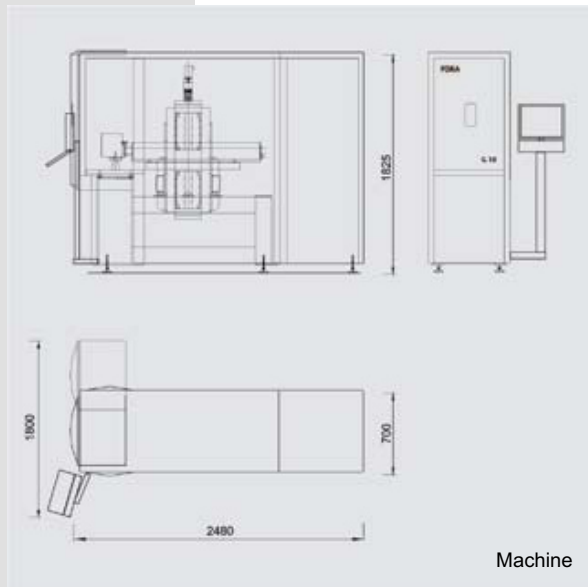


G10

Laser engraving machine



Machine

Machine

| | |
|-----------------|--------------------------------------|
| Load | Workpieces up to 100 kg |
| Z-axis (focus) | up to 500 mm |
| Engraving field | 120 x 120 mm ² (f=163 mm) |
| Jog Dial | Manual operation for all axes |

Control

| | |
|------------------|-----------------------------|
| AC servo motors | with digital control system |
| Path control | up to 5 axes |
| Laser control | FOBAGRAF |
| Machine control | FobaEMC |
| Operating system | MS Windows 2000 / XP |

Laser

| | |
|--------------|---|
| Laser type | 1064 nm, up to 100 Watt |
| Output modes | Continuous wave operation (CW) Pulsed operation (QS) 0.5 - 65 kHz Mixed operation (parameterizable) |

Options

| | |
|---|---|
| Touch probe | For setting up workpieces |
| Tactile probe | Depth measurements |
| Pointer | Adjustment aid |
| IMP | Vision-based mark positioning |
| X/Y cross table (steel guide) | Table plate 250 x 250 [mm] Travel 300 x 300 [mm] Max. load 50 kg |
| X/Y cross table (design in hard stone) | Table plate 250 x 250 [mm] Travel 285 x 285 [mm] Max. load 100 kg |
| Cylinder engraving unit | 360° |
| Turn-swivel unit | 360°, +90° |
| Suction filter | |

Installation

The way the unit is set up depends on the design of the working area and the integrated laser system.

| | |
|----------------------|--|
| Electrical | 3/N/PE, AC 400V, 50/60 Hz |
| Power consumption | 2.8 - 8 kVA |
| Temperature | 15 - 40 °C |
| Humidity | 90 % (up to max. 20 °C) 30 % (up to max. 40 °C) non-condensing |
| Cooling | depends on laser system |
| Weight | Machine approx. 1000 kg |
| Degree of protection | IP 54 |
| Safety | Laser class 1 |

FOBA[®]
Laser Marking + Engraving

FOBA
Technology + Services GmbH
Altenaer Straße 170
58513 Lüdenscheid
GERMANY

Phone +49 2351.996-0
Fax +49 2351.996-234

sales@foba.de
www.foba.de

SIGNEA
SYSTEME

+27 11 965 0823
signea@mweb.co.za
www.signea.co.za

