NRGL TEXTILE

- **NRGL TEXTILE** 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 and fashion industry.
- Workable materials: genuine and synthetic leather, natural and artificial textiles, plastic films.
- 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.

THE LASER WAY

sei LASER
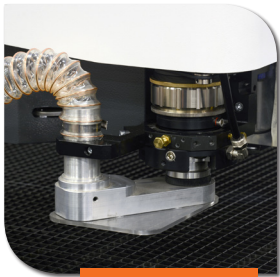
Suction inlet on the cutting head


Safety optic barriers

Conveyor

Camera

Main technical features:	
Models available (class 4)	1612 - 2215 - 3215 - 3220
Work area (mm)	1600x1200 - 2200x1500
	3200x1500 - 3200x2000
Sealed CO_2 laser source	V 150 - V 250 - V 300 - V 350
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 conveyor speed (m/min)	20
Max. resolution bitmap file (dpi)	1200
Max. gray levels bitmap file	65536
Interface software	CAM Icaro on Windows™ platform
Reading file compatibility vector	.dxf; .plt (hpgl); .ai; .eps; .pdf;
Reading file compatibility bitmap	.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

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CLASS 4 LASER SYSTEMS

Options available increasing 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
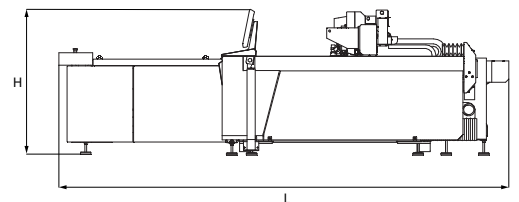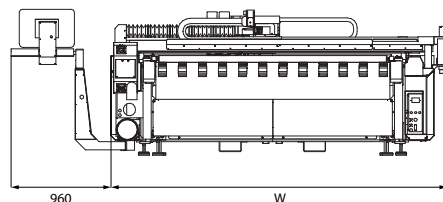
NRGL 1612
W = 2604 mm
L = 3650 mm
H = 1395 mm

NRGL 2215
W = 3244 mm
L = 4325 mm
H = 1395 mm

NRGL 3215
W = 4244 mm
L = 4325 mm
H = 1395 mm

NRGL 3220
W = 4244 mm
L = 4375 mm
H = 1395 mm

The system is CE certified.
The features and the specifications of the system may change without notice.

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