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Address	BOC Gases / UK The Priestley Centre 10 Priestley Road Surrey Research Park Guildford Surrey GU2 7XY
Country	United Kingdom

PRODUCTS OR MACHINERY

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) 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) 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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