# PAPERONE 7000

**The first modular laser system for die cutting and creasing of Packaging and Folding Carton.**

- **PaperOne 7000** is the most technologically advanced system for digital converting and finishing of B1 sheet materials. Specially designed for the packaging and Folding Carton industry. PaperOne 7000 is the new modular laser based solution for real time digital die-cutting and creasing.

- **PaperOne 7000** 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 7000** die-cuts and creases both sides of the sheet (front/back) depending on the graphic and design jobs required.

- **PaperOne 7000** matches with the most sophisticated digital workflow software programs by reading of Barcode, Qr Code etc.

- **PaperOne 7000** is fully "auto-setting" and remotely controlled.

- **PaperOne 7000** has a precise mechanical registration system in addition to a digital camera based registration system.

- **PaperOne 7000** is available in 9 laser configurations. It is designed to meet even the most demanding production requirements.

- **PaperOne 7000** 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, dual/triple 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: 0,2 - 1,8 mm.

- Max sheet size: B1+, 1120x760 mm.

- **PaperOne 7000** is classified as Class 1.

- **PaperOne 7000** complies with IEC EN 60825/1.

**sei** LASER

## Main technical features:

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|---|---|
| Sheet size input (mm) | min. 500x350 - max. 1120x760 |
| Sheet thickness (µm) | min. 200 - max. 1800 |
| Cut technology | $CO_2$ sealed off laser sources - Radio-frequency pumped |
| Laser power (W) | 300 - 500 - 800 |
| Laser sources | Double, triple |
| Productivity (sheet/h) | max. 2500 |
| Transport speed (mt/min) | max. 40 |
| 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;

- 9 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*



| | |
|---|---|
| **L** | 10960 mm |
| **W** | 2520 mm |
| **H** | 2140 mm |

*Automatic feeder*



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