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Pays	Grande Bretagne

## PRODUITS OU MACHINES

Supplier of industrial, medical, scientific and hospitality gases

Our Products and Services for the Glass Industry

Combustion – we provide unmatched expertise in oxy-fuel combustion technology. We provide equipment and systems, sophisticated testing facilities and a full range of industrial gases to deliver solutions that reduce investment and increase glass quality.

Our offering includes: Services:

Computational fluid dynamics (CFD) - to determine furnace output, temperature, burner placement, positioning of exhaust flues, waste gas temperatures and other parameters to increase furnace output.

Furnace design recommendations – a comprehensive package to support your critical decisions about oxy fuel furnace design and performance parameters.

Selection and installation of burners - for optimum heat transfer and temperature stability including oxy-gas and oxy-oil burners utilising oxygen, air and pressure atomising techniques.

Experienced technicians and project managers to assist in the installation and start-up of our oxy-fuel combustion systems including zero-port boost.

Oxy-fuel system audits, improvements and management.

Gases:

Oxygen – bulk or on-site for combustion and boasting, liquid oxygen for float glass, and oxygen mixtures for Convective Glass Melting (CGM), technology.

Nitrogen – bulk or on-site for protective atmospheres.

Hydrogen – bulk or on-site for melting and atmospheres.

Equipment and systems:

A wide range of burners including our patented BOC-Maxon flat-jet LEFF burner and conical style burner.

Convective glass melting systems (CGM) - to extend furnace life, increase pull rate, improve quality and minimise energy consumption.

Combustion skids.

Coating – products, technology and services for coating all types of glass:

Services:

Process design and audits services from our glass experts.

Gases:

Acetylene for carbon coating in float glass, sheet glass, bottles and containers.

Equipment:

Large vacuum systems from BOC Edwards ([www.bocedwards.com](http://www.bocedwards.com)) offering process reliability and associated equipment such as loadlocks, temperature sensors and displays.

Nanotechnology – products, technology and solutions for the synthesis of nanoparticles for speciality glass.

Semiconductor applications – vacuum systems for flat panel display (FPD) and cathode ray tube processes (CRT).

Insulation – rare gases such as neon, xenon and krypton.

For industrial facilities

We also supply a wide range of products and services for industrial facilities, including:

Fire suppression – fire protection products and fire suppression gases for production premises.

Health and safety – a large range of personal protective equipment, resuscitation packs, safety audits and training and risk management services.

Instrument calibration – scientific and high purity gases for industrial instrument calibration.

Water treatment – bulk oxygen and sulphur dioxide for effluent treatment; total systems for utility water treatment from EMC ([www.emcinc.com](http://www.emcinc.com)) a specialist BOC company.

Welding – gases, equipment and consumables for maintenance and also a range of services to streamline your procurement, inventory management and invoicing for all maintenance consumables.

Company Profile of **BOC Gases / UK**

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