

# FOBA G3

## Technical Data

**FOBA**<sup>®</sup>  
Laser at your service

Model	FOBA G3 with X/Y cross table	FOBA G3 with rotary table
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### Marking / Engraving Lasers

Fiber laser markers	20 DPF, DP 30F, DP50F (Yb, 20 – 50W), 1,064 nm
Grayscale lasers	10 DPGS (Nd:YVO <sub>4</sub> , 10 W), DP 30FGS (Yb, 30 W), 1,064 nm
Operating modes	Continuous (cw), pulsed (QS) 10 – 100kHz*, mixed (parametrizable)
Marking fields	Depending on the utilized lens, from 114 x 114 mm – 290 x 290 mm

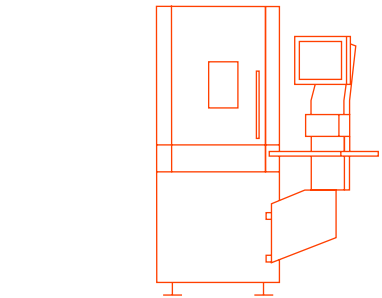
<b>Machine</b>	→ Laser class 1 (acc. to DIN EN 60825-1:2008-05) → Air-cooled
User interfaces	FOBA MarkUS™ (German, English, Spanish, Italian, French, Chinese, Japanese)

Dimensions (W x D x H)	800 x 1,770 x 1,925 mm	800 x 1,777 x 1,925 mm
Footprint	1.4 m <sup>2</sup>	1.4 m <sup>2</sup>
Weight	Approx. 700 kg	Approx. 700 kg
Features	Sliding door	630 mm rotary table, 200 mm bulk head partition Travel path Z axis 300 mm
	Axes travel paths (X, Y, Z) each 300 mm	
Max. load	50 kg	Powered by electricity 8 kg per station
Max. work piece size (W x D x H)	450 x 450 x 200 mm	240 x 240 x 240 mm or 360 x 200 x 190 mm

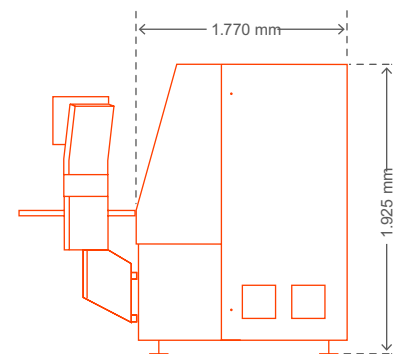
<b>Supply</b>	→ Depending on workspace design and utilized laser system
Electrical req.	1/N/PE, AC 110V (optional) or 230 V (standard), 50/60 Hz
Power consumption	2.0 – 3.4 kVA
Temperature	15 – 35 °C (max 40 °C*)
Humidity	10 – 90 %, non-condensing

<b>Options and Accessories</b>	→ Expandable up to 5axes (with swivel axis and rotary unit) → Status display on machine (light) → Focus shifter → Touch probe → Exhaust system
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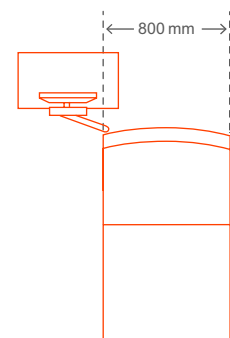
Vision systems	IMP: Automatic optical part recognition and alignment of marking/engraving; particularly suitable for automated batch production Point & Shoot™: Visual direct mark alignment on a screen image of the part; particularly suitable for quality workpieces and single piece production
Application software	Engravings (3D): FOBA EMC (full version incl. axis control and 3D software FOBA 3D)



Front view G3 with X/Y cross table



Side view X/Y cross table version



Top view

\* Depending on laser

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Specifications subject to change without notice. G3\_E\_091

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