconnell, Nimonic, HARDOX, Hastelloy

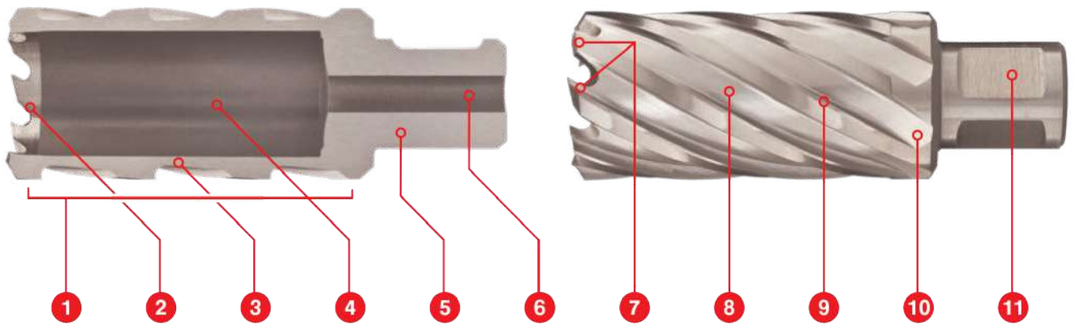
HSS ANNULAR CUTTERS

HSS annular cutters, with unique teeth geometry, provide clear cutting, fast feed rate, less vibration, smooth hole surface and long tool life. They are better and quicker than twist drills. HSS annular cutters can be used on all kinds of magnetic drilling machines. They can be widely used in drilling steel, copper, aluminium, stainless steel and plastic, in either plate or pipe form. The HSS annular cutters have gained huge popularity in the market. The entire range is available in various specifications that can be customised as per your requirements.

HSS material application ● Optimal ○ Good ○ Possible

Plastics GRP/CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic materials, Inconnell, Nimonic, HARDOX, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1,100N	< 1,400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
●	○		●	●	○					○			

HSS profile



1. Stage hardening. Combines maximum hardness at the teeth with superior strength at the cutter body, reducing breakage to a minimum.
2. Inner ground cutting teeth. Helps stable "setting" of the cutter, reduces friction during drilling and helps slug ejection.
3. Wall thickness matched to the diameter of the cutter, combining the best possible cutting time with strength.
4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug ejection with usage of the correct pilot pin.
5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
6. Precise pilot pin fitment for perfect centration, hassle-free pin retraction and controlled lubricant flow.
7. Altering "continuous pre-cut" teeth geometry. Generates faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes.
8. Well-thought-out spiral flute angles for optimal chip removal.
9. Specially designed blades for optimum stability and heat-reduction.
10. Number of flutes and teeth matched to the diameter of the cutter for the best tooth load and superior cutting speeds.
11. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

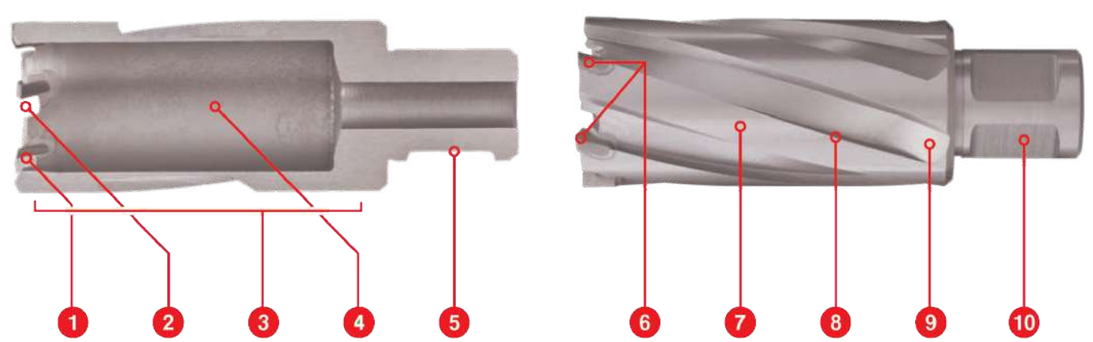
TCT ANNULAR CUTTERS

Euroboor TCT (**SANDVIK**) annular cutters are equipped with a spiral flute which creates optimum chip removal and makes seizure virtually impossible. These annular cutters are used for example in hardened materials such as HARDOX steel, stainless steels and high tensile strength steel such as railway tracks. Because of the above composition, and when used in a proper way, these cutters are less susceptible to breakage than standard High Speed Steel cutters, especially in larger diameters and lengths.

TCT material application ● Optimal ● Good ○ Possible

Plastics GRP/CRP	Brass, Copper, Tin	Grey cast iron	Steel					Stainless steel		Aluminium		Exotic materials, Inconnell, Nimonic, HARDOX, Hastelloy	Rails
			< 500N	< 750N	< 900N	< 1,100N	< 1,400N	< 900N	≤ 900N	< 10% Si	≤ 10% Si		
	○	●	●	●	●	●	●	●	●	●	●	●	○

TCT profile



1. Extremely hard and durable tungsten carbide cutting teeth (**SANDVIK**) for the hardest of drilling tasks. Offset positioning for the lowest possible heat development.
2. Optimised cutting angles for shortest drilling times and clearest cuts.
3. Special alloy body for optimum strength and durability.
4. Tapered inside fitment prevents the cutter getting stuck. Guaranteed slug ejection with usage of the correct pilot pin.
5. Precise shank fitment for maximum interchangeability and close tolerance drilling without run-out.
6. Altering "continuous pre-cut" teeth geometry. Generates faster and more stable drilling performance and results in clear cuts of the highest precision and smooth, burr-free finishes. **SANDVIK** carbide tipped.
7. Well-thought-out spiral flute angles for optimal chip removal.
8. Specially designed blades for optimum stability and heat-reduction.
9. Number of flutes and teeth matched to the diameter of the cutter for the best tooth load and superior cutting speeds.
10. Precision ground shanks for optimum fitment of the cutter itself in the tool holder and of pilot pin in the annular cutter. Increases safety, stability and accurate hole dimensions.

PILOT PINS



Pilot pins are essential for the use of annular cutters as they control the flow of oil, centrate the cutter and make for a smooth slug ejection.

REGRINDING MACHINE

ERM.100/3

A simple, easy to use machine, specifically designed for one purpose - regrinding annular cutting tools. Saves time and money in carrying out an effective cutter regrind, particularly if the customer is in urgent need of continued production drilling.



Features

- Simple set up and operation - Easy positioning of cutting tool.
- Economical - far less expensive than heavier equipment.
- Lightweight and portable - ideal for site work, or a small workshop.
- Diamond wheel - creates a sharp, clean new cutting edge.
- Easy angle adjustment - simple alignment to original angle geometry.
- Laser guided cutter alignment - ensuring correct positioning of cutting edge to the wheel.
- Additional gullet reforming wheel supplied - extending the life of the annular cutter.
- Will re-sharpen cutters from 12 mm diameter to 44 mm. Diameter in cutting depths of 25 mm and 55 mm.
- Supplied with full range of index plates - to cover most cutter diameters / no. of teeth (HSS type only)

For use with Euroboor or other Brands of HSS annular cutters, with a 19 mm Shank. Will regrind cutters from 12 mm diameter to 44 mm diameter in cutting depths of 25 mm and 55 mm.

Please ask about our range of cutter regrinding machine accessories.

Specifications	
Dimensions L x W x H	480 x 270 x 300 mm (without optics)
Net Weight	28 kg
Power supply	240 Volts, 50 / 60 Hz
Motor Power Speed	250 W, 2,800RPM
Cutter Capacity	140 mm Ø
Noise Level	< 70 dBa
Grinding Disk	Diamond grinding disk, Ø125 mm, Bore Ø10 mm

BEVELLING SOLUTIONS

BM45 — AIR

A Mini Air Beveling Machine designed for milling plates, pipes and contour angle workpieces.



Features

- The BM45AIR is the smallest bevelling machine in our range. Although it fits in the palm of your hand, don't underestimate it's power! The BM45AIR is designed for deburring and rounding edges on steel, stainless steel, aluminum and other materials. Perfectly suitable for machining holes from the internal diameter of 8 mm.

Specifications	
Air inlet	Ø 6.35 mm
Air hose	Ø 9.525 mm
Connector type	Euro type
Avg. Air consumption	5 SCFM / 0.15 M3/min
Working pressure	6 - 8 bar
No-load speed	R2, R3, R4 and R5
Length x Height	150 mm x 45 mm
Weight	320 g
Max. working angle	45˚

B45S — 1250W MOTOR POWER

A portable, handy solution designed for milling edges of steel, aluminium, alloys, brass or plastic.



Features

- The Euroboor B45S benefits from quick and easy bevel width adjustment with clear indicator. This bevelling machine has a maximum bevel width of 6 mm, at an angle of 45°.The spindle speed adjustment range makes the B45S suitable for various materials. The electronic speed stabilization and overheat protection take care of creating perfect finishes with the greatest of ease.

Specifications	
Spindle speed	1,750 - 5,250 rpm
Max. bevel width	6 mm (45˚)
Min. diameter for inside bevels	20 mm
Spindle thread	M12 x 1.75
Length	458 mm
Width	137 mm
Height	300 mm
Weight	4.8 kg
Voltage	220 - 240 V / 50 - 60 Hz

B60 — 1100W MOTOR POWER

for mild steel bevelling

A new generation portable bevelling machine designed for bevelling both plate and pipes with ease and accuracy.



Features

- With a maximum bevel width of 24 mm, at an angle of 45, the Euroboor B60 beveling machine is a unique machine in the market. This bevelling machine has a powerful high-efficiency motor and is suitable to cut both plate and pipe material. The Euroboor B60 bevel machine has a clear indicator for angle setting, up to 60˚ and is easy to control thanks to the clear, precise, and simple (protected) control buttons. The Euroboor B60 is equipped with overload protection.

Specifications	
Spindle speed	2.850 RPM
Max. bevel width	24 mm (45˚)
Bevel angle	0 - 60˚
Pipe diameter	> Ø 150 mm
Length	415 mm
Width	375 mm
Height	268 mm
Weight	24.1 kg
Voltage	220-240 v / 50-60Hz

B60S — 1800W MOTOR POWER

for stainless steel bevelling

A new portable bevelling machine designed for bevelling both stainless steel plate and pipes with ease and accuracy.



Features

- The Euroboor B60S bevelling machine has a maximum bevel width of 24 mm, at an angle of 45˚, which is unique in the market. Furthermore, this machine benefits from an exceptional powerful 1800 W motor making this machine very suitable for not only cutting stainless steel but a wide variety of materials. The Euroboor B60S is equipped with overload protection and has a variable speed, including material type indicator. This machine is suitable to cut both plate and pipe material.

Specifications	
Spindle speed	1,675 - 2,850 rpm
Max. bevel width	24 mm (45˚)
Bevel angle	0 - 60˚
Pipe diameter	> Ø 150 mm
Length	415 mm
Width	375 mm
Height	268 mm
Weight	24.1 kg
Power Supply	220-240 v / 50-60Hz

LIFTING MAGNETS

Euroboor lifting magnets are engineered with top priority on safety and practical use. This attention to detail during the manufacturing process makes it possible to combine high-uniform magnetic strength with easy and smooth handle operation. The compact design and limited weight make the magnets easy to handle, optimize workspace and fully exploit crane capacity.

Safety factor 3.5

Euroboor lifting tools are designed to withstand at least 3.5 times the recommended workload and each lifting magnet is individually tested and delivered with a specific certificate as proof of safety. Our lifting tools provide reliable and consistent performance, also under extreme conditions.

Benefits:

- **Safety factor 3.5; Lift at least 3.5 times the suggested weight load**
- **Suitable for flat and tubular objects**
- **Suitable for rough or finished surfaces**
- **High lifting capacity**
- **Suitable for temperatures up to 80°C / 176 °F**
- **Maintenance free**
- **Certified safety**
- **Reliable and consistent performance, also under extreme conditions**
- **Easy handling and operation**

Model	ELM.125	ELM.250	ELM.500	ELM.1000	ELM.2000
Length (mm)	175	213	288	336	559
Width (mm)	76	82	112	148	154
Height (mm)	134	160	195	234	295
Width of eye (mm)	30	40	42	52	52
Weight (kg)	6.5	9.4	21,2	43	95.2
Workload limit (kg) flat material	125	250	500	1,000	2,000
Workload limit (kg) round material	60	125	250	500	1,000
Plate minimal thickness (mm)	15	25	30	40	55
Round min - max thickness (Ø)	40 / 80	50 / 100	100 / 250	150 / 380	180 / 450
Max. operation temp. (°C)	< 80°	< 80°	< 80°	< 80°	< 80°





Lifting magnet 125 kg

ELM.125



Lifting magnet 250 kg

ELM.250



Lifting magnet 500 kg

ELM.500



Lifting magnet 1,000 kg

ELM.1000



Lifting magnet 2,000 kg

ELM.2000

The design and appearance of some components may change due to constantly ongoing development and improvement.

ABRASIVES

Whether it be cutting, grinding, buffing or polishing, everything you need is here in one spot. The latest technology applied to cutting and grinding to make your job easier.



CUTTING DISCS

Model No.	Description	Model No.	Description
ATCD1003M	4" (100MM) 3.2mm	**ATCD1803M**	7" (180MM) 3.2mm
ATCD1151M	4.5" (115MM) 1mm	**ATCD2303M**	9" (230MM) 3.2mm
ATCD1153M	4.5" (115MM) 3.2mm	**ATCD3503M**	14" (350MM) 3.2mm
ATCD1251M	5" 125MM 1mm	**ATCD4003M**	16" (400MM) 3.2mm
ATCD1253M	5" (125MM) 3.2mm		

GRINDING DISCS

Model No.	Description	Model No.	Description
ATGD1006M	4" (100mm) 6.4mm	**ATGD1806M**	7" (180mm) 6.4mm
ATGD1156M	4.5"(115mm) 6.4mm	**ATGD2306M**	9" (230mm) 6.4mm
ATGD1256M	5" (125mm) 6.4mm		



FLAP DISCS

Model No.	Description	Color	Grit	Type	Material
ATFD100BLG60T29	100mm 4"	Blue	Grit 60	Type 29	Zirconium dioxide
ATFD100BLG80T29	100mm 4"	Blue	Grit 80	Type 29	Zirconium dioxide
ATFD115BLG60T29	115mm 4.5"	Blue	Grit 60	Type 29	Zirconium dioxide
ATFD115BLG80T29	115mm 4.5"	Blue	Grit 80	Type 29	Zirconium dioxide
ATFD125BLG60T29	125mm 5"	Blue	Grit 60	Type 29	Zirconium dioxide
ATFD125BLG80T29	125mm 5"	Blue	Grit 80	Type 29	Zirconium dioxide
ATFD180BLG60T29	180mm 7"	Blue	Grit 60	Type 29	Zirconium dioxide
ATFD180BLG80T29	180mm 7"	Blue	Grit 80	Type 29	Zirconium dioxide
ATFD100RDG60T29	100mm 4"	Red	Grit 60	Type 29	Aluminum oxide
ATFD100RDG80T29	100mm 4"	Red	Grit 80	Type 29	Aluminum oxide
ATFD115RDG60T29	115mm 4.5"	Red	Grit 60	Type 29	Aluminum oxide
ATFD115RDG80T29	115mm 4.5"	Red	Grit 80	Type 29	Aluminum oxide
ATFD125RDG60T29	125mm 5"	Red	Grit 60	Type 29	Aluminum oxide
ATFD125RDG80T29	125mm 5"	Red	Grit 80	Type 29	Aluminum oxide
ATFD180RDG60T29	180mm 7"	Red	Grit 60	Type 29	Aluminum oxide
ATFD180RDG80T29	180mm 7"	Red	Grit 80	Type 29	Aluminum oxide

PPE SAFETY

3M SAFETY VEST



SAFETY MASK



WELDING GOGGLES



WELDING HELMET



WELDING MASKS



3M SAFETY GOGGLES



3M SAFETY DUSK MASK



3M SAFETY EAR PLUGS



3M SAFETY EARMUFFS



ACCESSORIES

PENCIL BRUSHES



Size	Item Code	Size	Item Code
10mm	AT-LF03	**25mm**	AT-LF05
16mm	AT-LF04		

WHEEL BRUSHES



Size	Item Code	Size	Item Code
65mm	AT-LF07	**75mm**	AT-LF08
75mm	AT-LF08	**100mm**	AT-LF09

WHEEL WIRE BRUSH



Type	Item Code
Standard	AT-LF10

WIRE BRUSH



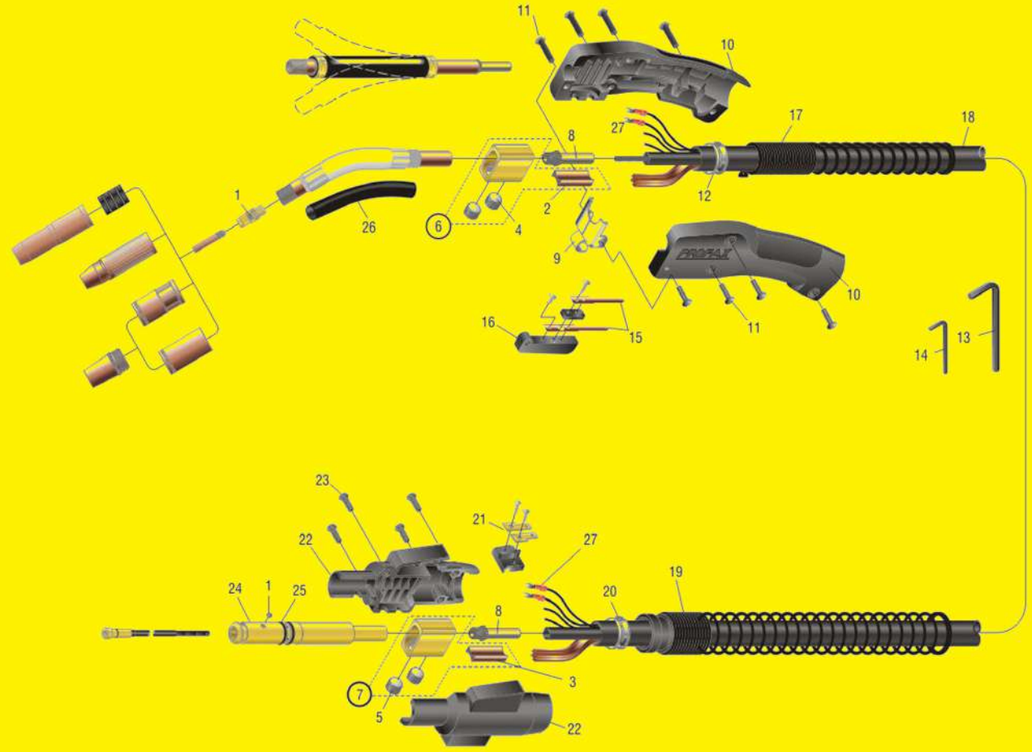
Type	Item Code
Steel Wire Brush	AT-LF12

PROFAX

"QUALITY WELDING PRODUCTS AT AFFORDABLE PRICE"

Profax originated in 1969 from a small machine shop called Van Dresser and Hawkins in Pearland, Texas. Over the past 40+ years, Profax has grown into one of the nation's leading manufacturers of welding products.

We specialize in building MIG, TIG, Submerged Arc, Plasma, Arc Gouging Torches, and consumables. We pride ourselves in our long-standing reputation of quality products with fast delivery and helpful customer service. Our products are all manufactured and shipped from the same location in Pearland. The Profax brand is sold through welding distributors worldwide.



BAND SAW BLADES



CLASSIC BI-METAL BAND SAW BLADES

The Ultimate Multi-Purpose Blade

- Designed for Long Life in General Purpose Cutting Applications
- Patented TUFF TOOTH™ design reduces tooth strippage
- M-42 high speed steel edge for excellent heat and wear resistance



CLASSIC PRO BI-METAL BAND SAW BLADES

The Ultimate Multi-Purpose Blade for Production Cutting

- Exceptional Blade Life
- Robust M42 high speed steel edge provides superior heat and wear resistance
- Cuts a wide range of metals from low carbon steels to higher strength alloys
- Unique tooth geometry and set minimizes noise and vibration from the very first cut
- Smooth, straight cuts when cutting multiple pieces or wide cross sections



Rx BI-METAL BAND SAW BLADES

Engineered to Cut Structurals, Tubing and Bundles

- Long blade life and extreme durability
- Patented tooth profile resists tooth strippage, even at higher feed rates
- Quiet cutting, reduced vibration
- Optimized tooth pitch/set sequence



CONTESTOR GT BI-METAL BAND SAW BLADES

High Performance Sawing

- Straighter Cuts On Larger, Difficult To Cut Materials
- Unique gullet design for increased beam strength
- Optimum Chip Formation In Work Hardening Alloys
- Precision ground teeth—smoother tooth face and gullet surfaces
- Patented special set and tooth profile



CONTESTOR XL BI-METAL BAND SAW BLADES

High Performance Sawing of Large, Difficult to Cut Metals

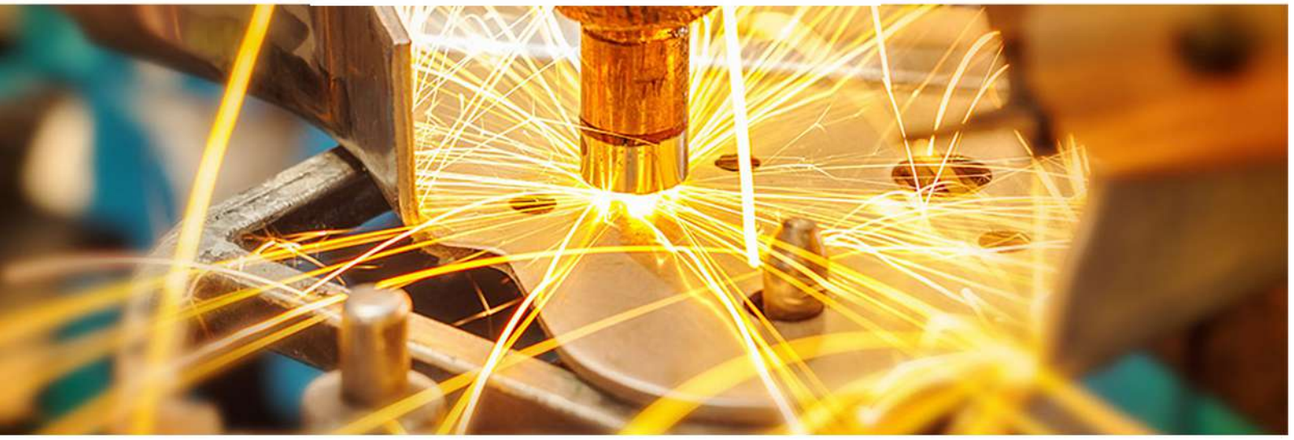
- New HSS edge wire increases tooth hardness for better abrasive wear resistance
- Patent pending chip controlling design reduces heat and wear
- Variable tooth heights and multi-level set creates deeper, narrower chips
- High Rake angles reduce cutting forces
- Optimized Design for Straighter Cuts on Large Blocks



WOODMASTER B-BAND SAW BLADES

Precision Engineered Bi-Metal Blades

- Cuts faster and longer than one-piece carbon steel blades
- Two-piece steel construction provides excellent blade life
- Increased heat and wear resistance
- Cobalt rich, high-speed steel tooth tips
- Increased beam strength for longer fatigue life
- Durable spring steel backing material
- Delivers consistent, reliable performance



MACHINE ACCESSORIES

Lahte Accessories





Milling Machine Accessories





Grinding Machine Accessories





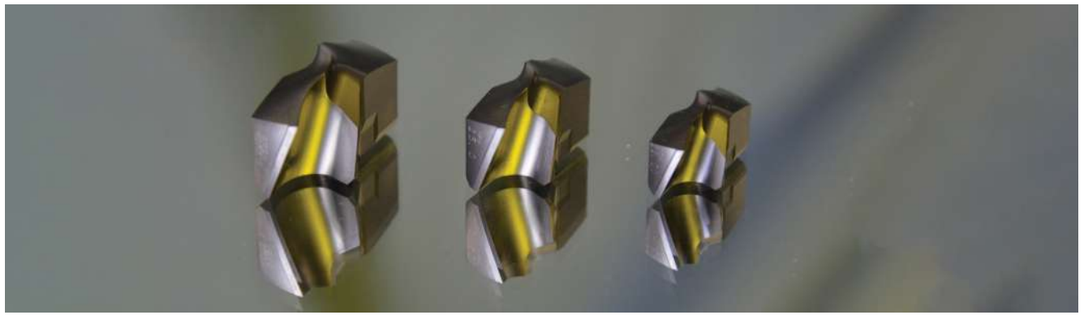
ATLAS ADVANCED INDUSTRIAL EQUIPMENT

PRECISION TOOLING FOR STAMPING AND ROLL FORMING



High quality punches, dies and shear blades that metal fabricators worldwide demand for consistent performance

INNERCOOLANT DRILL BITS



CNC MACHINE TOOLS

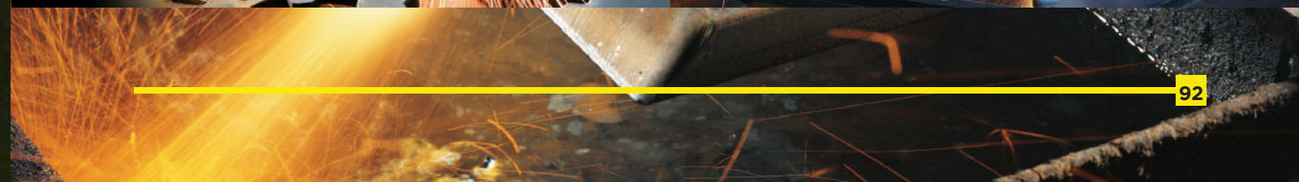




PLASMA CUTTING ACCESSORIES & SPARE PARTS







WELDING CABLES



High quality welding cables that welders worldwide demand for consistent performance

ATLAS ADVANCED INDUSTRIAL EQUIPMENT

INDUSTRIAL MARKERS

As one of the largest manufacturers of industrial paint markers in the world, the J.P Nissen Company has been manufacturing industrial paint markers and paint pens for industrial purposes ranging from manufacturing, and fabrication to construction and design since 1923. Each marker is manufactured to the highest standards for durability, accuracy and long life while still being convenient and ergonomic for constant use.

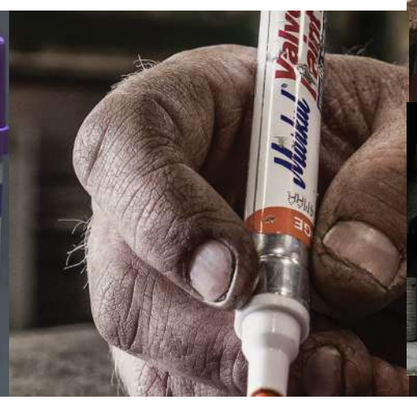
Nissen markers are manufactured to fill the needs of the most demanding professionals. This ranges from the highly varied metal-marking industry to textiles, plastics, glass, lumber/forestry, automotive and many more. Nissen markers deliver for specific uses and environments while remaining versatile to handle a wide variety of materials under almost any surface or environmental condition. We offer full product lines of industrial markers and paint pens for a variety of applications.

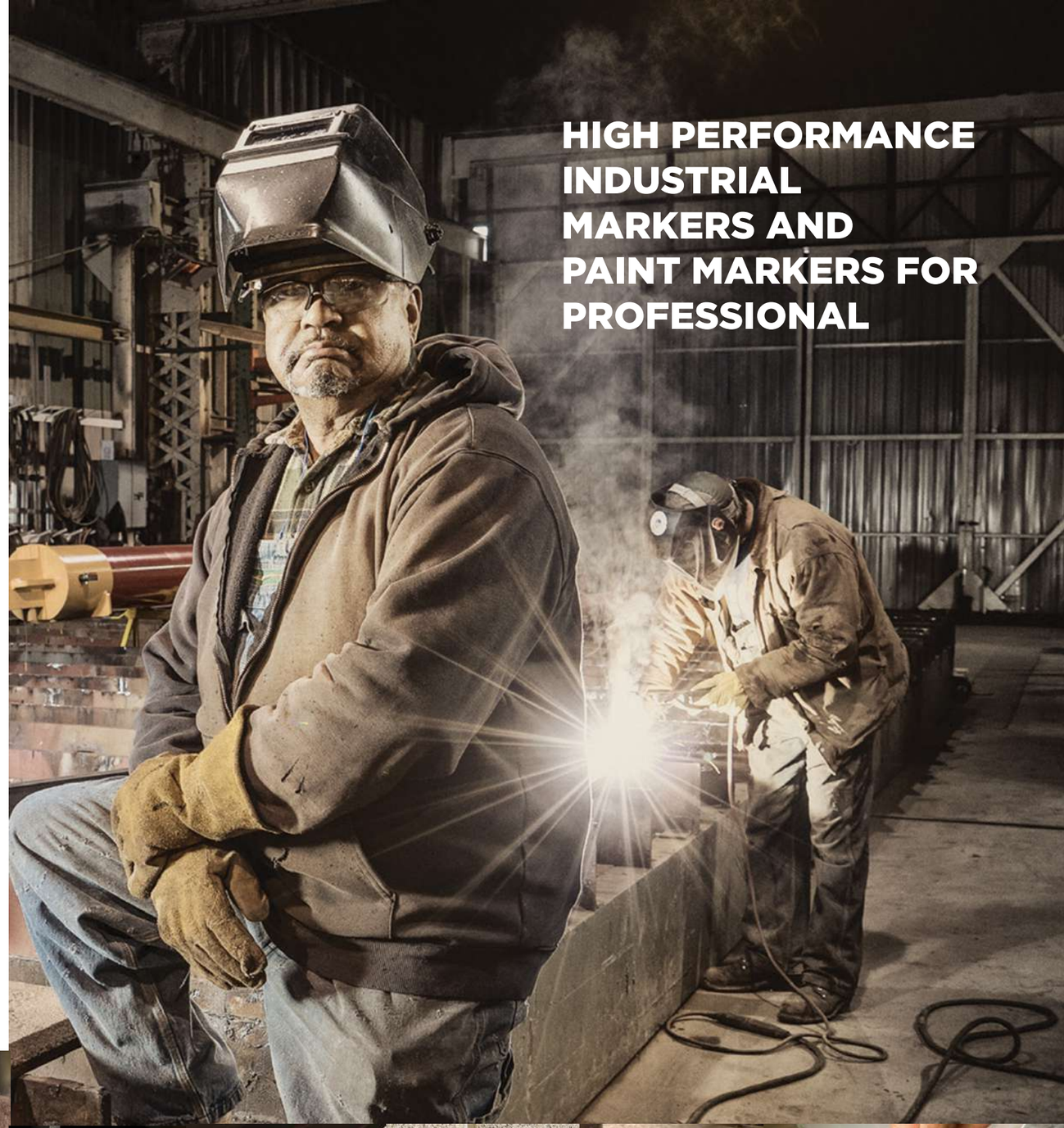
Markal brand is the global leader in high-performance, hand-held industrial marking products. From our manufacturing locations in Elk Grove Village, IL, USA and Blyes, France we produce and sell high-performance industrial markers for the following industries: metal production, shipbuilding, automotive assembly, welding and metal fabrication, building construction, lumber/timber processing, and many more.

For over 80 years, we have been proud to support the hardworking contractors that build the world's great bridges, ships, automobiles, homes, office towers, power plants, and many other engineering marvels with Markal® products.

Today, Markal-branded products are sold around the world in over 60 countries. This broad network of long-term business partners provides our customers the highest level of service.

















ADVANCED INDUSTRIAL EQUIPMENT

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