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Our company has about 25 000 product items, therefore, we can fulfill any demand from the customers, even very specific ones. The present catalogue features only the most popular products.

## WELDING CONSUMABLES



### WELDING WIRES

	ESAB	Beijing MMT	KISWEL
Mild steel	OK Aristorod 12.50, OK Autrod 12.51	BMW50	
Stainless steel	OK Autrod 308Lsi, OK Autrod 316LSi		
Flux cored wire	OK 15.14, OK E71T-1		K-71TLF
Aluminum and its alloys	OK 5183, OK 4043		

### ELECTRODES

	ESAB	LASTEK
Mild and low alloy steel (basic)	OK 48.00	
Mild and low alloy steel (rutile)	OK 46.30	
Stainless steel	OK 61.30, OK 63.30	
Cast iron	OK 92.18	
Hardfacing	OK 84.78	
Aluminum and its alloys	OK 96.50	Lastek 7002
Underwater welding		Lastek 1008
Cutting electrodes	OK 21.03	Lastek 1000
Silver alloys		Lastek 31V, Lastek 39 Lastek 330



## WELDING ACCESSORIES

ESAB offers a comprehensive range of Personal Protection Equipment, covering everything from head to foot, for both welding and cutting and general engineering applications. All ESAB products conform to all relevant EU legislation and standards.

As Health and Safety Standards improve year on year, so does ESAB's commitment to providing a product portfolio capable of meeting the ever increasing demands of the markets we serve.

As you would expect from a leading supplier of welding and cutting solutions, the ESAB product range is second to none for quality and reliability.



### WELDING HELMETS



#### New Tech family

The New-Tech™ welding helmet is an all-new design of reactive welding helmet from ESAB, a market-leading supplier of welding related personal protection equipment. As a result of extensive research into typical application environments and user comfort requirements, the ESAB New-Tech™ helmet range offers a host of new features, which make these new helmets unique. The new "Angular Dependence Compensation" (ADC) of the ESAB New-Tech™ 9-13 ADC and 6-13 ADC ensures that the selected shade covers the full width and height of the LCD screen. The physical design of the helmet shell gives more internal clearance around the nose and mouth for increased comfort and reduced CO2 accumulation.



#### Eye-Tech family

The Eye-Tech™ family consists of eight helmets that represent the professional range within welding helmets. All Eye-Techs are CE (EN379 and EN175), CSA, ANSI, AS/NZA and DIN approved. They all have cartridges powered by solar cells with battery back-up, and are both water proof and shock resistant. These helmets are ergonomically designed, counter balanced for comfort and fully adjustable. The Eye-Tech II can be combined with either Air160/190 respiratory units or with compressed air. The flame resistant head and face seal gives full protection for the scalp as well as to the face. The helmet and the air unit/regulator are connected via the standard Eye-Tech air hose (0468 127 011). Eye-Techs should not be used for laser welding.



#### Albatross family

The Albatross series is a range of passive and very lightweight welding helmets. Albatross helmets provide a complete and flexible system, and can be fitted with hard hats, hearing protectors and fresh air units. The headgear is comfortable and adjustable and the helmets are delivered with chin protection. Approved to EN166 & EN175 and are all CE approved.

### ELECTRODE HOLDERS



### CLAMPS



### GLOVES



### WORK CLOTHING AND SAFETY FOOTWEAR



### SPECTACLES AND GOGGLES



## ELECTRODE DRYING OVENS



## SPATTER PROTECTION

The ESAB anti spatter spray is completely safe, both for the welder and environment. The Eco-Tech is water based and does not contain anything that can interfere with painting, galvanising or any other after treatments. Combines uncompromising efficiency with active environmental and health protection. The High-Tech spray effectively prevents spatter from sticking on the work piece. The High-Tech weld-protect air-spray is absolutely noncombustible, has no toxic classification, uses no harmful gases and is safe for the skin. The propellant is compressed air, it is solvent free and gives no indirect air pollution or contribution to the greenhouse effect. It is absolutely silicon-free and water-soluble.



## FUME EXTRACTION UNITS



The Carryvac 2 P150/P150 AST are two small, lightweight, portable extraction units designed to be carried to the working area. Connected to a welding torch or to an extraction nozzle, the Carryvac 2 units extract the fume directly at source. The polluted air is filtered and captured in a hygienically-packed filter. The Carryvac 2 is equipped with a filter indicator, which shows when the filter must be replaced. It is ideal for maintenance welding, low and medium-duty cycle. The filter capacity is approximately 200kg of solid wire or twelve 15kg spools. The Carryvac 2 P150 AST is equipped with an automatic start/stop function, which increases the service life of each filter and of the unit itself. Please also see ESAB Centrovac extraction torch range.

## WELDING CURTAINS

Three colours are available and all three can be supplied as standard curtains, as well as strip curtains. The self-extinguishing material provides good protection from dangerous welding radiations. The curtains are equipped with press-studs for easy, strong fastening. Conform to prEN1598.



## WELDING AND CUTTING EQUIPMENT

### MIG/MAG WELDING MACHINES



#### ESAB Origo™ Mig C280 PRO/C340 PRO

The Origo™ Mig C280 PRO/C340 PRO are step-regulated compact power sources for MIG/MAG welding. They are designed for light- to medium-duty applications. The Origo™ Mig C280 PRO is a 10 voltage-step unit. The operator can adjust wire-feed speed, burnback time and spot-welding time. The Origo™ Mig C340 PRO is a 40 voltage-step unit. The operator can adjust wire-feed speed and select 2- or 4-stroke control and creep start. Strong, galvanised metal casing and built-in wire feeder make both units practical, mobile solutions.



#### ESAB Origo™ Mig C170 3ph/C200 3ph/C250 3ph

The Origo™ Mig C170 3ph/C200 3ph/C250 3ph are three-phase step regulated welding power sources for MIG/MAG welding. A built-in wire feeder and the low weight of the units make them perfect, practical solutions for farmers, repair shops and light production users.



#### ESAB Aristo™ Mig U4000i/U5000i

Efficient man-machine communication by the user-friendly control panel U6 or Aristo™ U8. Wide range of pre-programmed synergic lines. Aristo™ U8 provides the facility to define and store customised synergic lines for any material or gas combinations. Memory for 10 (U6) or 255 (Aristo™ U8) welding parameters. ESAB LogicPump ELP, secures the automatic start of the water pump by connecting a water-cooled welding torch to the wire feeder or a water-cooled TIG torch TrueArcVoltage System™, measures the correct arc voltage value, independent of the length of the connection cable, return cable or welding torch. Dust filter to handle tough and dirty environments and avoid grinding-dust and metal particles inside the chassis. The Aristo™ Mig U4000i/U5000i operate with the separate wire feeders Aristo™ Feed 3004/4804 U6 and Aristo™ U8.

## MMA WELDING MACHINES



### ESAB Caddy™ Arc 151i/201i

Compact and portable inverter for MMA and TIG welding with electronically controlled LiveTig™ start. Durable and impact resistant design with OKC 50 cable connectors. Easy to operate. Digital display for settings. Adjustable hot-start and arc force for accurate weld setting. ArcPlus™ II regulator for better welding characteristics. Higher weld quality with less after treatment. Two memories for storing of settings. Remote control possibility. Can operate with extra long mains cables, over 100 m, thanks to the built in PFC circuit. Caddy Arc 151i welds most electrodes from  $\varnothing$ 1.6-3.2 mm and some 4 mm electrodes. Caddy Arc 201i welds most electrodes from  $\varnothing$ 1.6-4 mm. IP 23 - designed for outdoor use making it safe on.



### ESAB Caddy™ Arc 251i

Compact and portable three phase inverter for MMA and TIG welding with electronically controlled LiveTig™ start. Durable and impact resistant design with OKC 50 cable connectors. Easy to operate. Digital display for settings. ArcPlus™ II regulator for better welding characteristics. Higher weld quality with less after treatment. Adjustable hot-start and arc force for accurate weld setting (A34). Two memories for storing of settings (A34). Electrode type selector for optimised performance (A34). Remote control possibility. Can operate with extra long mains cables, over 100 m, thanks to the built in PFC circuit. Welds all electrodes from  $\varnothing$ 1.6-5 mm; basic, rutile and cellulosic. IP 23 designed for outdoor use making it safe on all work sites.



### HUGONG Handy Stick-180

Single phase, portable IGBT Inverter stick welder, light, fan-cooled. Very Smooth DC output, arc force, hot start, electric shock prevention, allow  $\pm$ 20% power supply fluctuation and generator friendly. Perfect with overheating, over load, over current, over/lack voltage. Usable electrode: acidic, basic, stainless steel, cast iron, cellulose. Ideal equipment to weld mild steel, mild alloy steel, stainless steel, cast iron in DIY and light industry use.

- Rated output - 30%@160 A.
- Electrode diameter - 1.6-4 mm.

**HUGONG WELDER**



### HUGONG Handy Stick-160

Single phase, portable IGBT Inverter stick welder, light, fan-cooled. Very Smooth DC output, arc force, hot start, electric shock prevention, allow  $\pm$ 20% power supply fluctuation and generator friendly. Perfect with overheating, over load, over current, over/lack voltage. Usable electrode: acidic, basic, stainless steel, cast iron, cellulose. Ideal equipment to weld mild steel, mild alloy steel, stainless steel, cast iron in DIY and light industry use.

- Rated output - 30%@160 A.
- Electrode diameter - 1.6-4 mm.

**HUGONG WELDER**

## TIG WELDING MACHINES



### ESAB Caddy™ Tig 2200i AC/DC

Compact and portable inverter for AC/DC TIG welding, with HF or LiftArc start and MMA. Durable and impact resistant design with OKC 50 cable connectors. Easy to operate. Digital display for settings. Plate thickness setting for TIG (TA33 AC/DC). Set the plate thickness and the machine will control the welding parameters. Adjustable slope down and gas post-flow (TA33 AC/DC). Pulsed TIG (TA34 AC/DC) giving increased control of heat input and weld pool. Two memories (TA34 AC/DC) for storing of settings. Micro Pulse (TA34 AC/DC) minimising heat affected zone especially on thin material. Adjustable slope up/down and gas post-flow (TA34 AC/DC). Remote control possibility (TA34 AC/DC). ArcPlus II regulator for better MMA welding characteristics. Higher weld quality with less after treatment. All types of material, including aluminium, and thickness up to 5 mm. Can operate with extra mains cables, over 100 m, thanks to the built in PFC circuit. IP 23 - designed for outdoor use making it safe on all work sites.



### ESAB Origo™ Tig 3000i

In both DC and AC mode this TIG welding machine will give an excellent start and stable arc. All types of material and thicknesses can be welded with the highest quality. Designed for quality TIG-welding in all types of material. QWave™ - enables AC welding with high arc stability and low noise. AC frequency and balance control optimizes weld pool. DC pulsed TIG welding gives easy control of heat input. ESAB 2-program function. Possibility to pre-program and change program during welding. Easy to use. All parameters presented in an easily comprehensible way. MMA welding, Hot start, arc force and polarity switch.



### HUGONG HANDY TIG 180

Single phase, portable IGBT DC TIG welder, light, portable, fan-cooled. Smooth DC output, HF arc-piloting built-in gas pre-flow, gas post-flow is adjustable, allow  $\pm$ 20% power supply fluctuation and generator friendly. Perfect with overheating, over load, over current, over/lack voltage protection. Ideal equipment to weld carbon steel, stainless steel and titanium or nickel alloy steel in DIY and light industry use.

- Rated output - 40%@180 A.

**HUGONG WELDER**

## MANUAL PLASMA CUTTING EQUIPMENT



### ESAB LPH 50 power cut

A plasma cutting unit designed for small workshops and industrial users. 7.6 m long torch, wheels and handle makes it easy to reach the work at hand. Two step control for easier setting thinner or thicker materials. Cuts gratings without any additional accessory.

#### Delivery includes

PT27 torch, return cable with clamp, stand-off guide.



### ESAB LPH 80 power cut

Designed for industrial users who require good plasma cutting performance at an attractive price. Easy to move thanks to a well-positioned handle and 4 wheels. 3 step control for easier setting thinner medium or thicker material. Can cut gratings without any additional accessory.



### ESAB LPH 120 power cut

Designed for industrial users who require heavy-duty plasma cutting performance at an attractive price. Easy to move, thanks to well-positioned handle, 4 wheels and lifting eyelets. 3 Step control for easier setting thin, medium or thick materials. Cuts gratings without any additional accessory. Also superb for gouging applications.



### ESAB POWERCUT® 875

POWERCUT® 875 is a very powerful plasma cutting package in a tough casing, making it suitable for most plasma cutting applications. It cuts mild steel from thin plate up to 32 mm, and also cuts aluminium and stainless steel. Full Compliance with Harmonics Regulations IEC61000-3-12(2006-08).

## WELDING AUTOMATION



### ESAB 250-35000 AHMA

Positioners for lifting, rotating and tilting. ESAB 250-35000 AHMA positioners are in fact the best answer to the problem of lifting, rotating and tilting demanding workpieces. Height, angle and speed are steplessly adjustable, thus guaranteeing the ideal ergonomic working position. ESAB Positioners exceed the strictest international EN safety requirements ESAB welding positioners are designed and built for tough engineering workshop conditions. All the positioners come with a low voltage (24V) remote control unit for all functions. For daily work, these new positioners offer perfect solutions with optimized motor and gear drive sizes. The positioners of AHMA-series have 3-axis; height, tilting angle and rotation. Thus 3-axis operation is guaranteeing the ideal ergonomic working position. The rotation speed is adjustable by means of new inverter, so called vector inverter. The new technique of vector inverter improves accuracy and offers better rotation torque at very low rotation speeds. All drives are equipped with AC-motors which require less maintenance, no carbon-brush to change. The hydraulics of height and tilt adjustment is equipped with built-in safety valves against hose-damages.

#### Remote control

Easy control by help of a new small remote control with plug and play connection. Even if the remote control is small in size, it is big in features. The same control can be used on all standard positioner/roller bed models. Selecting the functions is carried out merely by connecting the remote control to the equipment and by then choosing the right type of positioner/roller bed from the display. Thanks to the new bus connections the connecting cables are much thinner, lighter and more flexible. In addition to functional keys, the remote control also features, as standard, a display for real rotation speed (rpm). The new positioners are compatible with **PEH process controller**. The whole welding process can be effectively automated.



### ESAB Miggytrac1001

The Miggytrac 1001 is a small, compact, motor powered tractor to which a standard ESAB welding torch can be attached quickly. The four driving wheels, together with the permanent magnet which is fitted on the tractor, guarantee an even, stable movement. The magnet holds the tractor in the correct position on the work-piece, even if it is bent or angled and follows the joint using guide wheels, which can be adjusted to allow the unit to drive itself against the workpiece. The tractor functions as a straightforward remote control for the feed unit; you decide on the travel direction, then start and stop welding from the panel. The panel features additional functions such as travel speed settings (150-1200 mm/min), wire feed speed, voltage, voltage and welding on/off.

#### Cored-wire welding - a process in keeping with the times.

It is easy to mechanize a semi-automatic welding machine using the Miggytrac 1001. The welding speed can be increased significantly, especially when cored wire is used.

**The Miggytrac 1001 is a superb alternative if you wish to automate your GMAW process. The Miggytrac is ideal for use with ESAB's semi-automatic power sources and feed units.**

#### XA00126320

Simply connect the tractor to a suitable semi-automatic power source with a feed unit. Alternatively, an external source can be connected. The automatic welder performs the long and monotonous weld runs.

#### The torch holder

The torch holder is equipped with two manual slides for fine corrections of the torch position. The torch holder has also a rotating slide which gives maximum opportunities to get the best possible torch angle.



### ESAB Railtrac 1000

**Railtrac FW 1000, power source, wire feed unit, welding gun, alu-rail, stiffener bar and cables.**

The **Railtrac FW 1000** consists of a powerful tractor, weaving unit, universal torch holder, programming box and a user friendly remote control unit.

The programming box consists of two sections:

- one for setting of up to five individual programs;
- one for controlling the weaving unit.

The remote control unit is robust and has two potentiometers for adjustment of voltage and wire feed speed during welding as well as the possibility to choose welding program suitable for the welding position.

Interval and backfill functions are standard.

The length of the aluminium rail is 2.5 m and can be used stiff or flexible. The aluminium rail is delivered with magnetic attachment.

In combination with ESAB's semi-automatic Origo™ power sources, Origo™ wire feed units and PSF™ welding guns you have a superb welding automat.



### ESAB A2 Multitrac SAW

A2 Multitrac is designed to put your Submerged-Arc Welding operation on the right track to increase both the productivity and the quality. The compact and efficient design makes it easy to move and to set up the A2 Multitrac between different welding workpieces. The mechanical components are very reliable, even under hard working conditions. Feedback systems on the wire feed and travel unit secure a very good welding result. The A2 Multitrac is designed to use with LAF or TAF welding power sources.

The simple design makes it possible to adjust the nozzle into numerous positions, to best suit the application. The heavydimensioned feed unit with a tachometer feedback secures an even and stable wire feed, and pre-requisite for top quality and homogenous welding. Another feature which ensures constant welding speed is the four-wheel drive carriage which also has a tachometer for feedback.

Pre-setting and control of the welding parameters is done on the operator panel on the A2-A6 Process Controller (PEH). The A2-A6 Process Controller is a digital control system, which is easy to handle by the menus on the display.

The A2 Multitrac for Submerged-Arc Welding can be delivered in two versions, for single or twin wire. When using twin wire the deposit rate is increased by 30-40%. Joint gaps can easily be bridged and there is less risk for burn through. When cladding, the A2 Multitrac with twin wires can easily be set up for a low penetration.

V-guide wheels for guide rail when the welding workpiece lacks a guiding edge when an I-joint is to be welded. Pilot lamps with a light bulb or a laser diode, which projects a luminous spot in the joint.

#### Welding with cored wire - a modern weld process.

The A2 Multitrac can also be used with cored wire. Productivity, economy and welding speed can then be increased.

**Programmed precision with ESAB's A2-A6 Process Controller.**

The digital electronic control equipment with a digital display makes fast programming and control of all welding parameters possible. Ten different weld sets can be stored in the controller. No running-in period is necessary. Adjustments can be done during welding.

**Accessories**

To be able to increase the profitability, there are a number of accessories; specially developed idling rollers, guide wheel boogies in V-joint keeps the automate on track along the joint. The guide wheel boogies can also be used for inside tube welding.



**ESAB CaB 300M**

**A Modularised Column and Boom for integrated weld mechanization Today's industry**

Due to the increased productivity demands, and the increased request of customised solutions, the CaB 300M has been developed. To be able to meet the demands, and adjust to the needs of the industry many times a customised solution could be the only way. With ESAB CaB configuration, the M-model gives the opportunity to build a customised solution with adapted modulus for different needs. All the functions are built in to the remote control, giving a fully integrated package.

**Flexible design**

A robust and stable design together with an adapted integrated electrical design has given a flexible design. There are three options of foundation; steel plate, concrete stand and rail carriage. The column is eccentric to keep the welding head in centre of the base. The boom is driven by rack and pinion and the tachometer gives a stable and smooth motion. The hoisting of the boom is done by a motor on top of the column and with help of a counter balance weight inside the column. Both the lifting chain and the hoisting motor has a high and reliable safety factor. It is also supplied with a safety mechanism that in an event of a break down immediately locks the boom to prevent damage to both personnel and equipment.

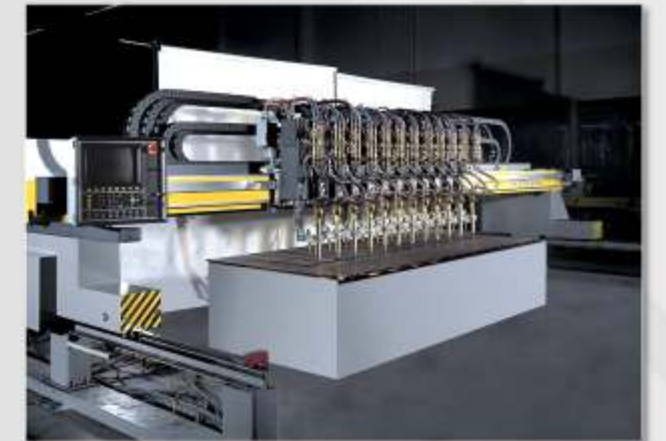
**Individual solutions**

When dressing up the naked column and boom into a complete welding solution, the optional combinations are almost unlimited. In order to facilitate the selection process to result in a specification based on customer's application, there is a computer aided configuration system available. Together with the ESAB representative the customer is able to build up his welding solution, i.e. a specification of the modular components to be assembled and installed at the customer's workshop in a most convenient manner.

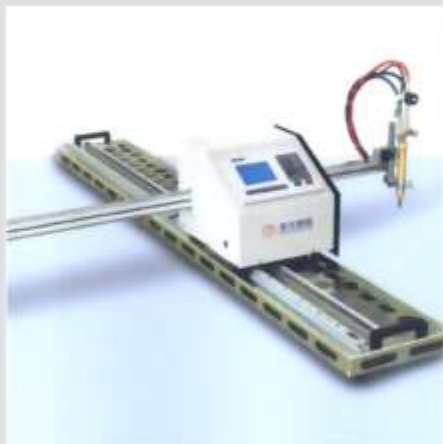
**ESAB CNC PORTAL CUTTING MACHINES**

ESAB is the only manufacturer of cutting machines to offer all of the major cutting processes and handle all parameter settings inside our family of Vision Controllers. This provides you with the most consistent cut quality available whether it is straight cutting or bevel cutting. Continuously providing the highest technology and exceeding our customer's expectations is a constant target ESAB. For 100 years ESAB has been a leader in developing technology related to faster, more economical methods of welding and cutting metals and other materials. Our reputation for providing new process and product innovations at every level in the industry is unsurpassed.

Plasma, Oxyfuel, special devices or any combination of these processes are handled with ease. The Cutting Systems from ESAB raise cutting to new levels of Accuracy and Productivity for applications where previously more costly cutting methods were considered.



**NANFANG CNC MOBILE OXYFUEL/PLASMA CUTTING MACHINES**



This machine has the same function as portal CNC control cutting machine, that is, it can be used to cut complex shapes. It also can be supplied with oxyfuel and plasma cutting systems. It is as mobile as the semi-automatic cutting machine.

This machine has simple programmable nesting. It can be used to manually program the simple shapes or use the programming software to do automatic programs of any complex shapes. This software employs interactive mode. The graphical data is automatically transferred, without any additional code, from AutoCAD directly into the G-code files.

It is very convenient to transmit data using USB interfaces. Its operation is also very easy: the operator can manually operate the machine like a semi-automatic cutting machine, or do automatic cutting like largesized numerical control ones.

It is easy to watch and learn with the 5.7 inch high-resolution liquid crystal display.



**NANFANG**



## GENERATORS



## SPECIAL WELDING UNITS

### ENGINE DRIVEN WELDERS



#### MPM 30/500 DUAL DZ

**DIZEL ENGINE DRIVEN WELDER/GENERATOR 1500 RPM  
TWO WELDING UNITS (2 X 250 A)  
FREE PHASE AND SINGLE PHASE AUXILIARY  
POWER AVAILABLE**

- Welding Processes: SMAW (stick) / TIG Lift Arc / MIG.
- Type Deutz F3L912 - 3 cyl. - 38 HP (28,4 kWm) - 2827 cm<sup>3</sup>.
- Fuel diesel.



#### MPM 5/190 I-EB/H

- Welding Processes: SMAW (stick).
- Engine type Honda GX 340 OHV - 1 cyl. - 11 HP (8,1 kWm) - 340 cm<sup>3</sup>.
- Fuel petrol.
- Cooling system air.
- Starting system manual recoil.
- Fuel tank capacity 6,5 l.
- Fuel consumption @ 75% 2,6 l/h.



#### MPM 8/270 I-EI/H

- Welding Processes: SMAW (stick) / TIG.
- Engine type Honda GX 620 K1 - 2 cyl. - 20 HP (14,7 kWm) - 614 cm<sup>3</sup>.
- Fuel petrol.
- Cooling system air.
- Starting system electric.
- Fuel tank capacity 37,5 l.
- Fuel consumption @ 75% 4,8 l/h.

### POWER GENERATORS



#### MG 7/5 I-HE

**THREE-PHASE POWER GENERATOR / OUTPUT POWER 10 KVA  
THREE-PHASE AND 4 KVA SINGLE-PHASE /  
PETROL ENGINE 3000 RPM**

- Engine type Honda GX 620 K1 - 2 cyl. - 20 HP ( 14,8 kWm) - 614 cm<sup>3</sup>.
- Fuel petrol.
- Cooling system air.
- Starting system electric.
- Fuel tank capacity 29 l.
- Fuel consumption @ 75% 4,8 l/h.

### STATIONARY AND PORTABLE SPOT WELDERS

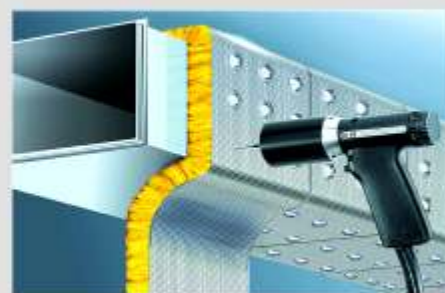


**TECNA®**

### WELDING EQUIPMENT FOR BODY CAR



### STUDS AND PINS WELDING UNITS







## GAS WELDING EQUIPMENTS



### CUTTING TORCHES, HEATING TORCHES AND OTHER GAS EQUIPMENTS



### GAS REGULATORS



### SETS OF METAL CUTTING/HEATING TORCHES



### GAS HEATING EQUIPMENTS



### HAND TORCH SETS



### GAS HEATING EQUIPMENTS



## AIR CLEANING AND CONDITIONING SYSTEMS



### EXTRACTION ARMS



#### Extraction Arm T-FLEX

The *T-Flex* is a wall-mounted telescopic extraction arm with a rotatable hood *RotaHood*®. Incorporated into the hood is a throttle valve that can be fully opened, partially opened or completely closed to control airflow at hood opening. The arm features a focus extraction spoiler, which directs the air into the hood. The arm is provided with an *EasyLift*® advanced friction system for light, user friendly positioning of the arm. The telescopic construction enables the arm to extend over 400 mm which makes it ideal for small workstations or booth applications. The *T-Flex* is equipped with a mounting plate.



#### Extraction Arm FLEX

The *Flex* is a wall-mounted flexible extraction arm with a rotatable hood *RotaHood*®. Incorporated into the hood is a throttle valve that can be fully opened, partially opened or completely closed to control airflow at hood opening. The arm features a focus extraction spoiler, which directs the air into the hood. The arm is provided with an *EasyLift*® advanced friction system for light, user friendly positioning of the arm. The *Flex* is suitable for stationary welding fume extraction systems only.



#### Extraction Arm ULTRAFLEX

The *UltraFlex* is a flexible extraction arm with a rotatable hood *RotaHood*®. Incorporated into the hood is a throttle valve that can be fully opened, partially opened or completely closed to control airflow at hood opening. The arm features a focus extraction spoiler, which directs the air into the hood. The arm is provided with the *BalanceWheel*® spring balance system for ultra-light, user friendly positioning of the arm. The *UltraFlex* is suitable for both mobile and stationary welding fume extraction systems.



#### Extraction Arm ULTRAFLEX 4-LC

The *UltraFlex 4-LowCeiling* is a wall-mounted flexible extraction arm with a rotatable hood *RotaHood*®. Incorporated into the hood is a throttle valve that can be fully opened, partially opened or completely closed to control airflow at hood opening. The arm features a focus extraction spoiler, which directs the air into the hood. The arm is provided with the *BalanceWheel*® spring balance system for ultra-light, user friendly positioning of the arm. The *UltraFlex 4-LowCeiling* is suitable for stationary welding fume extraction systems only. It is particularly suitable to be mounted under low ceilings (min. 2500 mm).



#### Extension Crane NEC

The *NEC* is a wall-mounted extension crane. It is used to extend the reach of an extraction arm to cover very large and/or multiple work areas. The *NEC* is provided with the *HandyStop*® system to lock the base in the desired position (5 possibilities).



#### Flexible extraction arm

The SUS 5/160 is a flexible hose with a suction nozzle, fitted with a magnetic foot. It is supplied with a hose clamp and can be enlarged by an extension hose. The SUS 5/160 is to be connected to a portable extraction fan.

### MOBILE AND STATIONARY FILTER EXTRACTORS



#### Mobile Welding Fume Extractor MFD

The *MFD* is a mobile filter unit with integrated fan that provides extraction and filtration for use with a flexible extraction arm or extraction hose. The *MFD* features an aluminum spark arrester and a square disposable cellulose filter cartridge. This filter cartridge is provided with a precoat to extend the lifespan and the efficiency of the filter. A filter pollution indicator indicates when filter replacement is required. Thanks to the four transport wheels (two of which are swivel casters), the *MFD* is extremely suitable to be used in relatively small facilities or near sources of pollution without a fixed location. Extraction arm/hose to be ordered separately.



#### Mobile Self Cleaning Welding Fume Extractor MFS

The *MFS* is a mobile filter unit with integrated fan that provides extraction and filtration for use with a flexible extraction arm or extraction hose. The *MFS* features an aluminum spark arrester and a round cellulose filter cartridge. This filter cartridge is provided with a precoat to extend the lifespan and the efficiency of the filter. The *MFS* is fitted with a *RoboClean*® system for automatic sectionwise cleaning of the filter cartridge by (externally supplied) compressed air. The dust and dirt particles end up in the dust tray underneath the unit. Thanks to the four transport wheels (two of which are swivel casters), the *MFS* is extremely suitable to be used in relatively small facilities or near sources of pollution without a fixed location.



#### Mobile Electrostatic Welding Fume Extractor MFE

The *MFE* is a mobile filter unit with integrated fan that provides extraction and filtration for use with a flexible extraction arm or extraction hose. The *MFE* features an aluminum spark arrester and an industrial electrostatic filter consisting of two separate sections (ionizer and collector). The *MFE* is eminently suitable for the extraction of welding fumes originating from oil treated steel. The open filter structure ensures a constant suction level. The aluminium filter is easy to clean and the filters do not have to be replaced. Using the convenient slide system the filter can be removed quickly and easily and, because of regular maintenance, the efficiency of the filter remains high. Thanks to the four transport wheels (two of which are swivel casters), the *MFE* is extremely suitable to be used in relatively small facilities or near sources of pollution without a fixed location. Extraction arm/hose to be ordered separately.



#### Stationary mechanical filter SFD

The *SFD* is a wall-mounted filter unit that provides filtration for use with one (FAN 28 or FAN 42) or two (FAN 28) fans and extraction arms. The *SFD* features an aluminum spark arrester and a square disposable cellulose filter cartridge. This filter cartridge is provided with a precoat to extend the lifespan and the efficiency of the filter. A filter pollution indicator indicates when filter replacement is required. The *SFD* requires no electricity.



#### Stationary self cleaning filter SFS

The *SFS* is a wall-mounted filter unit that provides filtration for use with one extraction arm and fan. The *SFS* features an aluminum spark arrester and a round cellulose filter cartridge. This filter cartridge is provided with a precoat to extend the lifespan and the efficiency of the filter. The *SFS* is fitted with a *RoboClean*® system for automatic sectionwise cleaning of the filter cartridge by (externally supplied) compressed air. The dust and dirt particles end up in the dust bin. The *SFS* needs to be connected to a control box.



#### Stationary electrostatic filter SFE

The product is suitable for the extraction/filtration of fumes and gasses from or during the following welding processes: MIG/MAG solid wire (GMAW), MIG/MAG flux cored wire (FCAW), stick welding (MMA or SMAW), TIG (GTAW) welding, autogeneous welding, oil mists. Health-threatening particles in the air, such as chromium, nickel, beryllium, cadmium, lead, etc., shall not be recycled. The extracted air shall be directed outside the operating area. Never use the product for extracting dust particles which are released when welding surfaces treated with primer.

## CENTRAL FILTER SYSTEM SCS



A feature of the SCS central self-cleaning filter system is a filter surface of 150 m<sup>2</sup>. This gives it a clear advantage over competing systems. In addition the SCS is equipped with the unique *RoboCleanPlus* cleaning system for ultra-effective cleaning. The filter is cleaned with powerful thrusts of compressed air, segment by segment, with the residue being caught in a high capacity dust container on wheels. This cleaning method gives the SCS a constant high exhaust capacity, a low level of energy consumption, and a longer filter life span. The *RoboCleanPlus* cleaning system is standard outfitted with a timer, a pressure sensor and integrated software, offering you the following three options as standard features:

- fully automatic cleaning;
- cleaning via programmable time switch;
- immediate manual cleaning.

### Technical specification SCS

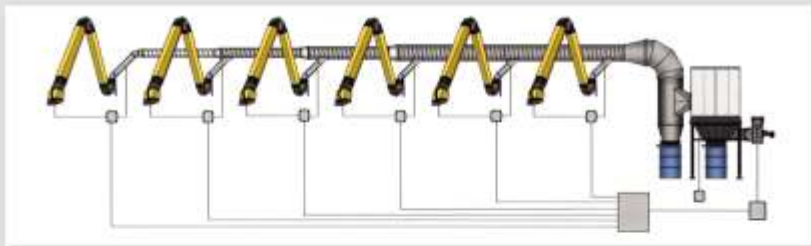
- Can be supplied for all the usual power supply voltages and frequencies.
- Cartridge filter with *SurfacePlus* treatment.
- Filter surface area: 150 m<sup>2</sup>.
- Filter efficiency: up to 99.8%.
- *RoboCleanPlus* automatic filter cleaning inclusive of control box.
- Compressed air connection: 4-5 bar.
- Compressed air consumption: max. 150 NL/min.
- Maximal capacity: 4500 to 9000 m<sup>3</sup>/h (depending on the application).
- To be installed with a pre-separator for sparks and large dust particles.
- Inlet/outlet opening: Ø 400 mm.
- Filter residue container: 100 liters.
- Weight: 250 kg.
- Dimensions (L x W x H): 1200 x 1200 x 2900 mm (exclusive of pre-separator).

The SCS can be used to remove dry welding fume during the following welding and cutting processes:

- MIG/MAG massive thread (GMAW).
- MIG/MAG filled thread (FCAW).
- Electrode welding (MMA or SMAW).
- TIG (GTAW).
- Alumino-thermic welding.
- Autogenous welding.
- Autogenous cutting.
- Plasma arc cutting.
- Steel and stainless steel grinding (not aluminium or magnesium).



SCS su centruiu ventilatoriumi



## EXTRACTION ARMS



### FAN 14

- Power consumption - 0,55 kW.
- Speed - 1400 rpm.
- Noise level - 58 dB(A).
- Unrestricted airflow - 1400 m<sup>3</sup>/h.
- Weight (net) - 14 kg.

### FAN 28

- Power consumption - 0,75 kW.
- Speed - 2800 rpm.
- Noise level - 69 dB(A).
- Unrestricted airflow - 2400 m<sup>3</sup>/h.
- Weight (net) - 15 kg.



### FAN 42

- Power consumption - 1,5 kW.
- Speed - 2800 rpm.
- Noise level - 72 dB(A).
- Unrestricted airflow - 2500 m<sup>3</sup>/h.
- Weight (net) - 44 kg.



### FAN 80

- Power consumption - 3,0 kW.
- Speed - 2800 rpm.
- Noise level - 78 dB(A).
- Unrestricted airflow - 8000 m<sup>3</sup>/h.
- Weight (net) - 76 kg.



### FAN 120

- Power consumption - 7,5 kW.
- Speed - 2920 rpm.
- Noise level - 82 dB(A).
- Unrestricted airflow - 11000 m<sup>3</sup>/h.
- Weight (net) - 150 kg.



### FAN 55

- Power consumption - 1,5 kW.
- Speed - 2800 rpm.
- Noise level - 74 dB(A).
- Unrestricted airflow - 5500 m<sup>3</sup>/h.
- Weight (net) - 41 kg.



### FAN 150

- Power consumption - 11,0 kW.
- Speed - 2920 rpm.
- Noise level - 84 dB(A).
- Unrestricted airflow - 14500 m<sup>3</sup>/h.
- Weight (net) - 225 kg.



### Portable Extraction Fan MNF

The MNF is a portable fan that provides extraction in confined spaces and other hard to reach areas. For this purpose an extraction hose needs to be connected. Exhaust and/or extension hose is optional. The MNF is mounted on a frame for easy removal. A motor protection switch prevents overheating of the motor. The MNF does not provide filtration.

The MNF is intended to be used for the following applications:

- MIG-MAG/GMAW welding;
- FCAW welding;
- TIG welding;
- stick/MMAW welding.

### Technical specification MNF

- Power consumption - 0,75 kW.
- Speed - 2800 rpm.
- Noise level - 69 dB(A).
- Unrestricted airflow - 1300 m<sup>3</sup>/h.
- Weight (net) - 17kg.

## DOWNDRAFT TABLES



### DFD

Economic variant, it can be used for welding school or other not heavy work.

### DFS

Medium variant, it can be used for simple works.

### DFS/A

Premium variant, it can be used for very heavy works.

The tables are intended to be used for the following applications:

- MIG-MAG/GMAW welding;
- TIG welding;
- FCAW welding;
- Stick/MMAW welding;
- Grinding;
- Cutting (max. 50 A);
- Polishing.

### Technical specifications

- Dimensions (L x W x H): 1380 x 1005 x 920 mm.
- Dimensions work grid (L x W): 1366 x 750 mm.
- Noise level: 74 dB(A).
- Connection voltage: 400V/3~/50Hz.
- Power: 2.2 kW.
- Weight: 245 kg (DFD); 255 kg (DFS and DFS/A).
- Filter surface area: 2 x 26 m<sup>2</sup>.
- Filter efficiency: > 99.9%
- Filter class: M.
- HEPA filter class: 11.
- Extraction capacity: 2500 m<sup>3</sup>/h.



## PUSH PULL



### Euromate's push/pull-system consists of 4 components:

- the suction conduit;
- filter unit;
- centrifugal fan;
- a blow/return conduit.

This system working in full 100% recycle mode.

### Filter unit

The suction conduit is connected to an SCS type filter unit. This is a stationary filter unit incorporating automatic pneumatic filter cleaning system. The polluted air is captured and cleaned in a 3-stage filter system which has a surface area of 150 m<sup>2</sup>, and an efficiency of 99.9%. An integrated microprocessor controls the pressure increase over the filter system. The cleaning mechanism can be triggered by a timer as well as by a pressure differential switch. The SCS unit has an external compressed air connection. The residue is collected in a waste container that can be emptied easily.

### Fan

A centrifugal FAN 120 unit with an extraction capacity of 9,000 m<sup>3</sup>/h at 2200 Pa pressure, is mounted downstream of the filter unit. The fans electric motor has a power rating of 7.5 kW, rotating at 2,800 RPM. The FAN 120 has a starter unit, and is mounted in a soundproof housing. An optional remote control is available.

**KEMPER**

### The solution for indoor air pollution in the industry

Welders perform better when they can work under comfortable conditions. Effective welding fume control contributes significantly to a cleaner and healthier work environment, higher productivity and a reduction in the absentee rate.

### Continuously clean indoor air

Welding fumes are made up of combustion gasses and small metal particles. The fumes rise on the current of warm air generated by the arc process, then as they cool, form a layer above the workshop floor. Euromate's push/pull-system moves this layer in a controlled manner at a particular height and then filters and recirculates the air. This way, the small welding fume particles cannot cool down and return to the working level, and a cleaner work environment is thus created.

### When to use push/pull-systems to create a cleaner work environment?

- Extraction at source is impossible.
- Large pieces of metal fabrication.
- Welding takes place at continuously changing locations.

## EXTRACTION UNIT WITH AUTOMATIC FILTER CLEANING



**Central filter systems for extraction welding fumes and other dangerous dust.**

**Central filters for plasma cutting tables.**

**Central filters for laser cutting tables.**

Total volume of air from 2000 m<sup>3</sup>/h till 34 000 m<sup>3</sup>/h. Material of filter cartridge special KemTex® ePTFE-membrane.

## SAFETY ELEMENTS OF WELDING WORKING PLACES



Various type and colors welding strip curtains.



Sound insulating partitioning wall system.



Various type and colors welding curtains.



Welding-working tables.

- Dimensions:
- 600x600x800 mm;
  - 900x600x800 mm;
  - 1200x600x800 mm.



## CENTRAL EXTRACTION SYSTEMS



Metal work industry.  
Wood work industry.

## FUMES EXTRACTION UNITS



Painting applications.  
Auto car garage.



## AIR COMPRESSORS

Atlas Copco

MARK

### PISTON COMPRESSORS



The compressor block is manufactured using light-weight automotive-type materials which provide excellent cooling characteristics as well as vibration level. Designed with the highest attention to detail air compressors stand for exceptional reliability and minimum maintenance.

- Maximum working pressure 8 - 30 bar.
- Installed motor power 1.5 - 15 kW.
- FAD (free air delivery) at max working pressure 0.2 - 1.43 m<sup>3</sup> /min.

### ROTARY SCREW COMPRESSORS



Atlas Copco screw compressors have always set the standard for reliability and performance in the compressed air industry.

- Maximum working pressure 7.5 - 13 bar.
- Installed motor power 2.2 - 250 kW.
- FAD (free air delivery) at max working pressure 0.24 - 43.8 m<sup>3</sup> /min.

### SPECIAL COMPRESSORS (OIL FREE)

- Oil free centrifugal compressors
- Oil free screw compressors
- Oil free turbo compressors
- Oil free piston compressors
- Oil free scroll compressors

## AIR TREATMENT EQUIPMENT

### REFRIGERANT DRYERS



- Dew point +3°C.
- Capacity drying process 0.36 - 69 m<sup>3</sup> /min.

### ADSORPTION DRYERS



- Dew point -70°C.
- Capacity drying process 0.12 - 20.4 m<sup>3</sup> /min.

### COMPRESSED AIR FILTERS



#### Filter type

- Coalescing filters
- Particulate filters
- High efficiency particulate filters
- High efficiency coalescing filters
- Carbon filters

#### Oil aerosol

0.1 mg/m<sup>3</sup>  
-  
0.01 mg/m<sup>3</sup>  
-  
0.003 mg/m<sup>3</sup>

#### Particles

1 µm  
1 µm  
0.01 µm  
0.01 µm  
-



EWD electronic water drain



OSC oil-water separators



Air tanks



## PNEUMATIC TOOLS

*Atlas Copco*

### PNEUMATIC ASSEMBLY TOOLS



Get it together fast and accurate. With ergonomically designed screwdrivers, pulse tools, nutrunners and impact wrenches from Atlas Copco. Correct grip diameters reduce reaction forces, vibration and noise levels. High power-to-weight ratios ensure maximum operator comfort.

### GRINDERS



With Atlas Copco grinders, you can rely on maximum material with minimum effort and, of course, higher productivity. The wide range of Atlas Copco grinders covering virtually all applications. Ergonomic design lets reduce vibration and noise level.

### DRILLS



Pick up any Atlas Copco drill... It fits snugly in your hand. The anatomic design of the grip keeps the arm and wrist straight, reducing the risk of injury. The perfect balance of the tool enables you to guide it smoothly and easily. The high power-to-weight ratio means maximum stock removal in the shortest possible time. The chuck guard protects fingers, allowing a two-handed grip and comfortable guiding of the drilling operation.

### PERCUSSIVE TOOLS



Atlas Copco percussive tools make light of the toughest jobs. The compact, vibration-controlled design offers good accessibility and ease of use. Ergonomic design lets reduce vibration and noise level as well as to minimize operator fatigue.

### AIRLINE ACCESSORIES



Airline accessories mean correct air pressure, whatever the conditions. Atlas Copco quick couplings ensure low pressure drop and to economize the energy. An additional accessories ensure easy connecting and usage.



## ELECTRIC TOOLS



Milwaukee is an industry manufacturer of the power tools and accessories for professional users. Milwaukee's reputation is based on producing reliable, durable, high quality power tools and accessories. Through the continuous development of break through technology and new products, Milwaukee meets and exceeds the needs of professional tool users. Milwaukee's ability to address user needs is based on extensive and user research, stringent benchmark as well as demanding laboratory and in-field user testing. What does this all mean to you as a professional? Tools that will never let you down.

### COMBIHAMMERS



- Automatic lubrication system for long life time.
- AVS (Anti Vibration System) and soft grip on front and back handle.
- ELECTRONIC SOFTSTART - for precise start of drilling and chiseling.
- Constant electronic for keeping the speed uniform even under load.

### DRILLS



- Electronic torque control.
- Metal gearbox for optimum seating of the gears and longer life.
- Electronic accelerator switch.
- The speed adjustment in advance.
- Hammer action stop for rotary drilling

### GRINDERS



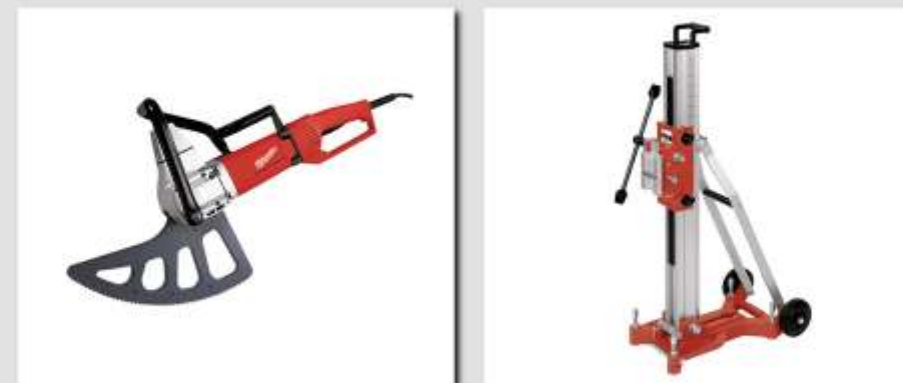
- AUTOBALANCER for reduced vibration of discs.
- FIXTEC - flange nut for fast and easy change of discs.
- Protection from dust.
- Automatic cut-out carbon brushes.
- Soft start and line-lock out function.

### CORDLESS TOOLS



- Cordless combihammers.
- Cordless drills and screwdrivers.
- Cordless impact wrenches.
- Cordless lamp.
- Cordless band saw.
- Cordless grinders
- Cordless saw.
- Cordless jig saw.

### SPECIAL TOOLS



- Diamond drilling tools.
- Concrete cutting, milling and grinding tools.
- Cutting tools.
- Metal, stone and wood working tools.

### AN ADDITIONAL EQUIPMENT



- Battery / chargers.
- Vacuum cleaners.
- Bits.
- Diamond core bits.
- Filters.
- Suction hose and etc.
- Tools cases.



## INSTRUMENTALITY AND CONSUMABLES FOR METAL WORKING



### CUTTING DISCS FOR STEEL AND STAINLESS STEEL



Dimensions:

- diameter from 100 mm till 230 mm;
- thickness from 1 mm till 2,5 mm.

### CUTTING DISCS FOR PORTABLE CUTTING MACHINES



Rail profile cutting.

Dimensions:

- diameter from 300 mm till 350 mm;
- thickness from 2,5 mm till 4 mm.

### CUTTING DISC FOR STATIONARY CUTTING MACHINES



Dimensions:

- diameter from 250 mm till 800 mm;
- thickness from 3 mm till 9 mm.

### GRINDING DISC FOR GRINDING STAINLESS STEEL, STEEL, ALUMINIUM AND STONE



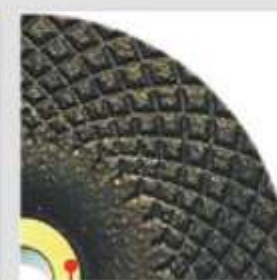
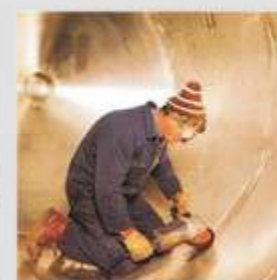
1. Dimensions:

- diameter - 125 mm;
- thickness - 4 mm.

2. Dimensions:

- diameter from 115 mm till 230 mm;
- thickness from 6,5 mm till 8 mm.

### FLEXIBLE WHEELS (TURBOTWISTER) STAINLESS STEEL, STEEL, ALUMINIUM AND STONE FOR FINISHING JOBS.



Dimensions:

- diameter from 100 mm till 230 mm;
- thickness from 6,0 mm till 8 mm.

### FLAP DISCS FOR STAINLESS STEEL, STEEL AND ALUMINIUM



Type: Conical and Flat.  
Grit: from 36 till 120.

Dimensions

- diameter from 115 mm till 178 mm.

### CERAMIC BONDED WHEELS MOUNTED ON SHAFT FOR FINE FINISHING



#### Mounted flap discs

Dimensions:

- diameter from 30 mm till 80 mm;
  - thickness from 10 mm till 50 mm.
- Grit: from 40 till 320.

### OTHER GRINDING MATERIALS



#### Wheel brushes for grinding, cleaning of various metal surfaces and welding seams

Dimensions:

- diameter from 100 mm till 178 mm;
- thickness from 6 mm till 13 mm.



#### Cup brushes for grinding, cleaning of various metal surfaces and welding seams

Dimensions:

- diameter from 65 mm till 170 mm.







## 3M COMFORTABLE PROTECTION FOR SAFER JOBS

### AUTO-DARKENING WELDING HELMETS



#### Speedglas 9100

Newest series of helmets

- Dark state: 5, 8, 9 -13.
- Suitable - MMA, MIG/MAG, TIG and plasma cutting.



#### Speedglas 100

Newest economic series of helmets.

- Dark state: 8, 9 -12 or only 10 and 11.
- Suitable - MMA, MIG/MAG and TIG.



#### Speedglas SL

Newest super Lightweight helmets.

- Dark state: 8, 9 -12.
- Suitable - MMA, MIG/MAG and TIG.
- Weight - only 370 g.

### PERSONAL PROTECTION ADFLO POWERED AIR RESPIRATORY SYSTEM



The Adflo™ Powered Air Respirator is specially designed for welders using the award-winning Speedglas™ 9000 Series Welding Shields. All Speedglas shields for the Adflo respirator are fitted with the Speedglas Side Windows as standard, in order to enable good peripheral visibility - an important factor for both comfort and safety.

An adaptable system that saves money. With the right type of filter the Adflo respirator effectively protects against both particles and gases - all in one system. And you can selectively replace either the particle or the gas filter as needed: you don't need to change both filters at the same time.

### PERSONAL AIRWAY PROTECTION PRODUCTS (respirators, half mask, full mask)



### EYE PROTECTION (GOGGLES)



## FEZER VACUUM TRANSPORT TECHNOLOGY

### VPL (VACUPOWERLIFT) VACUUM TUBE LIFTERS

- Carrying capacity: 25-140 kg.
- Stroke speed: 50 m/min.

#### Applications



Glued or strapped boxes



Drums



Concrete plates



Paper or plastic sacks



Electronic devices



#### Slewing jibs

- SSK - column slewing jibs.
- WSK - wall mounted slewing jibs.
- The length of jib: 2000-6000 mm.
- Carrying capacity: 60-250 kg.

### VACUUM LIFTERS FOR THE SPECIAL APPLICATIONS

Carrying capacity: 300-15000 kg.

#### Applications



Porous materials: MDF, HDF, OSB, chipboards



Glass and window panes



Steel sheets



Paper rolls and pipes

### VACUTOOLS - VACUUM COMPONENTS



Suction plates



Vacuum generators



Vacuum control valves

## PIPE CUTTING AND BEVELING MACHINES



### STATIONARY PIPE CUTTING MACHINES



- Pipe - steel and stainless steel;
- Pipe - outside diameter (12 mm till 325 mm).

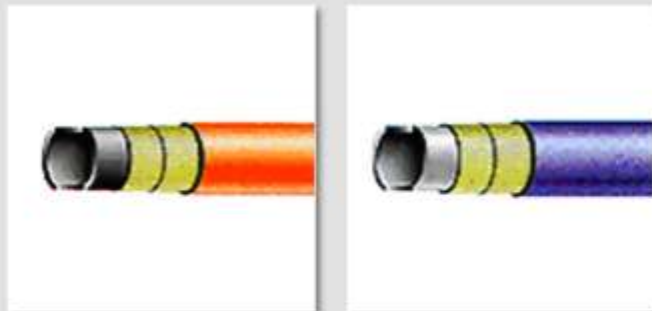
### PORTABLE PIPE CUTTING MACHINES



- Pipe - steel and stainless steel;
- Pipe - outside diameter (20 mm till 360 mm).

## RUBBER HOSES FOR GAS

**ALSANTÈ, UAB**



- Rubber hoses for acetylene, propane-butane and oxygen:
- Twin rubber hose for gas (diameter - 6,0 mm and 9,0 mm).

## WELDING CABLES



- H01N2-D - NEOFLEX**  
Dimensions - from 10 mm<sup>2</sup> till 95 mm<sup>2</sup>



## SERPANTINAS SERVICE

- Installation, service and rent of air compressors. Installation of compressed air and other pressure systems.

- Installation of air cleaning, ventilation and conditioning systems.

- Welding equipment and electric tools warranty and after-warranty repairing and consulting.

- Mild and alloyed steels welding.

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