

**FILE
TECHNIQUE**

FORZA 14PRO

www.forzalaser.com

PLUG AND PLAY TECHNOLOGY



FORZA[®]
Laser

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FORZA 14 PRO

IN A GLANCE

FORZA 14 PRO is a laser cutting and engraving machine for large work formats to provide easy installation and operation for the user.

- 1 Excellent mechanical stability
- 2 Large working area
- 3 Compact design
- 4 Easy installation
- 5 High efficiency
- 6 Safe

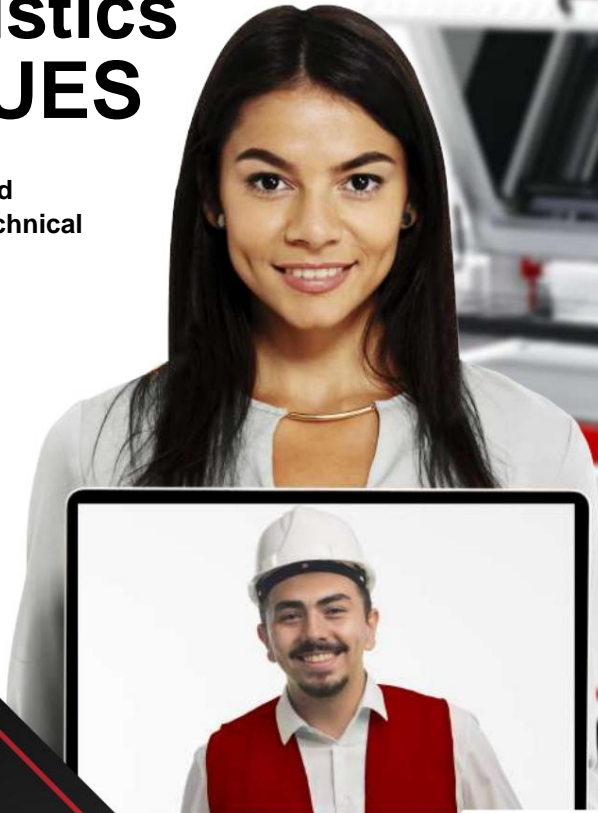


Characteristics TECHNIQUES



FORZA 14 PRO: Designed and manufactured with special technical features that adapt to any

work environment



Characteristics GENERAL

XY work area

Z-shift

XY repeatability positioning accuracy

XYZ movement type

Maximum XY movement speed

Type of communication

Tube type

Bed type

Certifications

Dimensions PHYSICS

Dimensions – 100/130W (Width x Length x Height)

Net weight – 130W

X: 1300 mm; Y: 900 mm

Z: 300 mm approx.

X: ± 0.01 mm; Y: ± 0.01 mm

XY: Belt + step motor; Z: Belt + step motor + endless screw

X: 1000 mm/s; Y: 500 mm/s

USB 2.0+, RJ45 Ethernet, Pen Drive.
130W CO2 glass laser tube, 10 640 nm wavelength

Honeycomb bed

CE, RoHS, FCC

1803 x 1350 x 1030 mm

300 kg approx.



Characteristics ELECTRICAL

Power supply

220 Vac - 60 Hz

Stability

+/- 10%

Overload protection

Thermal magnetic contactor + Fuse + Independent ground connection 3000 W approx.

Nominal power (with 130w tube)

Conditions ENVIRONMENTAL

Operating ambient temperature

20 – 28 °C

Storage and transportation temperature

10 – 40 °C

Maximum humidity

90% - Non-condensing

Characteristics OF SOFTWARE

Design software

CorelDraw, Illustrator, AutoCAD, etc.

Interface

RDWorks, LightBurn

Supported formats

JPG, JPEG, PNG, GIF, MNG, PLT, DXT, DXF, BMP, etc.

Dimensions of PACKAGING

Dimensions (Width x Length x Height)

1940x1485x1110 mm

Gross weight – 130W

500 kg approx.

Materials

WORKING



Materials CUTTING

130 W

Wood: MDF, plywood
Plastics: acrylic, polyethylene films
Rubber: natural for stamps, silicone, neoprene
Synthetic leather
Raft
Flex foam
Foamy
Fabric: Polyester, Nylon, Cotton
Paper

15 mm
12 mm
8 mm
6 mm
15 mm
12 mm
9 mm
Various thicknesses
Various thicknesses

Engraving materials AND MARKED 130W

Anodized aluminum in colors,
Stone, Marble, Glass,
Plastics, Granite, Bone,
Bamboo, Wood, Tagua, Between

The materials mentioned below cannot be used due to the emission of gases that are harmful to health and can cause damage to some components of the machine: PVC, Fiberglass, Resins, Polycarbonate, Epoxy, ABS...



FORZA 14PRO

Characteristics SPECIALS

Robust Design - Accessories such as the air pump and chiller are specifically designed to meet the needs of the machine, ensuring perfect operation.



CHILLER CW-5000



For the cooling system, the FORZA 14 PRO has a CW-5000 Chiller for greater safety during prolonged working times and demanding environments.

TECHNICAL FEATURES OF THE CHILLER CW-5000

Voltage	210 - 240 Vac/50-60Hz
Nominal current	900 ma
Ability	9L

AIR PUMP SILENT



FORZA 14 PRO integrates a low-vibration and noise pump with high airflow that allows for a better finish on your final projects.

TECHNICAL CHARACTERISTICS OF THE AIR PUMP

Voltage	210 - 240 Vac/50-60Hz
Nominal current	72 mA
Output flow	45-55 LPM (Liters per minute)
Pressure	30 Kpa
Noise	40 dB (normal conversation 60 dB approx.)

CONTROLLER TOUCH TECHNOLOGY



State-of-the-art engraving and cutting controller with improved hardware stability, anti-high voltage and anti-static, 5" color touch screen with user-friendly operating interface and more powerful functions

SAFETY CERTIFICATIONS



EC - EUROPEAN UNION

RoHS (Restriction of Hazardous Substances) FCC - Federal Commission Communications.

TECHNICAL CHARACTERISTICS OF THE CONTROLLER

than Storage capacity	128 megabytes / non-volatile memory More 5000 files
Interface	U-disk, USB, Ethernet, HMI

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If you need advice about the new FORZA 14 PRO, please visit our website:

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