

PAPERONE 5000

THE FIRST MODULAR LASER SYSTEM FOR DIE CUTTING AND CREASING OF PACKAGING AND COMMERCIAL PRINT JOBS.



- 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 integrates excellently 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 system exploiting a male/female concept. A stand alone station allows to quickly and simply create creasing 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 laser module for creating creasing plates, dispenser and assembly table for creasing plates, fume exhaust system.
- Substrate types: PAPER, PET, PP, BOPP.
- Substrate range: 0,15 - 0,6 mm.
- Max sheet size: B2: 750 x 530 mm.
- PaperOne is classified as Class 1.
- PaperOne complies with IEC EN 60825/1.
- It can be configured according to the customer's needs.



Loading-unloading by pallet



Alignment table



Variable data reader



Pile stacker



Automatic feeder

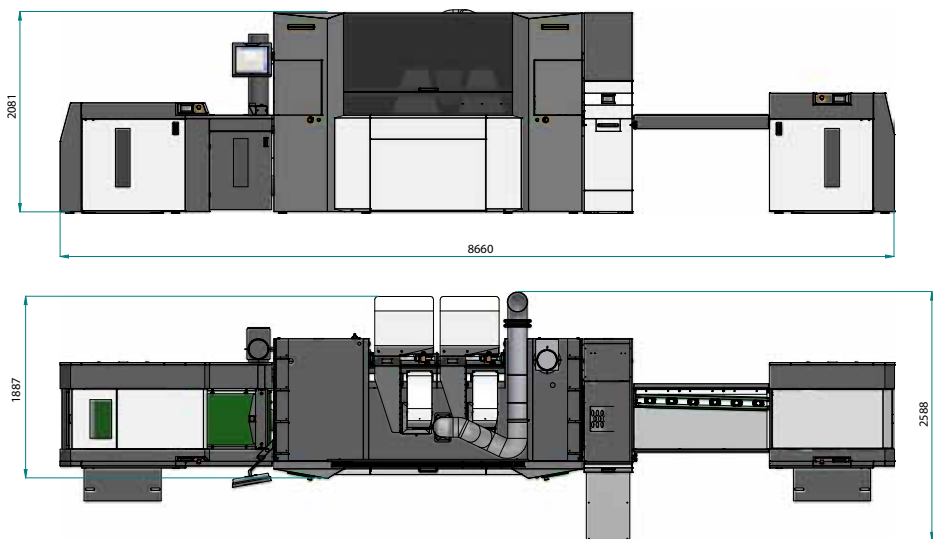
Main technical features:

Sheet size input (mm)	min. 420 x 297 - max. 750 x 530
Sheet thickness (µm)	min. 150 - max. 600
Sheet format	Portrait
Cut technology	CO ₂ sealed off laser sources - Radio-frequency pumped
Laser power (W)	150 - 300 - 500
Laser sources	Single or double
Productivity (sheet/h)	max. 2500
Transport speed (mt/min)	max. 40
Laser working area	Double 750 x 530
Registration method	To sheet and to image
Pile height (mm)	max. 800
Input system (mm)	Single platform for pallet 800 x 600 x 115 or wooden table
Creasing tool	Magnetic flexible plates creasing
Compliance with norms and safety measures	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 via reading of variable codes (front/back)
- Camera registration of front and back printed markers
- Sheet brushing module
- Automatic Pallet loading stacker
- 6 laser configurations available
- Digital dispenser for creating creasing plates
- Assembly table for creasing plates
- Laser module for creating creasing plates
- Activated carbon filter exhaust system



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

www.seilaser.com