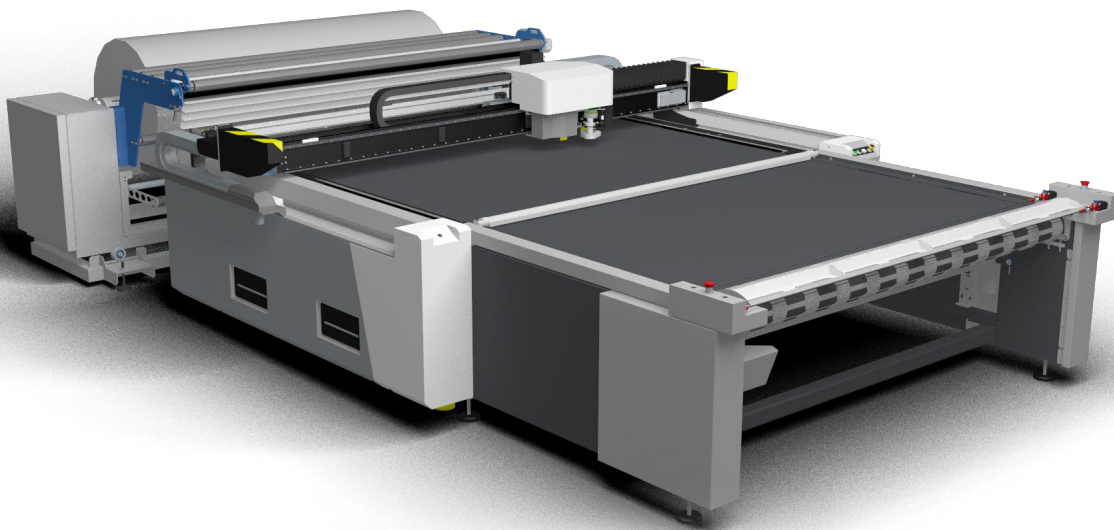




NRGL CONVEYOR

The new laser system for textile roll cutting and marking: high speed, high quality, high productivity.

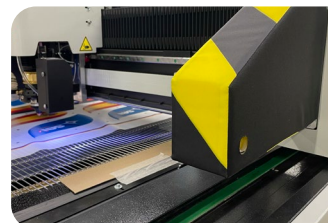
- **NRGL Conveyor** is a laser system designed for cutting, engraving, marking and perforation of roll materials with maximum working area of 3200x2000 mm. It is the top solution for producers in technical fabric, interior design, fashion industry and filter elements.
- The workable materials are: genuine and synthetic leather, natural and artificial textiles, plastic films.
- **NRGL Conveyor** is equipped with a X-Y plotter system with conveyor and motorized Z axis.
- High dynamic performances thanks to four brushless motors for the X axis and one brushless motor for the Y axis with **SEI Laser** digital control.
- Cutting head with motorized Z axis and with proportional valve for gas pressure control for cutting and marking.
- Icaro Textile software (CAM): cutting and marking process management, raster gray scale levels up to 16 bit. Special functions for cutting and decoration optimization.
- Industry 4.0 ready: full digital workflow integration.



Suction inlet on the cutting head



Safety optic barrier and safety bumpers





NRGL CONVEYOR

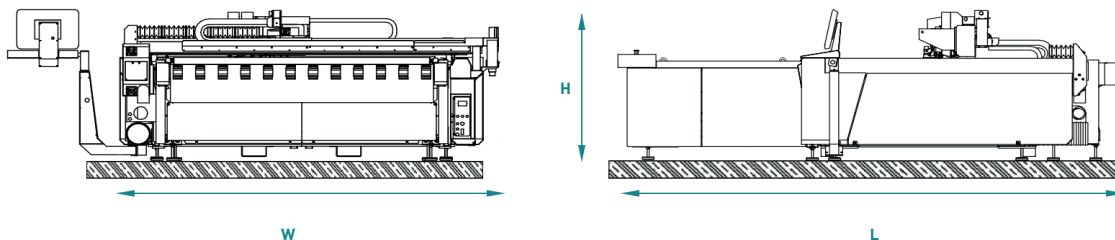
Main technical features:

Available models	1612	2215	3215	3220
Useful working area (mm)	1600x1200	2200x1500	3200x1500	3200x2000
Laser power (W)	150 - 300 - 400			
Laser technology	Sealed CO ₂ laser source excited by RF discharge			
Repeatability (mm)	± 0,05			
Resolution X-Y axes (mm)	< 0,002			
Max. acceleration (m/s ²)	15			
Max. vector speed (mm/s)	2000			
Max. raster speed Y axis (mm/s)	2000			
Max. velocità conveyor (m/min)	20			
Interface software	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			



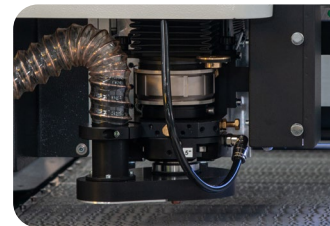
Available options that increase flexibility:

- Camera kit for registry cutting, single or multi printing markers, 2D/3D barcode reader, RGB radial/ rectangular lighting circuit;
- Available focal units and lens holders: 3,75"; 5"; 7,5";
- Rewinder/unwinder;
- Loading table to easy load and to stretch out the material to be processed;
- Unloading table to unload the processed material: substantial reduction in production times;
- Prearranged fumes suction.



	1612	2215	3215	3220
W	2604 mm	3244 mm	4244 mm	4244 mm
L	3650 mm	4325 mm	4325 mm	4375 mm
H	1395 mm	1395 mm	1395 mm	1395 mm

Camera



Conveyor

