



escco

PROJECTS | AUTOMATION | CONSULTANCY | SERVICING | INSTALLATION



WELDING TABLES



FUME EXTRACTION



TIG WELDING



MIG WELDING



PLASMA CUTTING



COBOT WELDING



WELDING PPE



PMUC APPROVED PRODUCTS

Trusted By



babcock[™]



Balfour Beatty



SPECIAL METALS



MANCHESTER
1824
The University of Manchester




Royal College of Art



About ESCCO

ESCCO is a supplier of leading brands that are well established in the industry, backed by half a century of accumulated technical expertise.

We provide a cradle-to-grave approach to all our projects and larger turn-key solutions. Our team prides itself on its positive record for Automation Consultancy, Project Management, Installations, & Servicing.





Cobot Welding Systems

Truly Collaborative Automation

The global leader in automation. Universal Robots provide the solution to the ever-increasing demands for labour in industry.

Unlike industrial robots, Cobots are designed to work collaboratively with people in the same environment. This removes the need for complex safety barriers and cages.

Skilled welders/fabricators can focus on intricate work that demands their skillset, whilst the Cobot handles the more monotonous tasks.



Industry Leading Brands

In partnership with industry-leading brands, our Cobot Welding System includes a Universal Robots cobot arm, Smooth Robotics welding software, Fronius or Miller automated MiG welder, & a Siegmund Welding table to bring it all together.

Smooth Robotics SmoothTool

Developed exclusively for Universal Robots, it simplifies complex welding processes, allowing you to focus on what matters. Finished parts. SmoothTool is plug-and-play for a variety of power sources, including our preferred partners, Fronius & Miller. Whilst we recommend these two manufacturers, any power source can be used with SmoothTool via the RetroFit Kit.

Installation, Commissioning & Training

Demonstrations are available at ESCCO HQ, or our automation specialists can come and visit your site to see if your parts are suitable for automation.

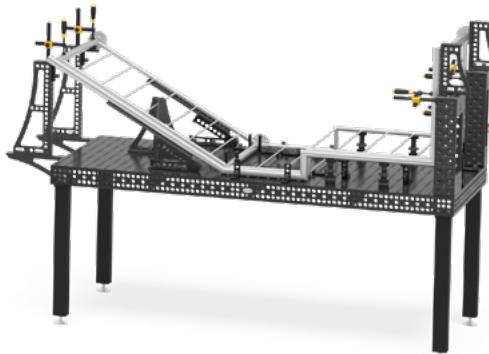
ESCCO offers our automated Cobot welding package as a complete turnkey solution. This includes onsite Installation, commissioning, and training operators on how to get the most out of their Cobot.



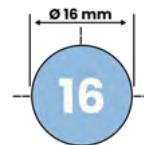


Siegmund welding tables come in many different shapes, sizes and materials and can be chosen depending on your specific needs. We also offer other products to go with your welding table. We have a variety of different tooling sets in various sizes which are an essential accessory for your welding table.

ESCCO hold a large range of Siegmund welding tables and tooling in stock at our facility in Hereford. We also offer demonstrations in-house, via Teams/Zoom or even on site should this be required.



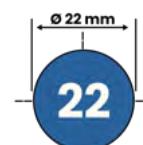
System 16



- 16mm Borehole
- 12mm Thick Plasma-Nitrided Steel
- Ideal for lighter-duty fabrication



System 22



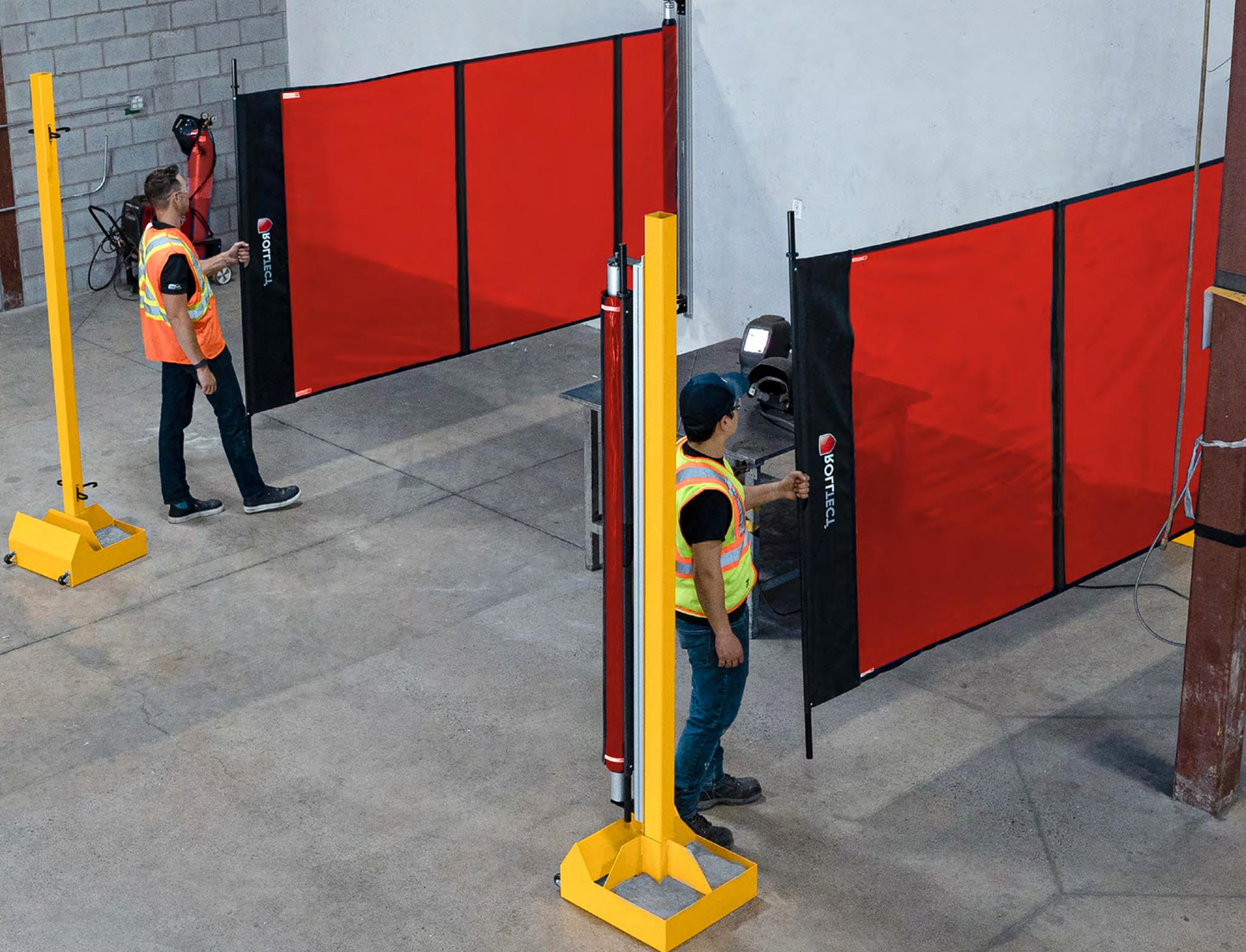
- 22mm Borehole
- 18mm Thick Plasma-Nitrided Steel
- For medium-duty fabrication



System 28

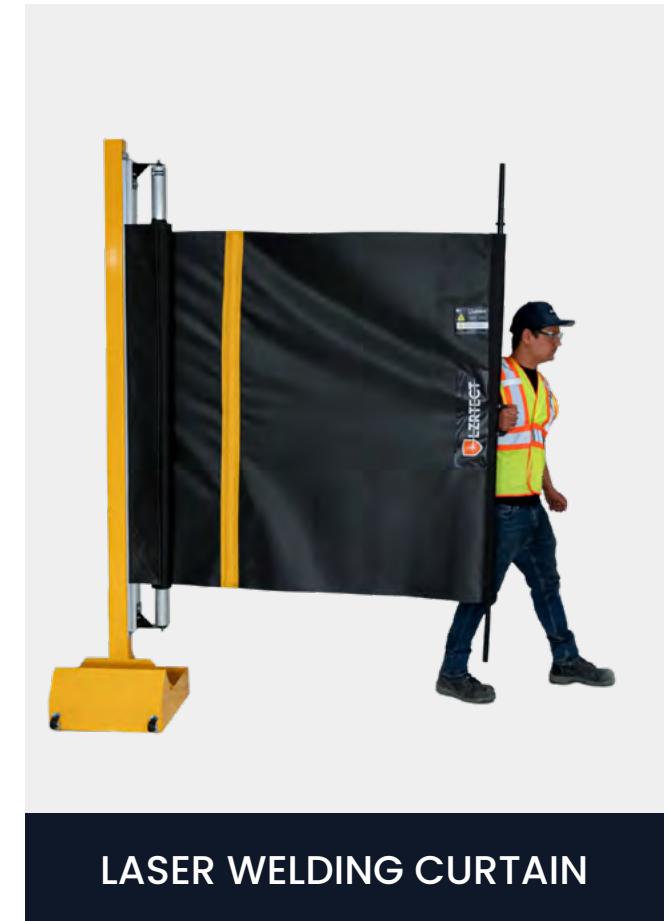


- 28mm Borehole
- 25mm Thick Plasma-Nitrided Steel
- For heavy-duty fabrication



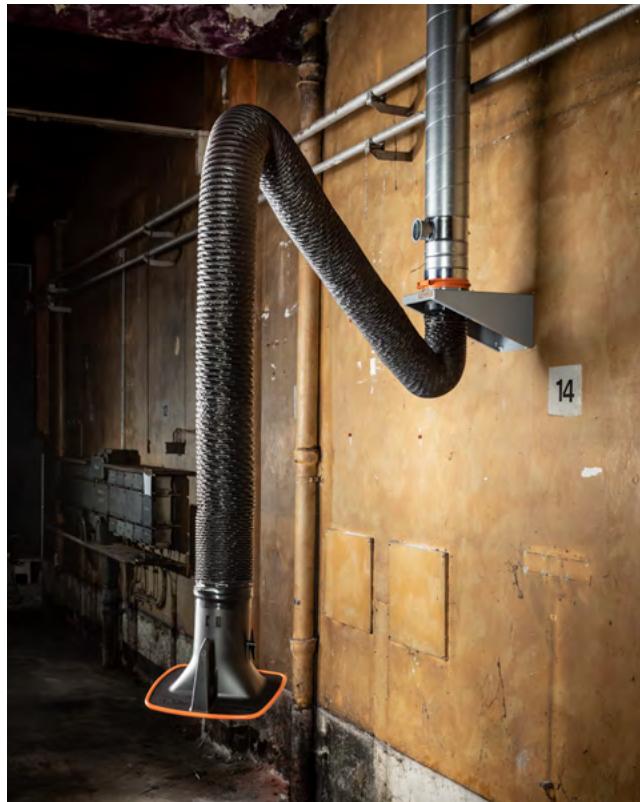
Comprehensive Welding Protection

The Shaver Industries retractable welding curtains will fit seamlessly into your workshop and offer unlimited variations and fast setups. The industrial welding curtains are locked in place from a secured location. Either a Fixed mounting post & base or a Mobile mounting post & base, and are easily unlatched and retracted. Each curtain includes one pair of J-hooks, and mounting options are sold separately.





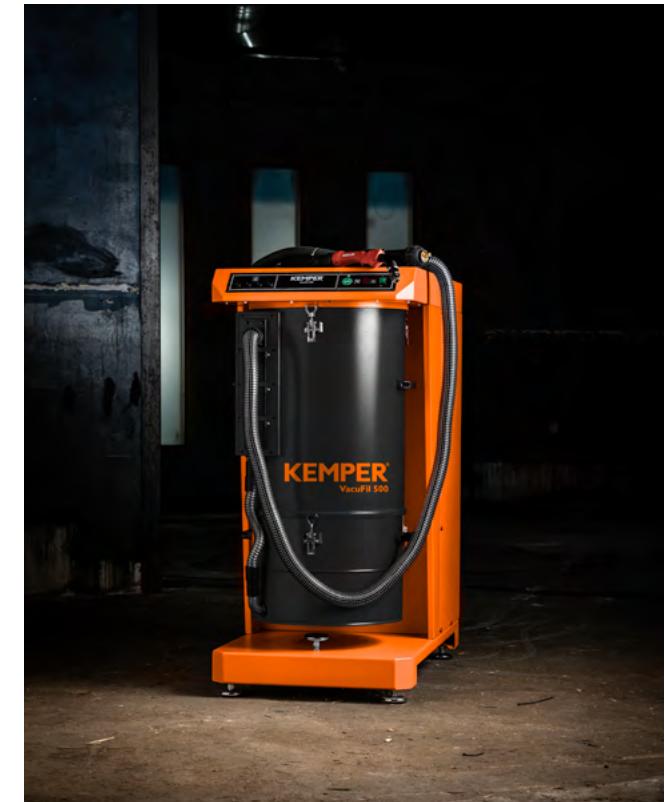
escco have partnered with KEMPER to provide a wide scope of premium fume extraction equipment into the metal fabrication markets. We've supplied the KEMPER solutions into a number of industries including construction, automotive, nuclear, shipbuilding and general engineering. For some of the bespoke client requests, we also provide our own installation and LEV testing as a complete turnkey package. All of our work is completed to full satisfactory of the HSE and Health & Safety measures.



EXTRACTION ARM



MOBILE EXTRACTION



ON-TORCH EXTRACTION



Magnetic Lifting Solutions

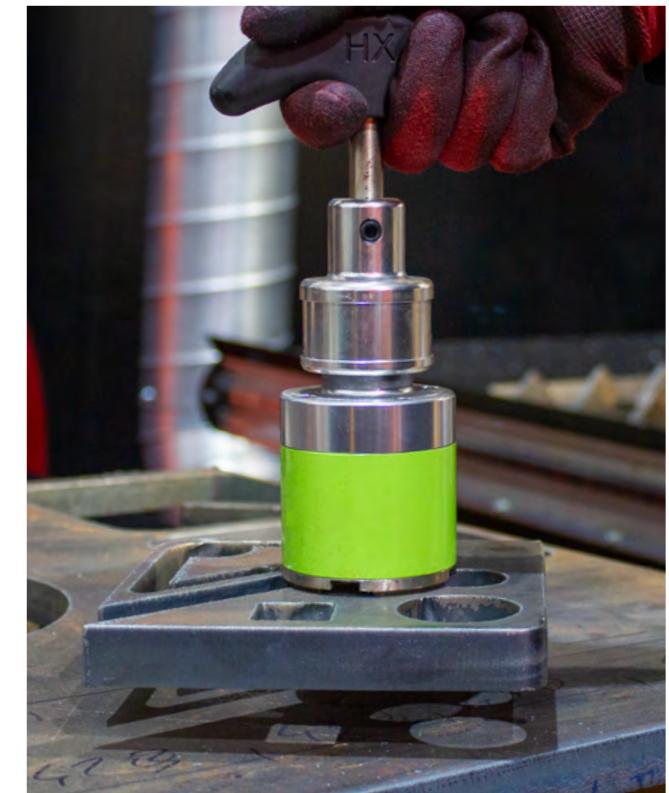
Flaig Magnetsysteme is the leading manufacturer of permanent and electro-permanent magnet systems. Flaig Magnets are used in a wide range of metal processing industries from robotic CNC tending, to toolmaking & warehousing. In addition to a wide range of standard lifting magnet technology, Flaig Magnetsysteme offers bespoke Magnets and lifting solutions.



PERMANENT LIFTING MAGNETS



ELECTRO-PERMANENT
LIFTING MAGNETS



SPECIAL SOLUTIONS

KUTAVAR

Plasma CNC Cutting Machines

KUTAVAR is designed to push the boundaries of the market sector it sits within, simply by introducing component design and tolerances that are unrivalled, only present in larger-scale machinery sectors.

Designed to micron (μm) tolerances, not millimetres, components are precision machined from graded aluminium alloy tooling plate.

In addition to Oxy-Fuel Cutting, KUTAVAR CNC machines are powered by the two leading global brands in plasma cutting, Hypertherm and Kjellberg.



KUTAVAR

Laser CNC Cutting Machines

With experience in the plasma market for over two decades, an increasing number of our customers have consistently demanded higher-quality parts.

We have partnered with **LD Laser** to offer fully integrated, compact CNC laser cutting solutions between 2 kW and 20 kW.

*We can also offer automatic changeover beds up to 12.5m x 2.6m and 120 kW.





Miller

Welding Machines, Consumables & Spares

Miller is one of the world's largest manufacturers of arc welding and cutting equipment. Serving world-class welding equipment & consumables to those in fabrication, construction, aviation, motorsport, education, agriculture, marine & more.

This American renowned brand has an extensive portfolio of superior welding equipment including MIG/MAG, TIG, MMA and welding generators.

Miller have a world-class range of arc welding and cutting equipment for all sectors of industry. The heavy duty equipment with its ease of use attracts all welders to their product offering. The Pulse functions for MIG/MAG processes are unparalleled, supported with reduced fumes and no weld spatter.





Welding Machines, Consumables & Spares

Fronius welding machines are technology driven products with the highest levels of quality, cost effectiveness, energy efficiency, and robust design for any working environment.

The digital control ensures an exceptionally stable arc and 100% reproducible welding results. Intuitive and smart operating concepts make your life easier.

Every Fronius welding machine is an innovative and powerful solution you can use to complete all your welding tasks in an instant. Whether it's for Stick, MIG or TIG, Fronius is a welding technology leader and offers the ideal product solution for all welding processes.





Plasma Cutters, Torches & Consumables

Hypertherm are shaping the future with cutting and gouging solutions that can make anything possible.

From aerospace to agriculture and energy to infrastructure, the people, brands, and technologies of Hypertherm Associates are already found everywhere. Advanced manufacturing is happening around the globe.

Hypertherm is the market leader of industrial plasma cutting technologies with a range of power units and consumables covering the whole spectrum of cutting.

The most popular models comprise of Powermax, Maxpro & XPR with a spectrum of both hand and machine cutting torches to suit.





Handheld Laser Welding

Maximise efficiency with low consumable use and energy-saving performance, cutting both costs and time. Enjoy high repeatability, reduced post-weld cleanup, and simple operation that requires minimal training. Weld a wide range of materials, including dissimilar metals, and elevate your productivity.

Laser welding has unique HSE standards compared with other forms of welding. As such we offer several Class 4 Laser Welding Enclosures that include class 4 enclosures of various sizes, built in compliance with IEC 60825-4. Ensuring safety for both the operator and the workshop.

On-site Laser Welding demonstrations are available throughout the UK.





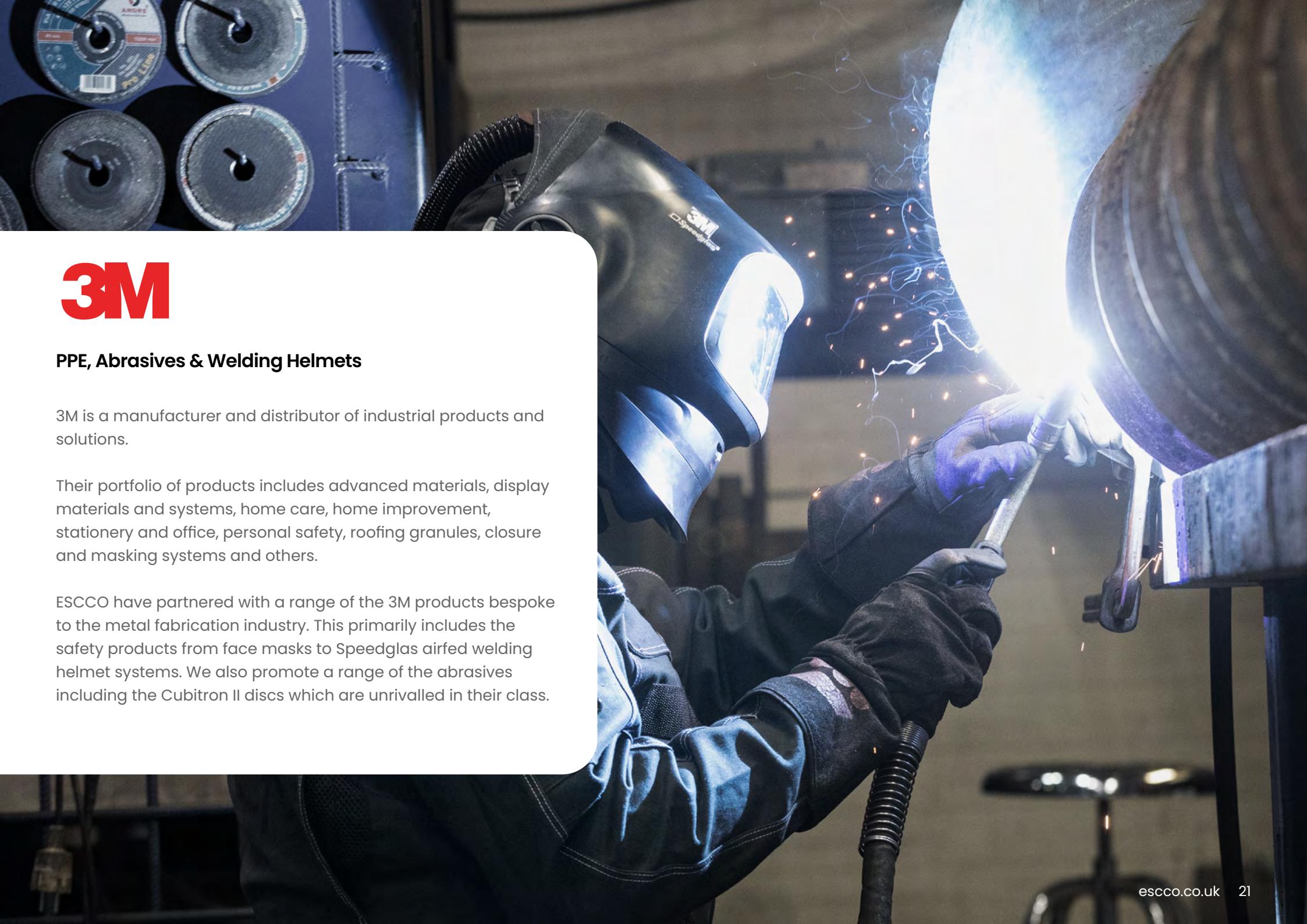
Premium Abrasives for the Welding Industry

Founded in 1953, SAIT is today one of the most important companies on the European and world scene for the production of rigid and flexible abrasives for industrial use.

Here at ESCCO, we offer a wide selection of SAIT abrasives from cutting discs, to sanding belts and ceramic discs for the welding and engineering industry.

SAIT have supported ESCCO for many years with a wide range of their abrasive products supplied from their factories in Italy. Although they offer solutions for wood & stone, our main focus has been targeted on the metal working finishing sectors. The range includes premium slitting, grinding, cutting & sanding discs along with emery sheets, rolls, etc.





3M

PPE, Abrasives & Welding Helmets

3M is a manufacturer and distributor of industrial products and solutions.

Their portfolio of products includes advanced materials, display materials and systems, home care, home improvement, stationery and office, personal safety, roofing granules, closure and masking systems and others.

ESCCO have partnered with a range of the 3M products bespoke to the metal fabrication industry. This primarily includes the safety products from face masks to Speedglas airfed welding helmet systems. We also promote a range of the abrasives including the Cubitron II discs which are unrivalled in their class.

PMUC NUCLEAR

Approved Welding & Engineering Consumables

ESCCO is proud to be an approved stockist of a range of PMUC certified consumables for the nuclear industry. These products are primarily used in conjunction with stainless steel materials and include:

- Abrasives
- Aerosols
- Films
- Pens
- Sealants
- Tapes

We also provide on-site service and technical support for the range of capital equipment and welding consumables that we supply. This includes welding machinery calibrations and LEV testing for fume extraction units.

Demonstration and hire facility is also available to meet your daily demands.



ESCCO – KEY SUPPLY CHAIN PARTNER TO HINKLEY POINT C

PMUC Nuclear

escco have become a specialist and stockist of a wide range of PMUC approved consumable products for the nuclear industry. The current range includes abrasives (cutting, grinding & flap discs/wheels), films, a wide range of tapes, marker pens, NDT aerosols and more. We can also provide certification for each separate batch of product.





Portable, heavy-duty fume extraction

Fume extraction with H13 HEPA Grade filtration, from workshop to site.

Weight: 22 kg (Unit only)

Dimensions: 700 x 240 x 500 mm

Motor: 1 kW, 2 stage x 2

Hose Dimensions: 63 mm x 5 m

Hood Dimensions: 90 x 220 mm

Filter Dimensions: 300 x 180 mm



Capital Equipment Hire

We offer a large range of machines and welding equipment for hire on a monthly or long term basis to trade account customers. You can hire everything you need from welding tables to plasma CNC machines to successfully get your job done. Our equipment is supplied from industry leading manufacturers such as Siegmund, KUTAVAR and Miller.



Why Hire from ESCCO?



Short or long-term
hire available



Nationwide
Delivery & Pick Up



Technical
Support



Large Product
Inventory



Fully Serviced
Equipment



Industry Leading
Manufacturers



Cost Saving

Service

Here at ESCCO, we have a dedicated in-house team of skilled service technicians who provide all manners of assistance within Welding and CNC plasma range.

With services such as repairs, calibrations, testing and annual servicing available.

We have established long-term relationships with many of the industry leading manufacturers to secure parts and consumables for all of your needs.

Why work with ESCCO?



Nationwide Service



Collection & Delivery



Customer Support



Service Plans

Our Engineers have years of experience working in the industry and benefit from regular training programs to keep up with the latest cutting-edge technology, with backing from all the major manufacturers, they are well-equipped to handle various challenges in the field.

Our Services Include

- Welder Calibrations & Servicing
- CNC Servicing
- Workshop Machinery Servicing
- LEV TExT Thorough Examination & Testing





LEV Testing

ESCCO provide a comprehensive Local Exhaust Ventilation (LEV) testing service throughout the UK where our P601, P602, P603 and P604 qualified engineers will ensure your systems function correctly and are HSE compliant.

We assist you in staying on schedule and offer solutions that effectively reduce the exposure of your staff to hazardous substances such as fumes and dust.

Who Requires an LEV Test?

Regardless of their sector, every business is obligated to adhere to health and safety laws when dealing with hazardous substances. However, there are certain industries where the likelihood of working with these substances is higher.

In workplaces where an LEV system is employed to extract harmful materials like dust and fumes, regular testing (every 14 months) is necessary to ensure compliance. Some of the industries where LEV testing is likely to be a requirement include:



Welding



Woodworking



Oil & Gas



Automotive



Manufacturing



Engineering



The UK & Ireland's premium
supplier of welding technology

Phone: +44 (0)1432 346190
Email: sales@escco.co.uk
Website: www.escco.co.uk



Find us on Facebook, WhatsApp, Instagram,
LinkedIn and TikTok by searching **ESCCO Ltd**

1 Beacon Road,
Hereford, Herefordshire
HR2 6JF
United Kingdom

