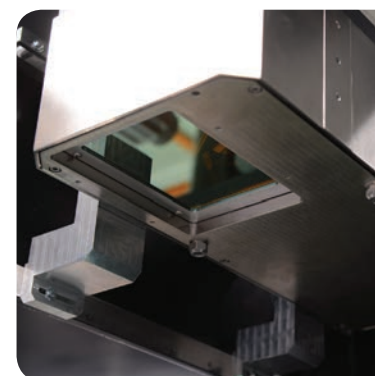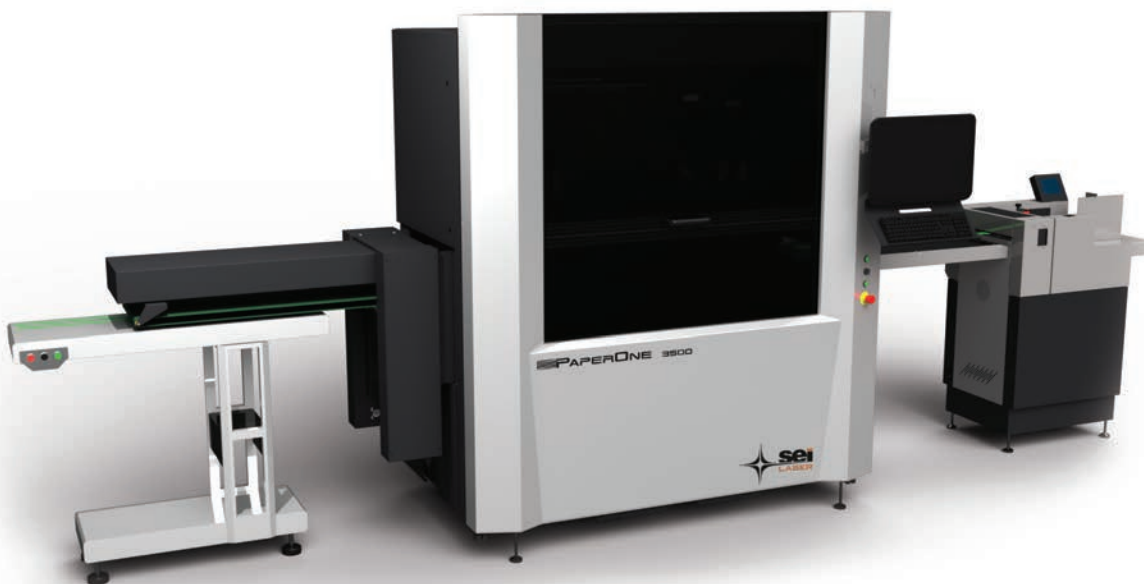# PAPERONE 3500

The most flexible automatic digital finishing system for laser die–cutting and creasing for Graphic Arts.

- **PaperOne 3500** is a flexible, technologically advanced system for laser based converting and decorating of sheet materials. Specially designed by SEI Laser for the Graphic Art Industry.
- **PaperOne 3500** is the new fully automatic laser based solution for real time creasing and die-cutting.
- **PaperOne 3500** die-cuts, micro-perforates, decorates and creases both sides of the sheet (front/back) depending on the job and design.
- **PaperOne 3500** matches with the most sophisticated digital workflow software programs by reading Barcode, Qr Code etc.
- **PaperOne 3500** has a precise mechanical registration system, in addition to a digital camera based registration system.

- **PaperOne 3500** is available in 3 laser configurations, to meet the most demanding needs.
- **PaperOne 3500** is a modular system that can be configured with the following modules: automatic feeder, male/female vertical creasing module, alignment table, laser die-cutting module, single laser module, waste collector, automatic stacker, conveyor belt stacker and fume exhaust system.
- Substrate types: PAPER, PET, PP, BOPP.
- Substrate thickness: 0,09 - 0,6 mm.
- Max sheet size: 375x1050 mm.
- **PaperOne 3500** is classified as Class 1.
- **PaperOne 3500** complies with IEC EN 60825/1.

Outstanding scanning laser head

PAPERONE 3500

Main technical features:

Sheet size input (mm)	min. 105x148 - max. 375x1050
Sheet thickness (μm)	min. 90 - max. 600
Cut technology	CO_2 sealed off laser sources - Radio-frequency pumped
Laser power (W)	150 - 300 - 500
Laser sources	Single
Productivity (sheet/h)	max. 2500
Transport speed (mt/min)	max. 40
Laser working area (mm)	350x1050
Registration method	Mechanical/vision camera
Pile height (mm)	max. 180
Input system	Manual
Creasing tool	Male/female vertical creasing module
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

Options:

- Automatic feeder;
- "On-the-fly" job changes by Qr Code reading (front/back);
- Camera registration of front- back printed marks;
- Automatic stacker;
- Belt conveyor stacker;
- 3 laser configurations available;
- Output dispenser;
- Activated carbon filter exhaust system;
- Waste collector and fumes exhaust system.

Automatic loading

Reflection-free working table

L	7060 mm
W	1950 mm
H	2210 mm

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