

Fused Quartz



'A global force in quartz and
ceramic technology'

Foreword

Multi-Lab Ltd is one of the leading High Purity Natural and Synthetic Quartz Glass distributors in Europe. Multi-Lab has always been a defining force with the sale of quartz glass and fabrication of quartz glass within the Semi- Conductor, Fibre Optic and Lighting Industries.

Not only have we mastered the fabrication of high purity quartz glass with different fabrication methods.

We have introduced in our company achievements what is without doubt the most advanced Automatic Cutting and washing facility in Europe.

Multi-Lab's strength remains in meeting our customers precise requirements and we are set in our plans for efficient continual improvement pushing us into the 21st Century, although never forgetting it's family virtues towards its customers of trust fairness and respect.



The Directors of Multi-Lab



New Generation fully Automatic Cutting



FULL QUARTZ FABRICATION FACILITY

Within our glassblowing facility we have built up an expertise second to none. Our experienced glassblowing team has built on our strengths as being a major supplier of fabricated quartzware throughout Europe, tackling a vast spectrum of fabricated products in all areas of the industry.

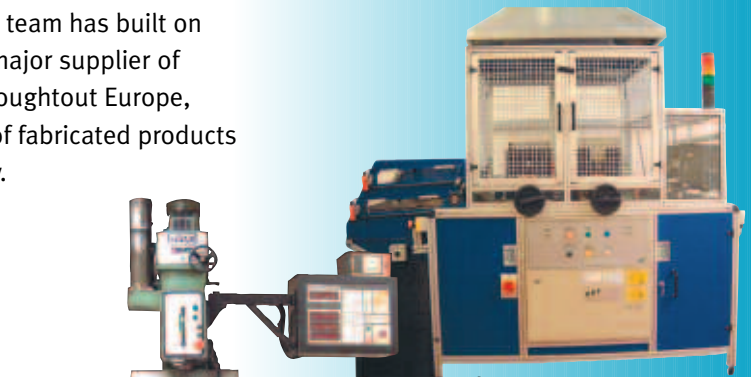


Bench Work

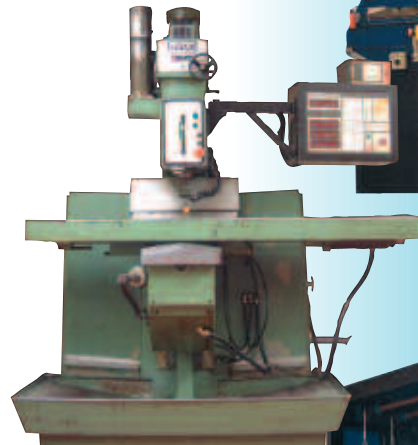


Large Lathe

Our fabrication facilities include large and small lathe work, grinding and milling, hot bench work, block slicing, CNC machining, drilling, high tolerance finishing processes.



Polishing & Edging



CNC for Profiling



High Tolerance Block Cutting

Preforming Machine

TRANSPARENT FUSED QUARTZ TUBING

As a major distributor within Europe we are committed to holding large stocks of high purity Fused Quartz Tubing, these stock sizes range from 3mm O/D and carry on throughout the range up to 440mm O/D. All of our materials are high purity, high transmittance, and high temperature with a low hydroxyl content. We carry the three basic types of quartz glass types; each designed to fulfil specific performance requirements.



CLEAR FUSED QUARTZ TUBING (OH<4.00PPM)

Used mainly in high performance and high temperature lamps such as quartz halogen, mercury, ultra violet (UV) lamps, semi-conductor quartz ware, wave-guide handles, thermocouples and high temperature products.

CLEAR FUSED QUARTZ TUBING (OH<1.00PPM)

Within the high specification of this material the extremely low hydroxyl level makes this material the preferred material for producing metal halide lamp envelopes and other applications requiring extremely low hydroxyl content.

CLEAR FUSED QUARTZ TUBING DOPED WITH TITANIUM

This material is commonly called germicidal or ozone free quartz glass it is produced to transmit UV-A and UV-B while blocking the deep high energy wavelengths, this makes it the ideal material for many disinfecting applications and various other UV treatment applications.

We carry several other types of high purity fully fused quartz tubing and full specifications can be accessed from our web page:- www.multi-lab.co.uk



TRANSPARENT FUSED QUARTZ RODS

At Multi-Lab we hold a range of quartz drawn rod, this material is natural quartz pulled from a furnace. Typical sizes are 1.00mm dia up to 20mm dia, after this size we core drill ingot material. This can be natural or synthetic, size range is up to 550mm dia with various lengths or thickness catered for, depending on customer requirement.

SYNTHETIC QUARTZ

A full range of Synthetic Quartz is available from Multi-Lab. Ranging from Rod form to Boules. These can be sliced, ground and polished. This material is an ultra pure Synthetic Fused Silica for use where optical transmission in the ultra violet of the spectrum is required or when an ultra-low level of impurities is critical. It is suitable for all but the most rigorous optical applications.

QUARTZ POLISHED DISCS & PROFILES

Full machining, grinding and polishing facilities for all types of glass, Quartz and Technical Ceramics. All specifications catered for.

Standard thickness 1mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm.

All other diameters and thickness available on request. Normal polishing tolerances

+/- 0.2mm on diameter. +/- 0.2mm on thickness.

Polish surface. Flatness, 1 wavelength per cm. Also CNC machined parts are available to customers specifications.



QUARTZ ROLLED PLATE

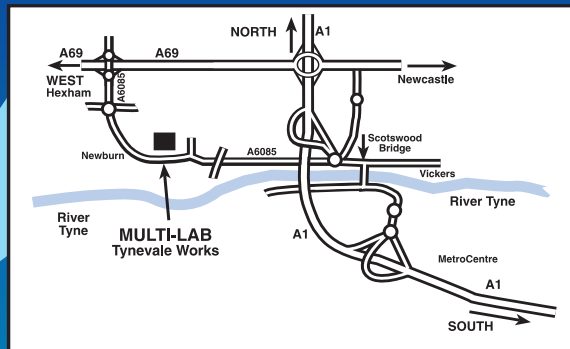
Manufactured from tube, can have small bubble content max of 10 bubbles per 100mm sq. Can have clearly visible elongated vacuum voids. Straight cut, unground edges.

QUARTZ POLISHED PLATE

All standard plate has a plate glass finish with ground edges. However we can polish down to 1/10 or 0.3mm. Parallelism to 3 seconds. Cut polished to order.



OUR LOCATION



MULTI-LAB'S OFFICES



FACTORY - DESPATCHING



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