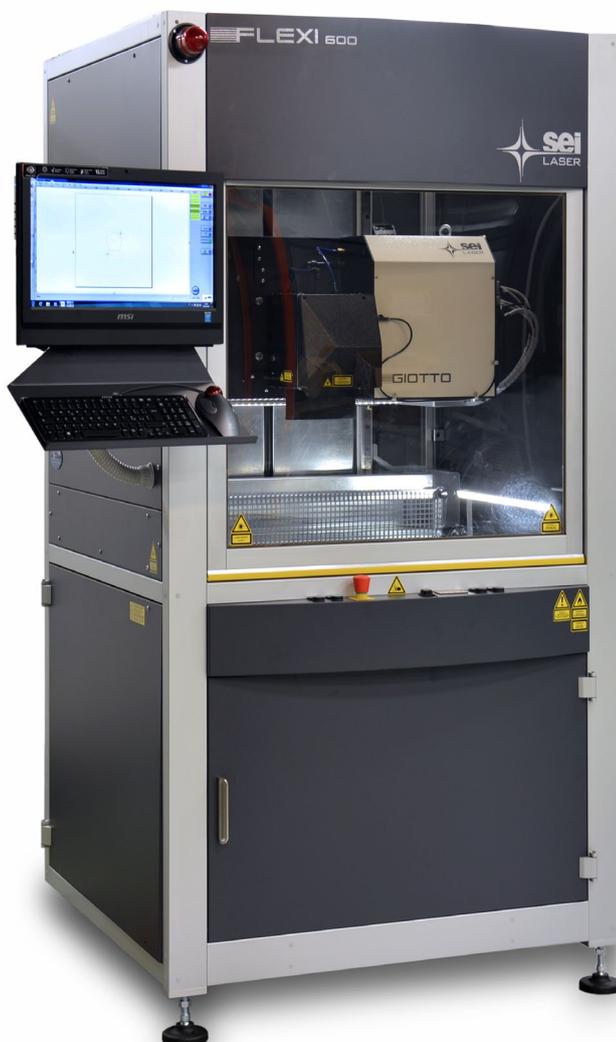




# FLEXI BASIC

**The most flexible laser solution to process any kind of material.**

- **Flexi Basic** is a laser system designed for cutting, marking and engraving on a working area of 600x600 mm, 800x800 mm and 1200x1200 mm depending on the configuration.
- It can process different kinds of materials such as: paper, cardboard, leather, eco-leather, natural fabrics, technical fabrics, denim, rubber, wood, acrylic, acetate and organic materials.
- Dynamic Beam Expander allows dynamic focal point management directly from the software and it ensures high performance.
- The grid vacuum table allows efficient fume/production waste extraction, as well as the stability of the material.
- CCD camera ensures register laser processing.
- Z axis optimizes the size of the laser spot according to the size and thickness of the material.
- Class 1: for the safety of the operator and working environment.
- Industry 4.0 Ready: full digital workflow integration.



Z axis



CCD camera





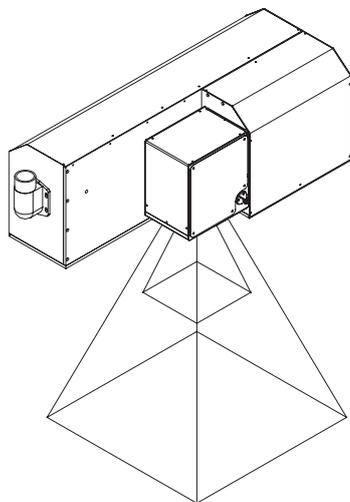
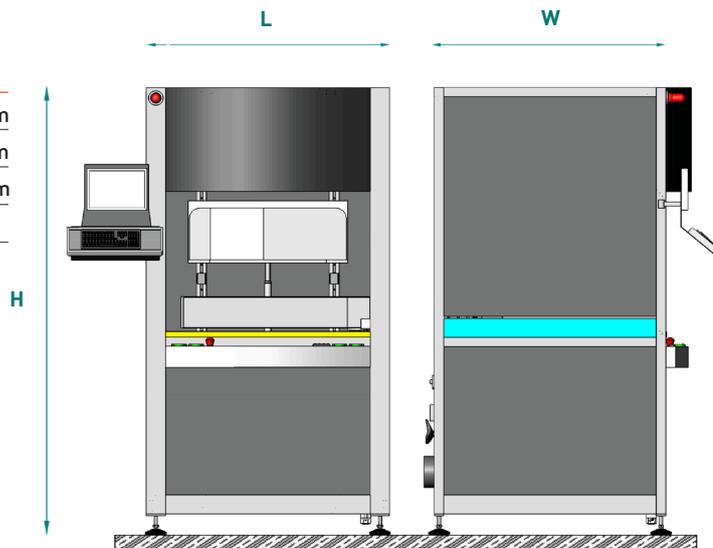
# FLEXI BASIC

## Main technical features:

Available models	600	800	1200
Working area (mm)	600x600	800x800	1200x1200
Laser power (W)	80 - 150	150 - 300 - 500	
Laser technology	Sealed CO <sub>2</sub> laser sourced excited by RF discharge		
Laser wavelength (µm)	10,6 (10,2 - 9,3 on request)		
Scanning head	4 optical axis (3 galvo + 1 step motor)		
Laser beam quality (M <sup>2</sup> )	<1,2		
Cooling	Water (closed loop)		
Control unit (optional)	PC Windows™ based with SW Icaro preinstalled		
Norm compliance	2014/35/UE Low Voltage Directive		
	2006/42/CE Machinery Directive		
	2014/30/UE Electromagnetic Compatibility Directive		
	IEC EN 60825-1 Laser		



	600	800	1200
<b>L</b>	1140 mm	1470 mm	1850 mm
<b>W</b>	1145 mm	1780 mm	1780 mm
<b>H</b>	2150 mm	2650 mm	3030 mm
<b>Kg</b>	410	800	1200



	Hi30	Hi50	I-SCAN
<b>Min. working area (mm)</b>	180x180	250x250	500x500
<b>Focus distance (mm)</b>	230	275	640
<b>Spot diameter (µm)</b>	≈200	≈200	≈200

	Hi30	Hi50	I-SCAN
<b>Max. working area (mm)</b>	600x600	800x800	1200x1200
<b>Focus distance (mm)</b>	800	1050	1600
<b>Spot diameter (µm)</b>	≈500	≈500	≈500

### Paper



### Acrylic



### Wood



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