PAPERONE 5000

**The first modular laser system
for die cutting and creasing of Packaging
and Graphics Arts.**

- **PaperOne 5000** is the most technologically advanced system for digital converting and finishing of sheet materials. Specially designed for the packaging and graphic arts industry, PaperOne 5000 is the new modular laser based solution for real time die-cutting and creasing.
- **PaperOne 5000** can be configured according to the customer's needs either at the time of purchase or at any time: a wide range of options that can be field installed allows to upgrade the system at a later date.
- **PaperOne 5000** die-cuts and creases both sides of the sheet (front/back) depending on the graphic and design jobs required.
- **PaperOne 5000** matches with the most sophisticated digital workflow software programs by reading of Barcode, Qr Code etc.
- **PaperOne 5000** is fully "auto-setting" and remotely controlled.
- **PaperOne 5000** has a precise mechanical registration system in addition to a digital camera based registration system.
- **PaperOne 5000** is available in 6 laser configurations. It is designed to meet even the most demanding production requirements.

- **PaperOne 5000** utilizes an innovative, proprietary creasing/embossing system exploiting a male/female concept. A stand alone station (Origami) allows to quickly and simply create creasing/embossing plates without recourse to outsourcing. The creasing quality is equal to that of traditional professional creasing.
- Currently available modules include: manual or pallet loading automatic feeder, alignment table, male/female creasing module, laser die cutting unit, single or dual laser module, waste collector, sheet brushing module, automatic pallet loading stacker, offline system for creating creasing/embossing plates, fume exhaust system.
- Substrate types: PAPER, CARDBOARD, PET, PP, BOPP.
- Substrate range: 0,15 - 1,6 mm.
- Max sheet size: B2 - 750 x 535 mm.
- **PaperOne 5000** is classified as Class 1.
- **PaperOne 5000** complies with IEC EN 60825/1.

PAPERONE 5000

Main technical features:

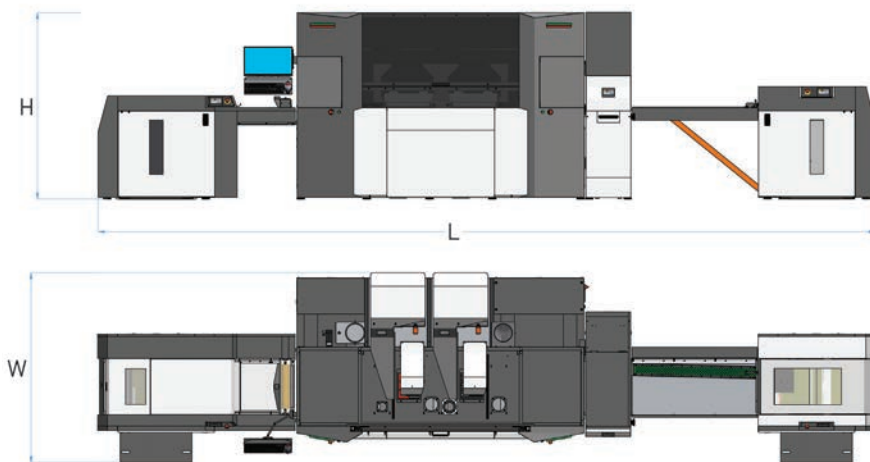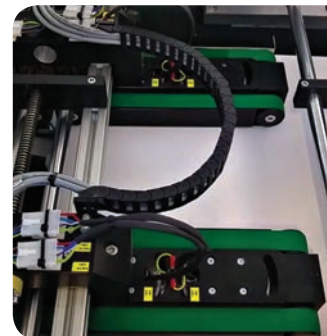|	
Sheet size input (mm)	min. 420x297 - max. 750x535
Sheet thickness (μm)	min. 150 - max. 1600
Cut technology	CO_2 sealed off laser sources - Radio-frequency pumped
Laser power (W)	300 – 500 - 800
Laser sources	Single or double
Productivity (sheet/h)	max. 2500
Transport speed (mt/min)	max. 40
Laser working area	Double 750 x 535
Registration method	Mechanical/vision camera
Pile height (mm)	max. 800
Input system	Automatic feeder or manual
Creasing tool	Proprietary magnetic flexible plates creasing
Norm compliance	2014/35/EU Low Voltage Directive
	2006/42/CE Machinery Directive
	2014/30/EU Electromagnetic Compatibility Directive
	IEC EN 60825-1 Laser

Options:

- Automatic feeder loaded from pallet;
- On the fly job changes by Qr Code reading (front/back);
- Camera registration of front and back printed markers;
- Sheet brushing module;
- Automatic pallet loading stacker;
- 6 laser configurations available;
- Patented 3D Origami for the creation of creasing/embossing clichès;
- Activated carbon filter exhaust system;
- Waste collector and fumes exhaust system.

Qr Code reader

Automatic feeder

L	8660 mm
W	2120 mm
H	2080 mm

Tripa
converting solutions