



# X-TYPE

**The fastest plotter CO<sub>2</sub> laser system for medium format cutting, with the highest performances available on the market.**

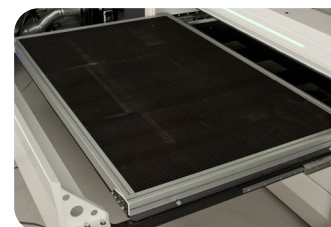
- **X-Type** is the flatbed laser system developed from SEI Laser for medium format sheet or roll cutting. X-Type can process all the materials: acrylic (PMMA), ABS, plastic, PET, PP, BOPP, paper, cardboard, leather, textiles, glass, marble, wood, acetates, adhesive foils, composite materials.
- **X-Type** is the fastest professional laser system for CO<sub>2</sub> laser cutting with a maximum work area of 1600x1000 mm. It exploits a mechanical structure combined with X-Y axis movement and a double carbon fiber truss, equipped with four ironless linear motors (two per axis) and position controlled by linear optic encoders.
- **X-Type** is featured by lightness, agility, speed, precision, power (guaranteed by the laser sources available over than 500 W) and extreme flexibility of use thanks to the possibility of using a double work table that minimizes the material loading/unloading time as well as the possibility of using sheets longer than the work area.
- **X-Type** is characterized by high performances and acceleration: the maximum speed is 4000 mm/s, the acceleration is up to 6 g.
- **X-Type** is equipped with a CCD camera for register laser processing and for automatic file uploading thanks to single or multiple printing markers. It is also available with conveyor for roll cutting.
- Industry 4.0 Ready: full digital workflow integration.



*Linear motors*



*Double sliding working table*





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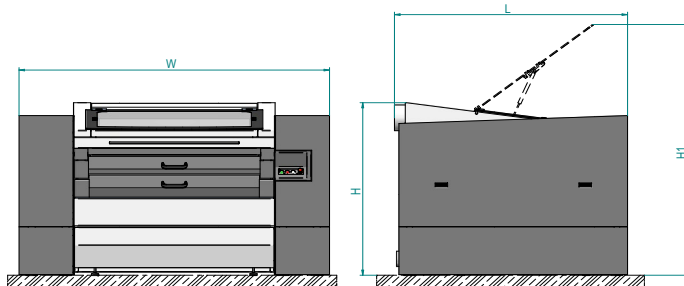
## Main technical features:

Versions	V150	V300	V400	V500
Laser technology	Sealed CO <sub>2</sub> laser source excited by RF discharge			
Laser power	150W	300W	420W	540W
Laser wavelength (µm)	9.3 - 10.6		0.6	
Pulse frequency (kHz)	0-130			0-100
Cooling	Liquid cooling (closed loop chiller)			
Available models	1007		1610	
X-Y axis movement	4 ironless linear motors (two per axis)			
Working area (mm)	1000x750		1600x1000	
Whole area (mm)	1100x800		1700x1050	
Z axis - working table (mm)	0-180			
Max. thickness of the material to be processed (mm)	170 (1 working table)		40 (2 working tables)	
Max. acceleration (g)	6			
Max. vector speed (mm/s)	4000			
Software interface	CAM Icaro on Windows™ platform			
Vector images import	.dxf; .plt; .ai; .eps; .pdf;			
Raster graphics import	.bmp; .jpg; .tiff; .wmf; .pcd; .pnt; .pcx; etc.			
Norm compliance	2014/35/EU Low Voltage Directive			
	2006/42/CE Machinery Directive			
	2014/30/EU Electromagnetic Compatibility Directive			
	IEC EN 60825-1 Laser Safety			



### Available options that increase flexibility:

- CCD camera for register laser processing thanks to printing markers;
- Double working table that optimizes the loading/unloading time;
- Focal lens: 2,5"; 5";
- Conveyor for roll material processing;
- Proportional valve for the regulation of the gas pressure during cutting.



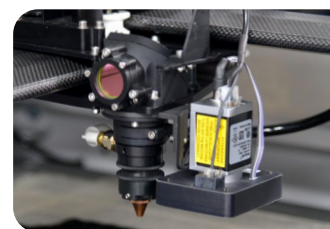
#### X-TYPE 1007

- W = 2160 mm
- L = 1590 mm
- H = 1340 mm

#### X-TYPE 1610

- W = 2760 mm
- L = 1840 mm
- H = 1340 mm

### CCD camera



### Ultralight carbon X-Y axes

