

Laser Marking +
Engraving Solutions

FOBA®
Laser at your service



FOBA C.0303

*Proven laser marking technology
achievable for everyone*

Laser marking with advanced CO2 laser technology has never been more affordable and efficient: The 30-Watt FOBA C.0303, the newest addition to our proven line of reliable CO2 laser marking systems, removes the need to compromise on quality versus cost and makes laser marking achievable for everyone!

The C.0303 comes with a **super simple design** and a **really easy-to-use** user interface. The compact one-box design ensures **quick and seamless integration** into production lines while the intuitive user interface FOBA Go gets you up and running with minimal training.

With 30 watts of laser output power, FOBA's C.0303 is ideal for simple parts marking applications especially in the electronics and automotive supplies industries. Applications include the marking of plastics, resins, glass, ceramics and organic materials such as wood, paper and cardboard.

Your product benefits

- **It's the mix that makes it special:** Even as an entry-level laser, the C.0303 makes no compromises and combines proven quality, simple usability and a small footprint at an affordable price.
- **High uptime ensures low downtime:** The reliable C.0303 ensures easy maintenance and quick changeover that quickly add up to 30 hours of production time savings per year.
- **Super compact and super easy to operate:** The simple one-box design ensures straightforward line integration and the ingeniously easy to use web-based touch UI FOBA Go enables simple marking and easy operation.

*Material removal on PCB
Engraving on plastic connector
FOBA Touch display*



FOBA C.0303

Technical Data

Marking features

Beam deflection Steered beam with digital high-speed galvanometer scanners

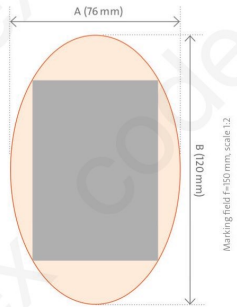
Focusing 3 focus lenses (f=100/150/200 mm)

Marking field (mm²) (AxB) 36 x 57 to 72 x 115

Marking speed* Up to 1.300 characters/s or 6 m/s (360 m/min)

Marking formats

- Standard industrial fonts (Type 1 Windows® TrueType®) and Single line fonts
- Machine readable codes (OCR, 2D-matrix, etc.)
- Bar codes: BC25, BC251, BC39, BC128, GS1-128, EAN13, UPC_A, RSS14, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omnidirectional, RSS Limited, RSS Expanded, etc.
- Graphics, logos, symbols, etc.
- Linear, circular, angular, reverse, rotate
- Sequential and batch numbering
- Automatic date, layer and time coding, real-time clock
- Dot mode enables marking 2D codes faster than traditional grid mode



Laser

Type Sealed CO2 laser, 30-Watt, Wavelength 9.3/10.2 and 10.6 µm

Laser class 4 (acc. to IEC 60825-1)

User interfaces

FOBA Touch or FOBA Go via web browser

Software Browser-enabled Touch Control Software FOBA Go (optional on FOBA Touch display)

Interfaces Ethernet (TCP/IP), Inputs for encoders and product detector triggers; 9 inputs/5 outputs in addition to machine/operator interlocks



FOBA Touch display

Integration

Line integration Direct integration via scripting interface

Supply

Electrical req. L/N/PE 100–120 VAC, 200–240 VAC, 50/60 Hz

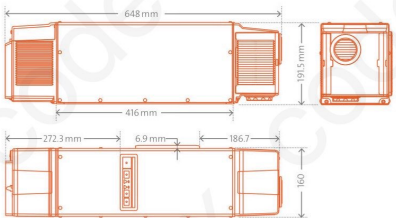
Power consumption max. 0.7 kW

IP rating IP54

Cooling Air cooled

Temp./Humidity 5–40 °C / 20–90% non-condensing

Weight ~19 kg



Dimensions: Marking Unit

Certifications

CE | RoHS conform

*Depends on marking head and focus lens, maximum line speed is application dependent

ALLTEC Angewandte Laserlicht Technologie GmbH
An der Trave 27-31 | 23923 Selmsdorf | Germany
T +49 38823 55-0 | T (US) +1 630 694-3243
info@fobalaser.com | www.fobalaser.com

©2021 ALLTEC GmbH – All rights reserved. Specification subject to change without notice.
C.0303_EN_05-21

