RETAINAGROUP®

LASER MARKING SYSTEM

Reliable, flexible, extremely efficient and with a low operating cost our innovative range of three class 4 CO2 laser units provide a simple and cost effective method of marking glass, polycarbonate, painted metal and plastics to a consistent high quality in an average time of less than a second.
The patented laser is manufactured using innovative technology and is 10 times smaller and lighter than comparable systems.

THE THREE UNITS

MU020 MOBILE - AIR COOLED LASER

Air cooled mobile system with an integral 24v battery unit, capable of operating for two 8 hour shifts without charging. The laser head is handheld and is supplied as standard with 3 metres of umbilical cord.

Complete with integral charger which enables marking to continue whilst the battery is charging.

FU020 FLOOR-MOUNTED UNIT WATER COOLED VIA AN ACTIVE CHILLER

Floor-mounted mains powered, handheld laser system supplied with 4 metres of umbilical cord. With this unit the user is able to mark any size of glass at any stage of production e.g. before or after tempering.

FU020R FLOOR-MOUNTED UNIT - WATER COOLED VIA AN ACTIVE CHILLER

With this model, the laser head is mounted on a self-guided rail system, built to a customer's height and width specifications, usually to suit the dimensions and positioning of a tempering oven.

Our lasers are recommended by Tecnoglass S.A. of Colombia who have replaced their previous marking methods with 9 of our floor-mounted units. They also have 2 mobile units, to provide increased capacity when required. The company can include the Tecnoglass logo, date/time and oven ID as part of each high quality mark.

- The three models conform to health and safety requirements for laser based equipment as specified in BSEN/IEC 60825-1:2007 which conforms to BGV B2 protective housing with 2 channel interlock circuits encompassing automatic detection sensors
- Size and depth of mark can be varied to meet specific customer requirements
- Maximum size of mark for flat surfaces: 40mm x 40mm
- Edge marking of glass: 3mm to 30mm. Tolerance +/- 0.5mm (Not applicable to FU020R)
- Characters can be reversed to provide a mirror image for marking the uncoated side of solar glass. (The mark can be read through the solar coating)

ALL THREE MODELS ARE SUPPLIED WITH:

- An industrial touch screen, windows based, PC - network enabled with optional Wi-Fi
- Laser controlled CAD based software

There is an ability to import a variety of file formats. However, we can design laser template files on a dedicated CAD machine and these can be imported and pre-loaded for quick and easy selection of the required mark.

Marks can include customer logo, BSEN data, CE certification logo, serial number, tempering oven ID, date (in any format), time (to the second HH:MM:SS) and user ID to provide lifetime traceability.

As a part of commissioning, our engineer will train nominated employees on the simple maintenance and servicing procedures.

GENERAL TERMS

- Packing and delivery: Charged at cost
- Engineer's time is charged per 8 hour day (minimum 2 days), including travel time
- Travel and accommodation: Charged at cost
- One year's warranty *
- Technical support from our engineer - via phone, fax or email

* We will not be liable for replacing any equipment if it has been damaged as a result of operator error/ misuse or if servicing and maintenance instructions have not been adhered to.

REPLACEMENT LASER TUBE

- A replacement laser tube, outside the warranty period, is charged at cost plus delivery
- Price per laser unit and commissioning: Provided on request

For pricing and further information please contact:

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