

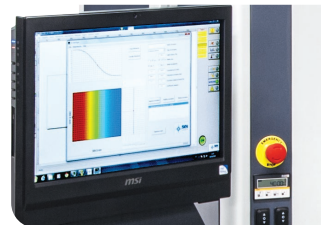


# FLEXI 1300 CONVEYOR

**Maximum productivity in roll materials processing and finishing.**

- **Flexi 1300 Conveyor** is the outcome of **SEI Laser's** technical expertise and experience of high productivity in roll material processing exploiting laser technology.
- **Flexi 1300 Conveyor** is specifically designed for utmost speed roll material cutting, marking and engraving (max width: 1300 mm) with the maximum quality.
- The core of **Flexi 1300 Conveyor** is I-Scan. Its high dynamics and quality enable a perfect cut edge guaranteeing mass productivity.
- Processable materials: natural and synthetic textile, TPU, technical textile.
- Sectors: automotive, airbag, filters, rubber gaskets, ducts (air handling), sportswear and footwear.
- **Flexi 1300 Conveyor** is a Class 1 laser safety product and complies with international standard IEC EN 60825/1.

*Touch Screen*





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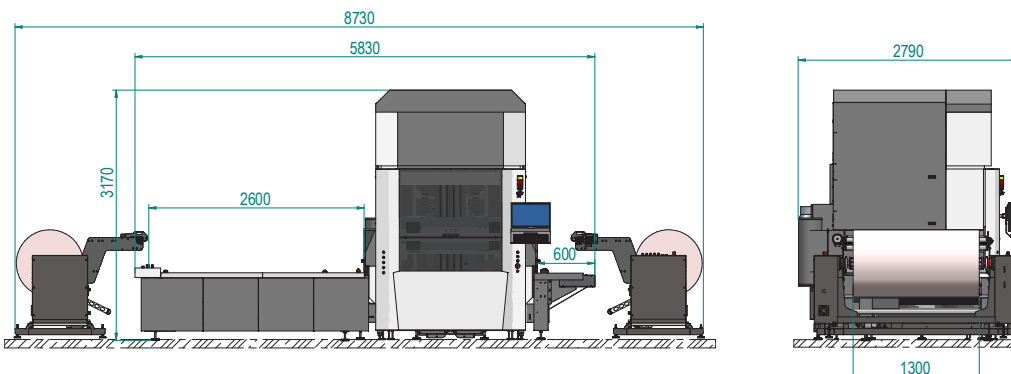
## Main technical details:

| Version                                    | V150  | V300 | V400 | V500  | V800  |
|--|---|------|------|-------|-------|
| Laser technology                           | Sealed (CO <sub>2</sub> ) diffusion cooled slab laser excited in radiofrequency |      |      |       |       |
| Laser wavelength (µm)                      | 10,6  |      |      |       |       |
| Power (W)                                  | >150  | >300 | >420 | >540  | >780  |
| Peak power (W)                             | >315  | >630 | >880 | >1135 | >1640 |
| Scan head                                  | I-Scan  |      |      |       |       |
| Laser spot-small working area (500x500 mm) | 0,22 mm   |      |      |       |       |
| Laser spot-big working area (1300x1300 mm) | 0,6 mm  |      |      |       |       |
| Cooling                                    | Water cooling (closed loop chiller)   |      |      |       |       |
| Max roll width (mm)                        | 1300  |      |      |       |       |
| Z axis (mm)                                | 800   |      |      |       |       |
| Max conveyor speed                         | 20 m/min  |      |      |       |       |
| Software interface                         | PC Windows™ with preinstalled Icaro SW  |      |      |       |       |
| CCD camera                                 | Optional  |      |      |       |       |
| 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   |      |      |       |       |



## Main features:

- Modular structure in electrowelded steel which guarantees stability, process repeatability and maximum precision;
- Device for dynamic control of focal point "Dynamic Beam Expander" directly by software, for high performance;
- Conveyor for textile roll processing;
- CCD camera (option);
- Class 1 for the safety of the operator and work environment;
- Compliance with the Industry 4.0 certification;
- 100% SEI Laser design and manufacture: guaranty of stability and repeatability.



Conveyor



Fumes extraction

