

FORZA4PRO

www.forzalaser.com

TECHNOLOGY
PLUG AND PLAY

FILE
TECHNIQUE



CONTENT

FORZA 4 PRO AT A GLANCE.

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TECHNICAL CHARACTERISTICS.

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FORZA4PRO

IN A GLANCE

FORZA 4 PRO is a laser cutting and engraving machine, which was designed to provide easy installation and operation to the user.

1 Compact design 2 Easy installation 3

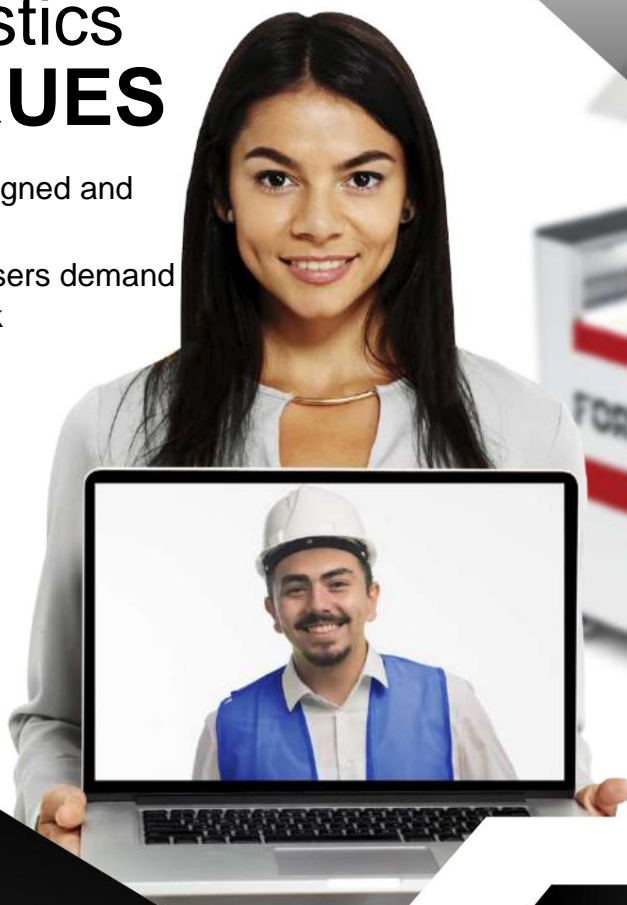
Environmentally friendly 4 Integrated chiller 5 Silent 6 Excellent mechanical

stability



Characteristics TECHNIQUES

FORZA 4 PRO was designed and manufactured with the technical features that users demand and to adapt to any work environment.



Characteristics GENERAL

XY work area

Z-shift

XY repeatability positioning accuracy

XYZ motion type

Maximum XY movement speed

Type of communication

Tube type

Bed type

X: 600 mm; Y: 400 mm

Z: 230 mm

X: ± 0.01 mm; Y: ± 0.01 mm

XY: Belt + step motor; Z: Drive gear sprocket + chain guide

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

USB 2.0+, Network RJ45, Pen Drive 60/80W
CO2 glass laser tube, 10640 nm wavelength

Honeycomb bed

CE, RoHS, FCC

Dimensions PHYSICS

Dimensions – 60/80W (Width x Length x High)

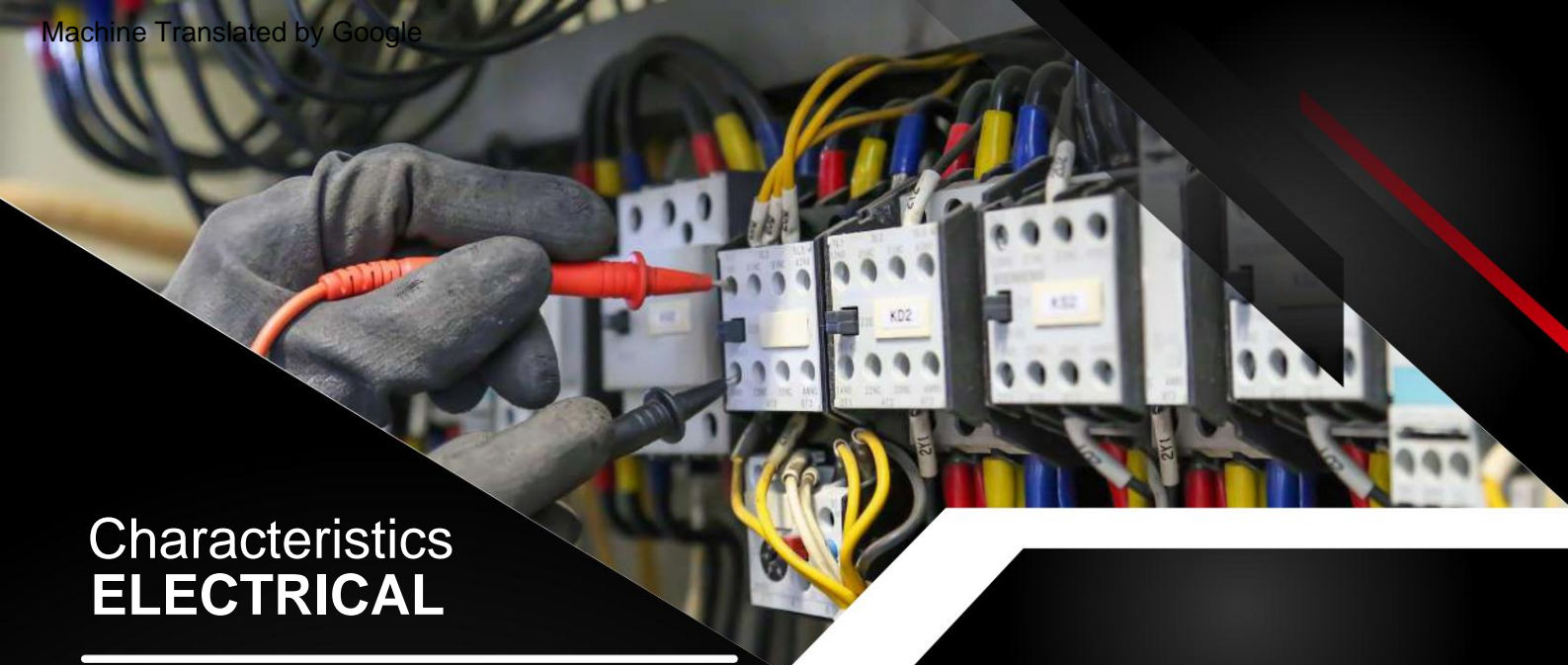
Net weight – 60W

Net weight – 80W

820 x 1420 x 920 mm

147 kg approx.

147 kg approx.



Characteristics ELECTRICAL

Power supply
Stability
Overload protection
Nominal power (with 60w tube)
Nominal power (with 80w tube)

Conditions ENVIRONMENTAL

Operating ambient temperature
Storage and transportation temperature
Maximum humidity

Characteristics OF SOFTWARE

Design software
Interface
Supported formats

Dimensions of PACKAGING

Dimensions (Width x Length x Height)
Gross weight – 60W
Gross weight – 80W

110 – 120 Vac - 60 Hz
+/- 10%
Independent grounding
700 W approx.
820 W approx.

20 – 28 °C
10 – 40 °C
90% - Non-condensing

CorelDraw, Illustrator, AutoCAD, etc.
RDWorks, LightBurn
JPG, JPEG, PNG, GIF, MNG, PLT, DXT, DXF, BMP, etc.

840 x 1440 x 940 mm
162 kg approx.
162 kg approx.

Materials WORKING

60 W

80 W

Wood: MDF, plywood	6 mm	9 mm
Plastics: acrylic, polyethylene films	6 mm	9 mm
Rubber: natural for stamps, silicone, neoprene	3 mm	4 mm
Synthetic leather	2 mm	3 mm
Raft	6 mm	9 mm
	10 mm	12 mm
Foamy	6 mm	9 mm
Fabric: Polyester, Nylon, Cotton	Various thicknesses	Various thicknesses
Paper	Various thicknesses	Various thicknesses

Engraving materials AND MARKED 60/80 W

Anodized aluminum, stone, marble, glass,
plastics, granite, bone, bamboo, wood,

tagua, etc.

Materials that can be used only with
special protection due to gases that can
cause damage to some components of
the machine: PVC, FIBERGLASS,
RESINS, POLYCARBONATE,
EPOXY, ABS PLASTIC.



FORZA[®]
laser

Characteristics **SPECIALS**

Compact design - accessories such as the air pump and chiller are integrated into the same structure, making installation of the FORZA 4 PRO simple and intuitive.



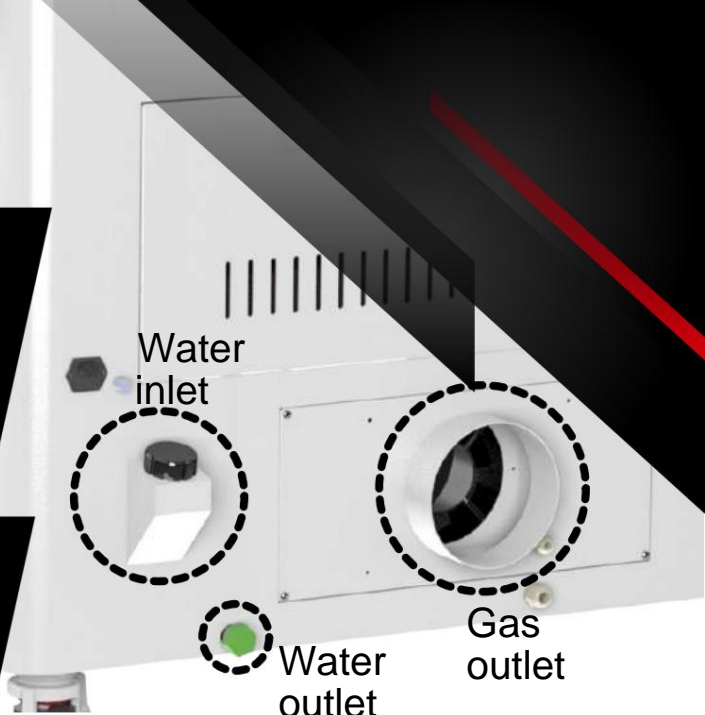
CHILLER INTEGRATED

Integrates the chiller into its structure
without

external pipes that may

interfere with the work area.

The total space occupied is also reduced.



TECHNICAL CHARACTERISTICS OF CHILLER CW - 3000

Voltage	110Vac/60Hz
Nominal current	900 ma
Ability	9 l

AIR PUMP SILENT



FORZA 4 PRO integrates a low vibration and noise pump, it can operate in

without generating noise in the work environment.

TECHNICAL CHARACTERISTICS OF THE AIR PUMP

Voltage	110Vac/60Hz
Nominal current	72 mA
Output flow	25-30 LPM (Liters per minute)
Pressure	30 Kpa
Noise	yy

CONTROLLER RUIDA PRO



CE - EUROPEAN UNION RoHS

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

TECHNICAL CHARACTERISTICS OF THE CONTROLLER

Storage Cap.	128 megabytes / non-volatile memory More than 5000 files
Interface	U-disk, USB, Ether-net, HMI

UPDATES

be ordered as separate components from authorized dealers.



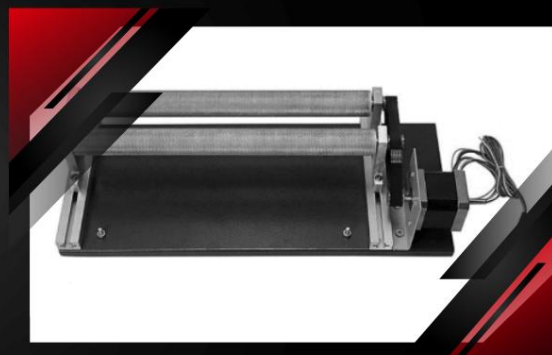
WIFI

Fast file transfer
and wireless.



ROTARY AXIS

Fourth axis for working on
cylindrical objects such as glasses,
bottles, cups, etc.



CAMERA

Allows you to view the work area in real
time, to record, cut or
draw on objects made in

cision.





CONTACT US

CLICK ON THIS BUTTON



If you need advice about the new FORZA 4 PRO, please visit our website: www.forzalaser.com **SALES**

Advice: +525518278637 ENGINEERING DEPARTMENT Technical

Support

+593 98 134 7238

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