



FORZA

Scanor

Technical data sheet

S1530P60



FORZA

Scanor

Industrial CNC Fiber Laser Cutting Machine with Interchangeable Bed

ENGRAVING / MARKING / PERFORATING

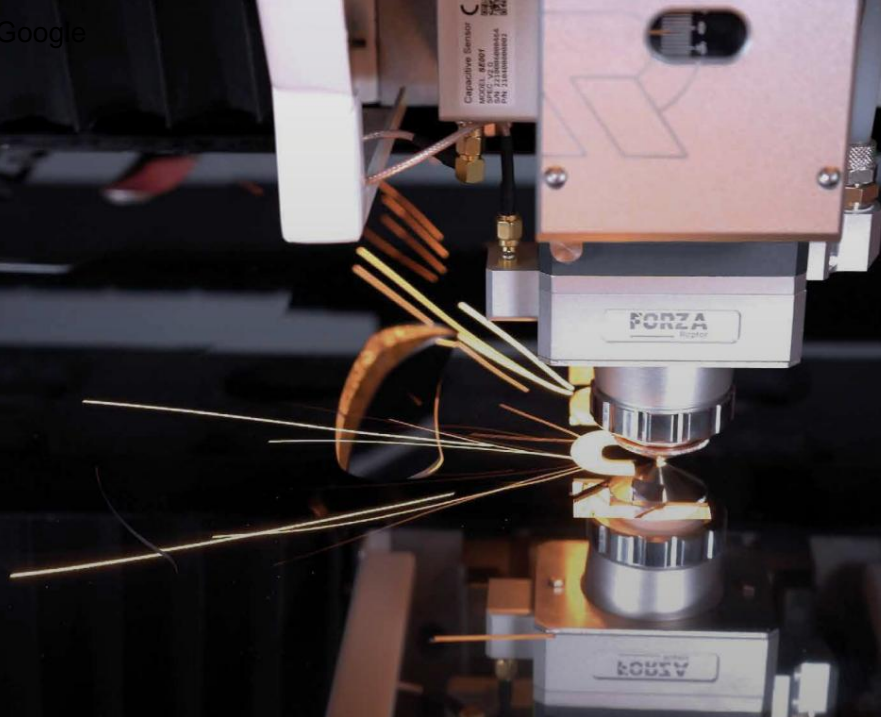
For those industries looking for a reliable and complete solution, the SCANOR laser cutter is designed for continuous production, cutting sheets up to 26mm thick without burrs.

It includes a covered protection system and an interchangeable bed to continue working during loading and unloading time.

FORZA SCANOR S1530P60**Specific features**

Characteristics	Detail
Model	FORZA SCANOR 6
Standard work area	3005mm x 1500mm
Nominal laser power	6000W
Ideal cutting thickness in ASTM A36	20mm
ASTM A36* Maximum Cutting Thickness Limit	26mm
Maximum acceleration	1.2 G
Maximum cutting speed	120 m/min
Cutting precision	± 0.05 mm

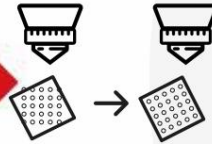




CHARACTERISTICS SPECIALS



**Smart Focus
Technology**



**Automatic
Find Edge**



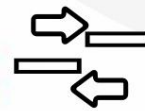
**Software
FORZA PLAY**



**Gravity
Cut**



**Fully
Enclosed**



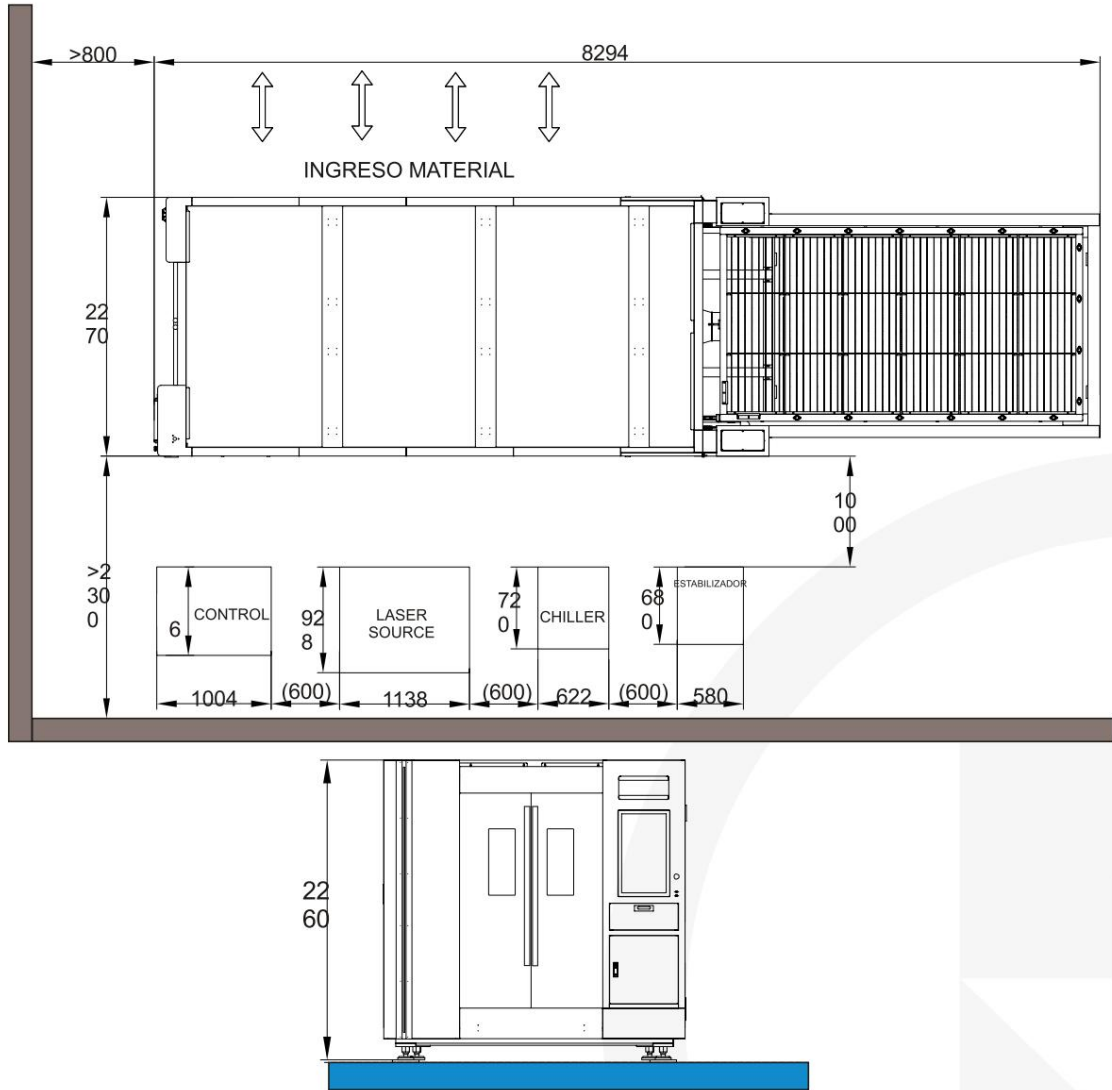
**Dual
interchangeable**

General characteristics

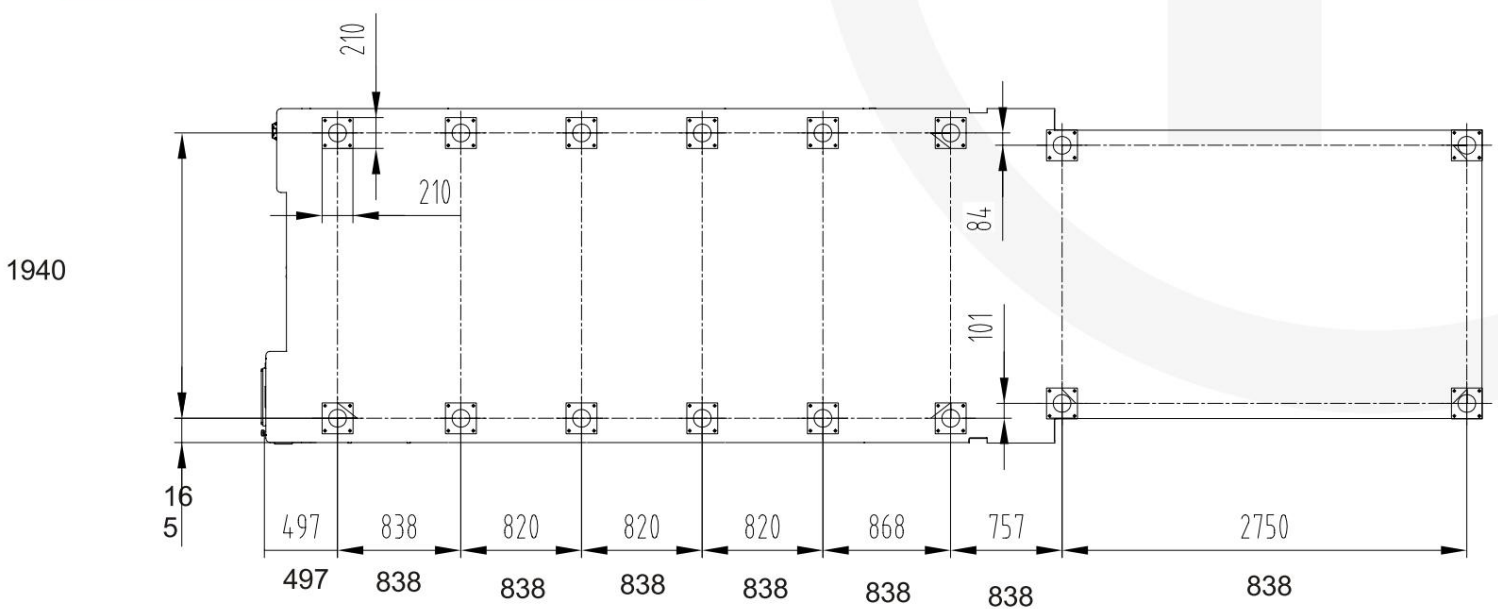
Characteristics	Detail
Model	FORZA SCANOR 6000
Laser Type/Laser Technology	Fiber Laser 1064nm \pm 30nm
Nominal power of Fiber laser	6000W
Fiber laser working power range	5%-100% (\pm 0.5%)
Stability at output power	\pm 1.5W
Types of work	CUTTING / PUNCHING / MARKING
Focusing system	Automatic, SMART FOCUS TECHNOLOGY
Framing system	Automático, FAST EDGE SENSOR
Type of gas to use for cutting	O2, N2 or Air
Control head type	Gas - Temperature - Sensor - Online
Nominal working area	1500mm x 3005mm
Interchangeable bed	2 beds of 1500mmx-3005mm
Bed change speed	<30s
Bed changing system	Linear guide with chain
Maximum displacement in Z	200mm
Maximum travel speed	120 m/min
Process control	Integrated camera
Total worktop space per unit	1600mm x 3100mm
Type of bed	Anti-vibration round blade
Maximum XY acceleration	1.2 G
Laser protection	Metal cover and window with filter
Cutting precision	\pm 0.05mm
Repeatability	\pm 0.02mm

XY motion system	Rack and pinion
Z motion system	Screwball
Lubrication system	Automatic by working path
Source protection level	IP54
Command control	Vertical screen
Maximum load per bed	920 kg in full plank
Energy consumption	33.5 kW
Covered extraction system	Extraction by external motor
Working voltage	220V/380V/440V AC 3ph 50Hz-60Hz
Table measurements	2350mm x 8300mm x 2200mm
Type of communication	RJ45, WIFI, USB 3.0
Supported design format	AI, DXF, PLT, Gerber, LXD, G
Software for use	FORZA PLAY
PC control interface	By screen and by manual control
Cooling method	Dissipated by water
Equipment weight	6700kg
Resistance on the work floor	6.5 Kgf/cm ²
Relative humidity	< 85%
Working temperature	10 – 35o C
Storage temperature	8 – 30o C
Certifications	CE, RoHvS

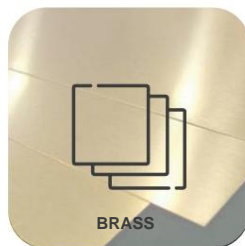
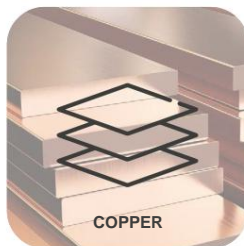
Space required



Support points



Applicable materials



Cutting thicknesses by material

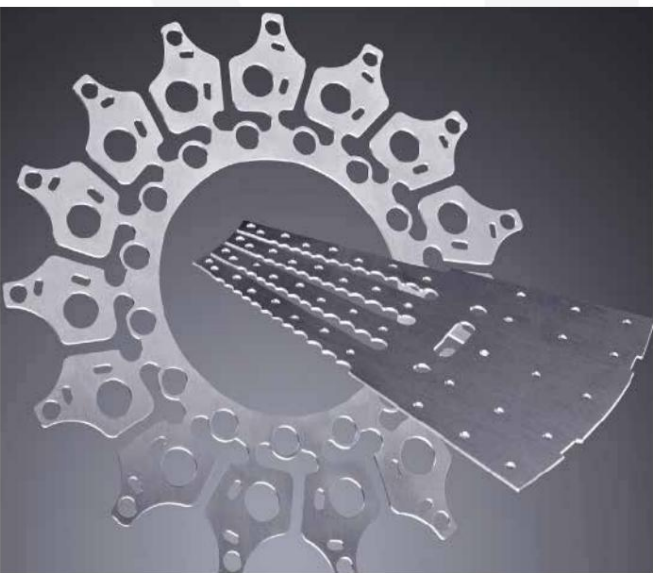
Material	IDEAL THICKNESS*	MAXIMUM THICKNESS**
ASTM A36 STEEL ("Black or Mild")	20mm	26mm
ASTM 304 STAINLESS STEEL	12mm	16mm
ASTM 6061 STRUCTURAL ALUMINUM	9mm	12mm
BRASS C27200	6mm	8mm
ASTM A653 GALVANIZED STEEL	3mm	4mm

Grades:

* The ideal thickness refers to the thickness that is cut with a completely clean edge, with a "mirror-like" finish.

**The maximum thickness is the limit that can be cut, although the cut has no burrs, there is the appearance of cutting lines depending on the thickness, the thicker it is, the greater the appearance of lines, it is not recommended to size the machine with the maximum thickness.

Manufactured parts





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