

MATRIX TEXTILE

THE HI-END SOLUTION TO PROCESS TEXTILE ROLL TO ROLL MATERIAL EXPLOITING LASER TECHNOLOGY



SEI iScan built-in laser engraving technology



- **Matrix Textile** is the outcome of **SEI Laser**'s technical expertise in processing roll to roll material for textile applications exploiting laser technology.
- **Matrix Textile** exploits proprietary laser technology to carry out hi-speed textile marking, engraving and cutting process on roll to roll material with top quality at the highest productivity. Processing speed is up to 3 times higher than the output obtained by exploiting traditional laser technology.
- The core of **Matrix Textile** is the ICARO Textile software for on fly and static process optimisation; thanks to ICARO Textile it is easy to process any vectorial or raster image or decoration.
- Processable material: natural and synthetic textile rolls, TPU, technical textile rolls.
- **Matrix Textile** complies with the directive IEC EN 60825/1.

THE LASER WAY





Conveyor table



Fumes suction/extractor



Textile marking



Textile engraving



Textile cutting

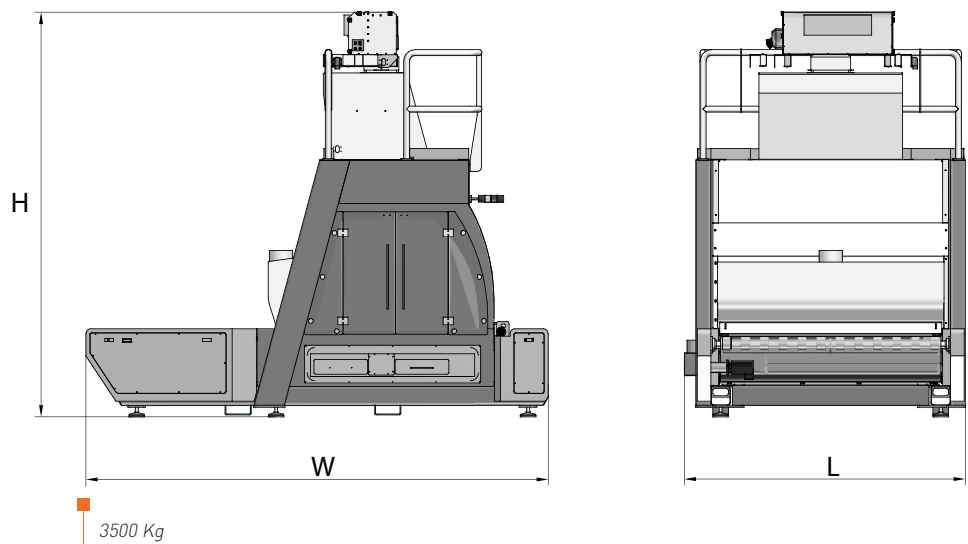
Main technical features:

Available model	Matrix TEXTILE 16	MATRIX TEXTILE 20
Max. processable roll width (mm)	1600	2000
Laser power (W)	230 - 400	230 - 400
Laser peak power (W)	700 - 1000	700 - 1000
Working speed (m/min)	Up to 18	
Marking line thickness (mm)	0.8 - 2	
File format input	BMP, JPG, TIFF, DXF, PDF, EPS	
Overall size WxLxH (mm)	4725x2470x4136	4725x2870x4136
Power supply (kW)	11 - 19	
Control unit	PC Windows™ with SW Icaro Textile pre-installed	
Compliance with norms and safety measures	2006/95/CE Low Voltage Directive 2006/42/CE Machinery Directive 2004/108/CE Electromagnetic Compatibility Directive IEC EN 60825-1 Laser	
Laser safety class	Class 1	



Main features:

- Electro-welded steel frame with external safety windows of the marking area and side safety laser shutters controlled by safety interlocks.
- Suction inlet suitable for the application.
- Conveyor consisting of metal grid.
- Processable roll width: up to 2000 mm.
- Continuous non stop cycle working (mark on fly with roll in motion).



The product is CE marked.
Features and system requirements may change without notice.