

trotec[®]

laser. marking cutting engraving

setting
new
standards

Laser systems for cutting and engraving
high-volume print products

→ GS Series



High profitability from the first page
Intricate cuts and engravings on paper
500 × 500 mm working area

→ Profitable printed products with digital laser cutting

Added value for printed materials: Achieve higher profit margins by using laser finishing

Whether business cards, brochures, packaging or labels – use of laser cutting or engraving increases the quality and selling prices of these products. By engraving of logos, individual laser cutting of names and ultra-sophisticated ornaments you set yourself apart from the competition.



Business cards:

4-color print
Format 85 × 55 mm
100 pcs.

Greeting cards:

4-color print
Format 210 × 297 mm
100 pcs.

Brochures:

4-color print, 18 pages
Format 200 × 200 mm
1500 pcs.

→ Without laser cutting



→ With laser cutting



New Products

With a laser system of the GS series you create products that would be impossible without a laser system. Expand your range with additional services such as register-accurate contour cutting, finest geometries of engraving or perforation of printed materials. Short runs thus become highly profitable.

Variety of materials

A laser can cut a wide range of materials such as acrylic, paper, cardboard, MDF, polystyrene or foam. Combination of digital printing and laser technology enables print service providers to offer finished products – more than just a sheet of printed paper. Develop new areas of business, enthruse your customers with exceptional applications.

Perfect finishing thanks to register accuracy

Registration mark detection allows printed paper to be cut delicately and engraved individually. Printing deviations are detected by the SpeedMark Vision software, and the cutting path is automatically adjusted. No matter whether the distortion is linear or non-linear. The cutting lines always match the printing perfectly.

SpeedMark Software

The SpeedMark Software is designed specifically for industrial cutting and engraving processes. From data import through graphics processing to generation of barcodes, it covers all steps. Additionally, the SpeedMark user interface can be customized using macros. From simple direct input to fully automated workflows, everything is possible. You can even process variable data from external systems and databases.

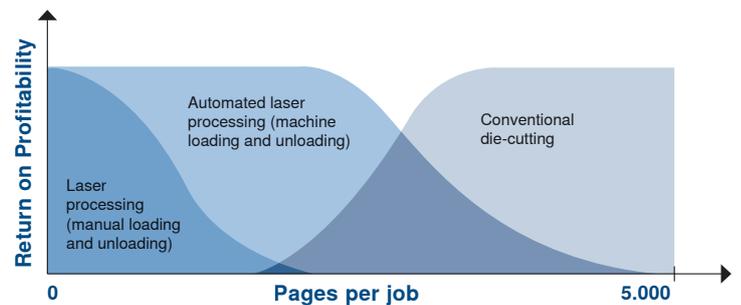
→ GS1200: Automized laser system



The GS1200 is an automated solution with a flat pile feeder, automated paper path and sheet stacker. With this laser cutting machine the user can cut paper formats up to B2 with a net speed up to 30 sheets per minute. Integration into your existing data management is possible without any problems.

→ Laser or die-cutting – when to use which?

Use of laser technology makes your work profitable from the very first printed sheet. For small and medium runs, laser processing is the ideal finishing solution. It saves the time and money for the production of conventional die-cutting tools. On your marks, get set, laser!



Optimized workflow with digital finishing

Laser – manual handling



Laser – automated solution



Conventional die-cutting



→ The technology of GS1000 and GS1200

	GS1000	GS1200
Overall dimensions (W × D × H):	1000 x 1400 x 2200 mm	4800 x 1800 x 2200 mm
Possible formats:	up to B3	up to B2
Maximum positioning speed:	up to 9 m/s	up to 9 m/s
Mechanical design:	Closed casing with double safety system, CE-compliant; software-controlled Z-axis; software-controlled Y-axis (only GS1200 pro)	
Laser features and power levels:	Sealed-off CO ₂ laser with 100 W output, water-cooled; 3-axis galvo system	
Weight:	approx. 550 kg (depending on configuration)	approx. 2000 kg (depending on configuration)

→ **Trotec Lasers – designed and built in Austria and Germany.**



Exceptional POP stand-up displays



Smart packaging with laser perforation and cutting



Paper finishing with laser engraving

Send us your materials and samples: Our application technicians will help you find the best laser system for you.

www.troteclaser.com

Trotec Laser GmbH
Linzer Str. 156, A-4600 Wels, trotec@troteclaser.com
Tel. +43 / 72 42 / 239-7777, Fax +43 / 72 42 / 239-7380

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