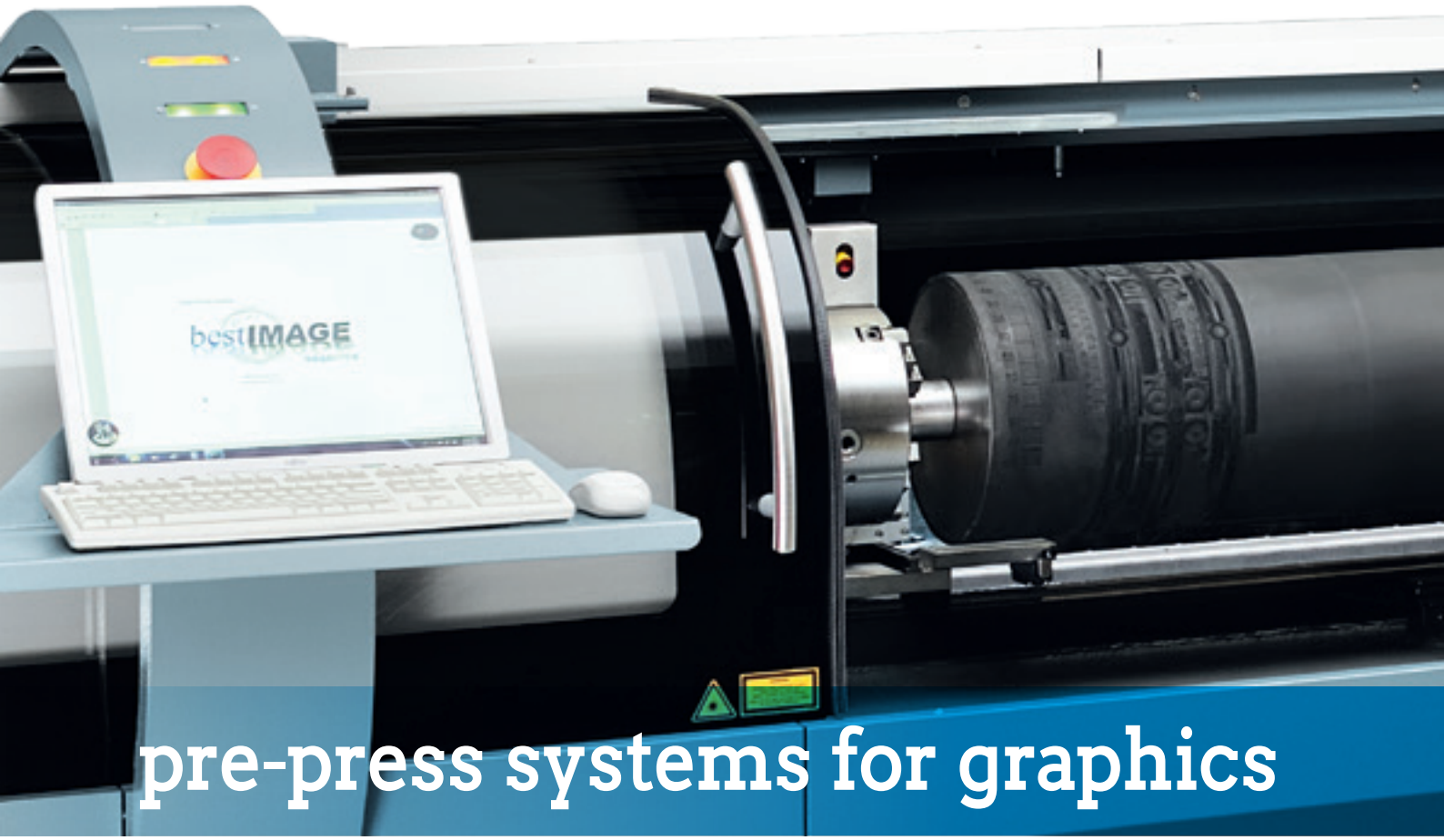
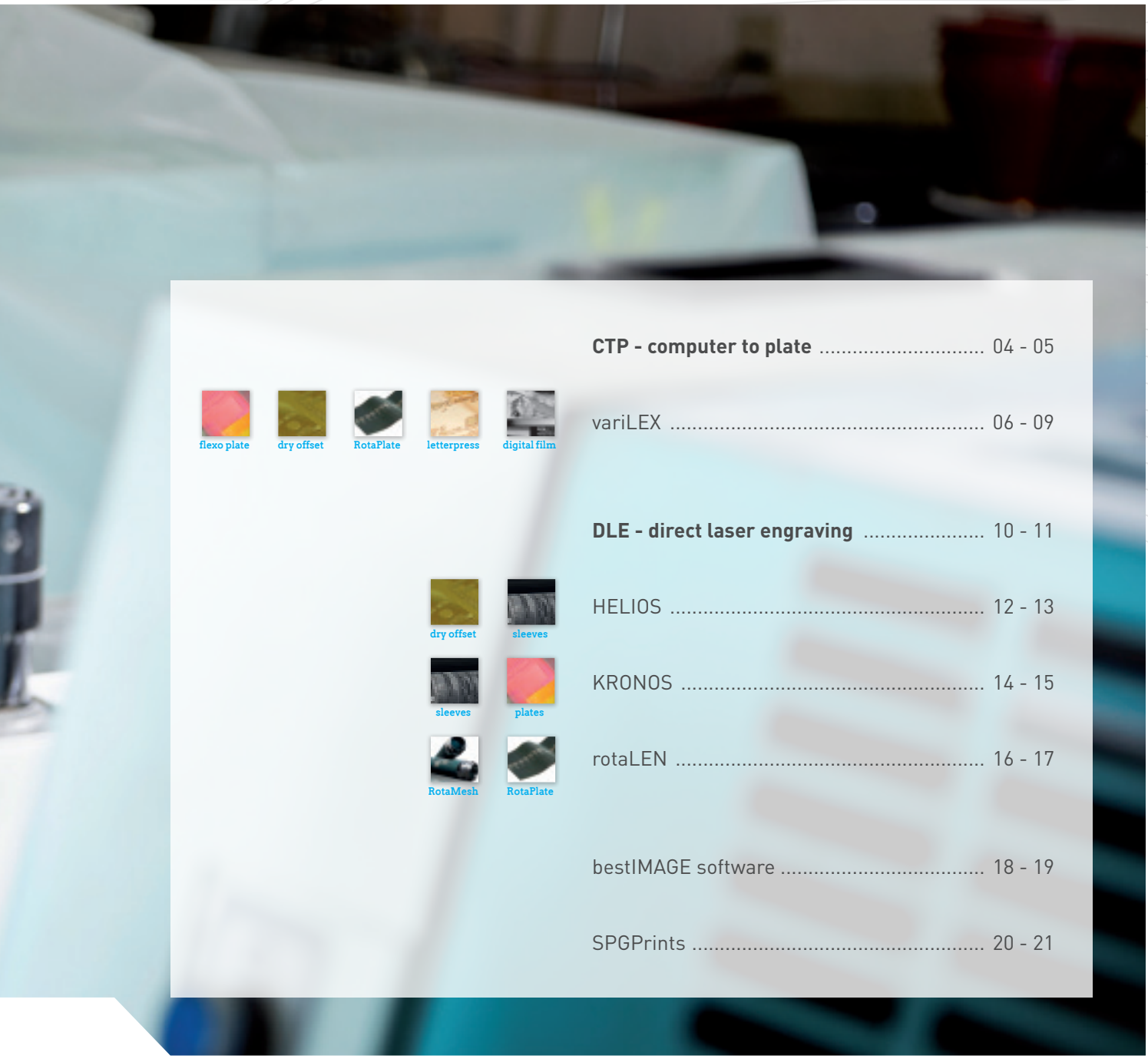


pre-press systems for graphics

spgprints®

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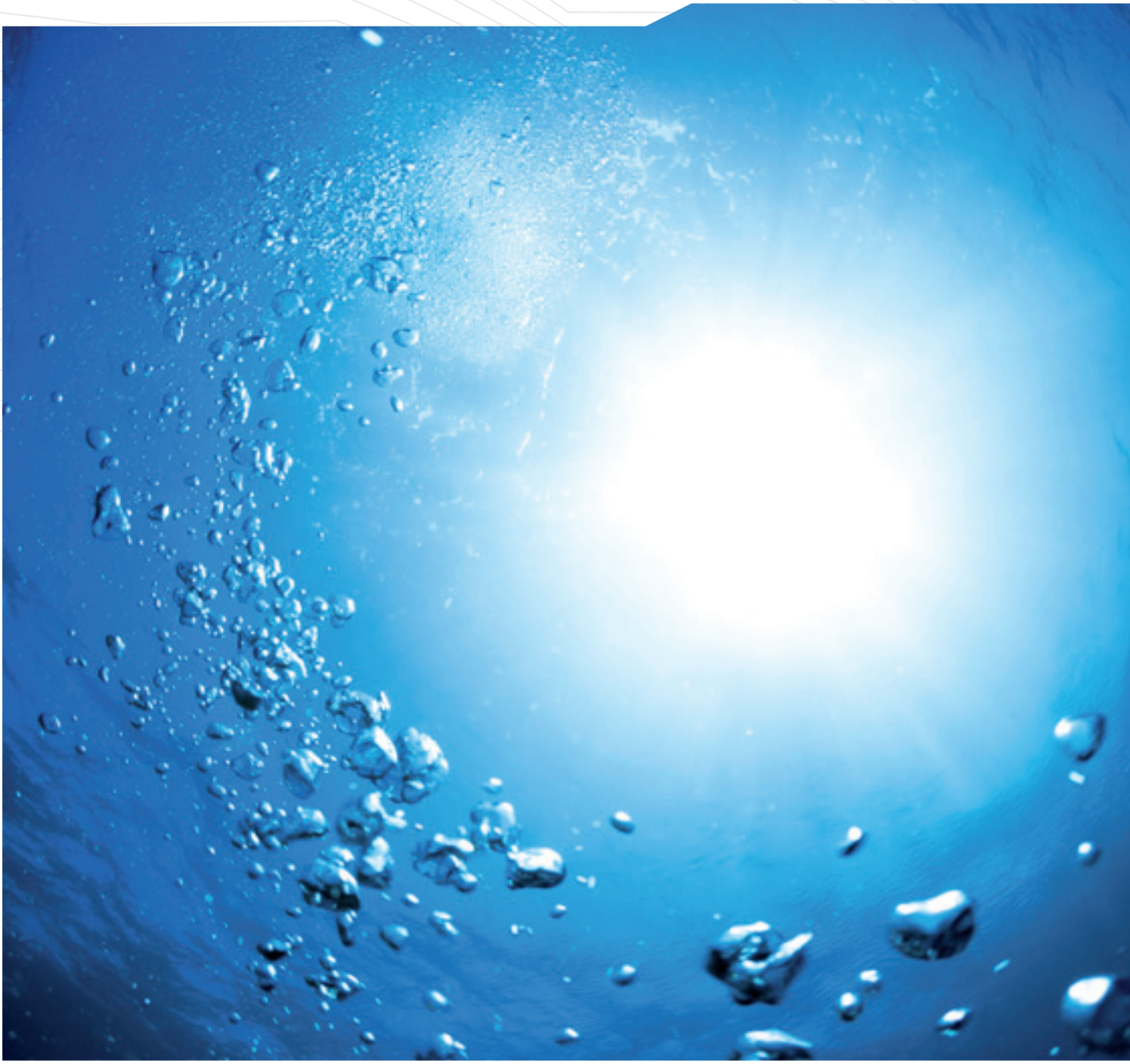
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spgprints®

computer to plate

CTP



spgprints®

State of the art

CTP computer to plate

SPGPrints takes computer to plate technology to the next level: high quality and high productivity are finally combined with an attractive level of investment. SPGPrints has drawn on its 30 years of experience in imaging systems to create a system which really answers all the market needs. The black mask ablation is done with specially developed high power diodes. These diodes combine top quality with a long lifetime. Depending on your requirements, the laser head can be delivered in several versions to match your productivity and flexiblity demand. The diodes are combined with our standard high definition optics. This way, we can meet even the highest quality standards. The system also comes with an integrated in-line exposure system. It increases the quality substantially by creating steep shoulders and flat-top dots. This allows cleaner printing results and larger tonal ranges compared to other UV-techniques on the market. Along with the quality aspect, in-line UV eliminates a process step, improving the reproducibility and reducing the amount of labour. So, the only thing needed besides our CTP system to be ahead in the market is a power socket and a plate washer.

vari LEX



The variLEX is SPGPrints' answer to the industries in need of a multifunctional CTP solution. The dynamic market and the ongoing technological developments force the printing industry to increase the quality and improve the flexibility in file formats and printing technologies.

SPGPrints' variLEX can be equipped with a multibeam diode laser system for ablating the black mask and/or a multi-beam diode UV-laser system to directly expose UV-sensitive materials like screens. The standard integrated inline exposure system is unique. Ablation and exposing are carried out in a single step, eliminating the offline exposure.

The machine can also be equipped with different mounting cylinders to handle different materials: a black anodized vacuum cylinder to handle flexo plates, a magnetic cylinder to handle dry offset plates or screens or a hybrid cylinder (vacuum and magnetic) to handle all materials.

The system comes with SPGPrints´ unique software solution including our database driven on-the-fly RIP system. This allows you to use all common file formats in the graphics industry. The variLEX is therefore the most flexible, high quality prepress solution for the label, dry offset and flexible packaging industry.

Technical specifications

Laser	IR / UV multibeam
Max. plate size variLEX 81xx	635 x 762 mm / 25" x 30"
Resolution variable up to	5080 dpi
Application	flexo plate, dry offset, RotaPlate, letterpress, digital film

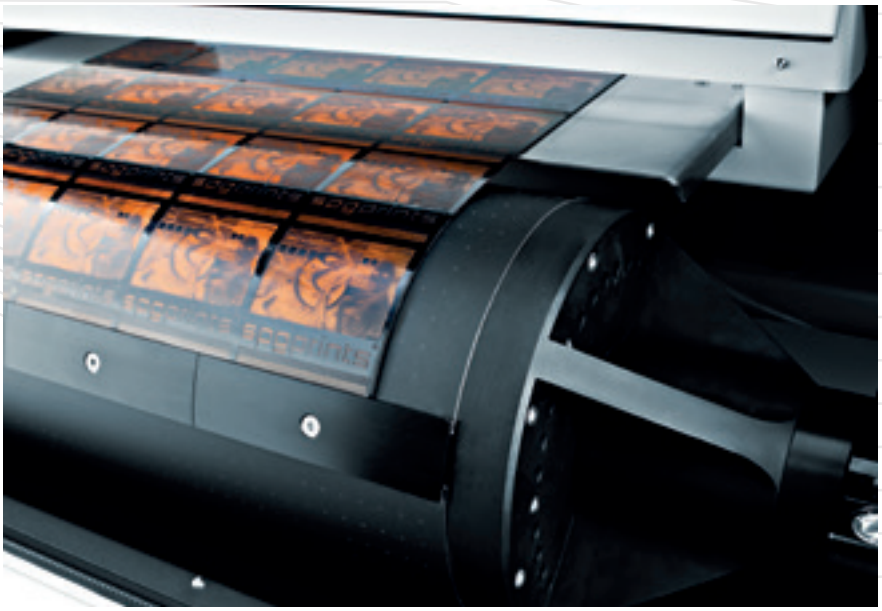

flexo plate


dry offset


RotaPlate


letterpress

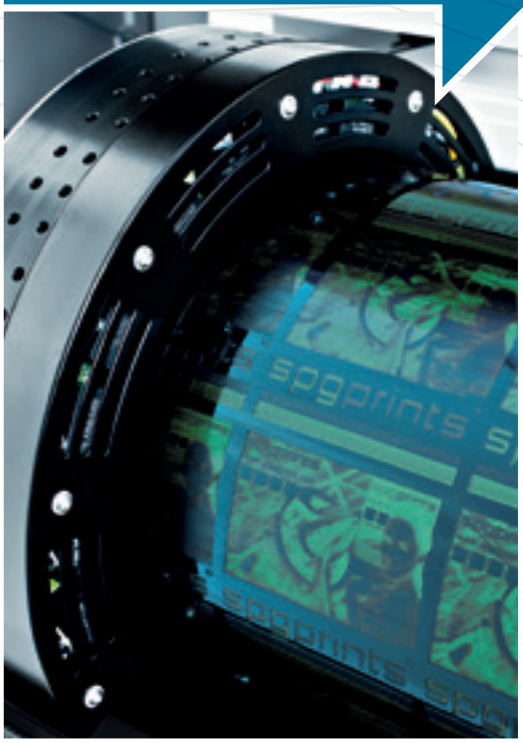

digital film



features

- Plug and Play
- Inline UV LED exposure
- Software workflow connection





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The variLEX is SPGPrints' answer to the industries in need of a multifunctional CTP solution. The dynamic market and the ongoing technological developments force the printing industry to increase the quality and improve the flexibility in file formats and printing technologies.

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Technical specifications

Laser	IR / UV multibeam
Max. plate size variLEX 82xx	1200 x 900 mm / 48" x 35"
Resolution variable up to	5080 dpi
Application	flexo plate, dry offset, RotaPlate, letterpress, digital film

vari LEX

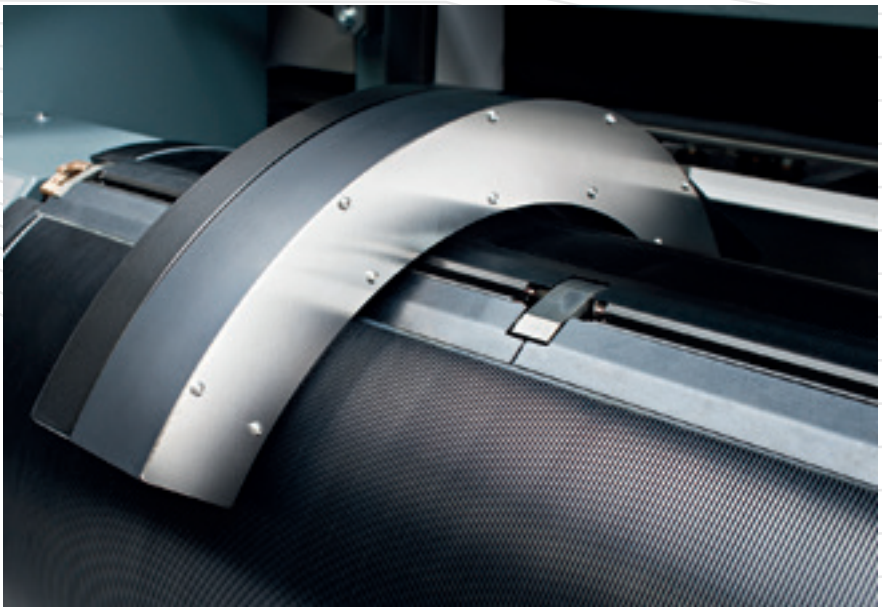

flexo plate


dry offset


RotaPlate


letterpress


digital film



features

- Plug and Play
- Inline UV LED exposure
- Software workflow connection

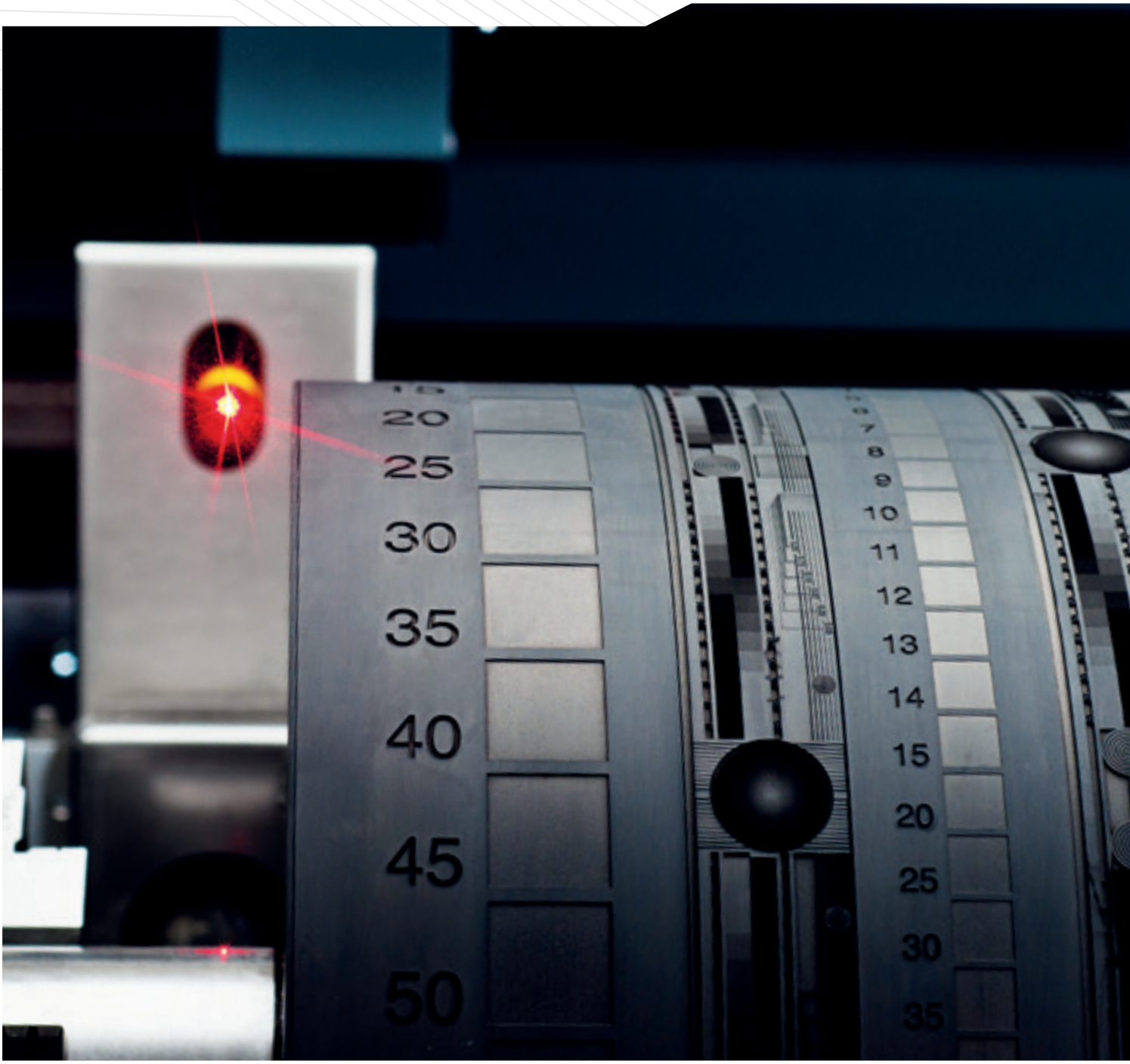




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DLE direct laser

engraving



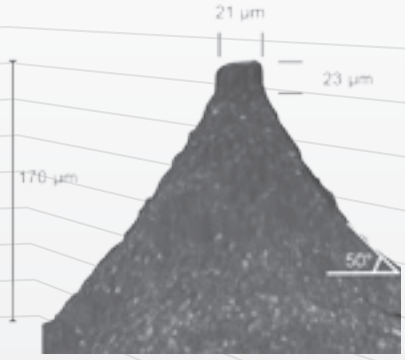
spgprints®

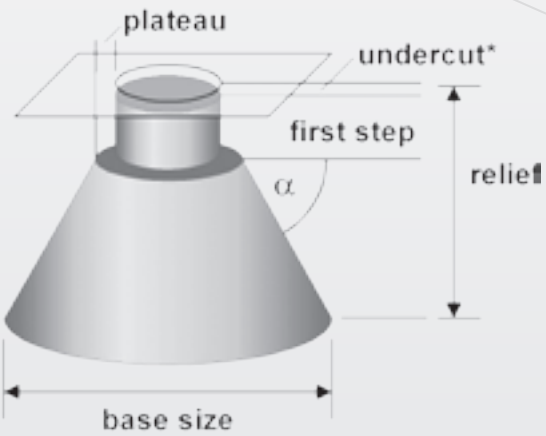
State of the art

DLE direct laser engraving

SPGPrints' Direct Laser Engraving (DLE) solutions are unique in regards to the quality of engraving with CO_2 lasers. For 30 years we have been developing systems, allowing the engraving of plates and seamless printing forms for several applications. Various materials like polymer, elastomer, and lacquer can be engraved independent of its colour for the flexo, dry offset, screen-printing and embossing applications. Our active 3D RIP system, developed in-house, allows 3-dimensional dot shaping of the printing form. Typically this is used to prevent over-impression of smaller elements. Smaller elements are set below the printing surface, so they print equal to larger elements.

All prepress solutions from SPGPrints are equipped with a digital database which stores different calibrated material specifications. This reduces the chance of human errors and increases the efficiency in the whole workflow.







The HELIOS Direct Laser Engraving system is a proven solution for producing high quality printing forms for various applications. Different materials can be imaged, like polymer, elastomer, POM, etc. regardless of its colour.

Like every direct laser engraving system of SPGPrints, it uses database driven active 3D RIP system for relief printing forms in order to produce the optimal shoulders of the image. This results in excellent quality without special software tricks.

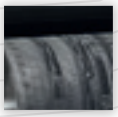
The HELIOS allows a complete digital process with just one step. No solvent processing, no chemicals to be handled and stored. Dry offset and label printers can now produce the highest quality print with a shorter, simpler process with much less chance for errors. Overall response time is reduced for increased flexibility in meeting customer demands with no compromise in quality. Our laser systems are renowned for their stability and excellent reproducibility.

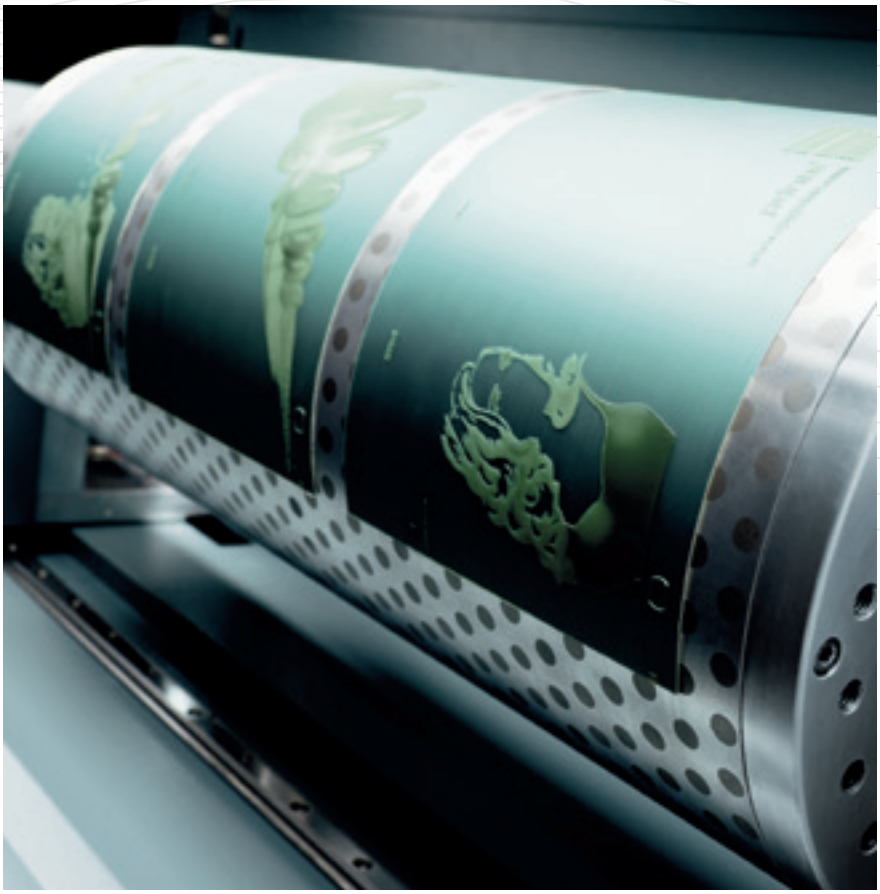
Technical specifications

Laser	CO_2 single beam
Max. number of plates	09 / size 185 x 310 mm
Sleeve repeat size	267 – 1210 mm / 10.51“ – 47.48“
Resolution variable up to	5080 dpi
Application	dry offset, sleeves & embossing

HELIOS

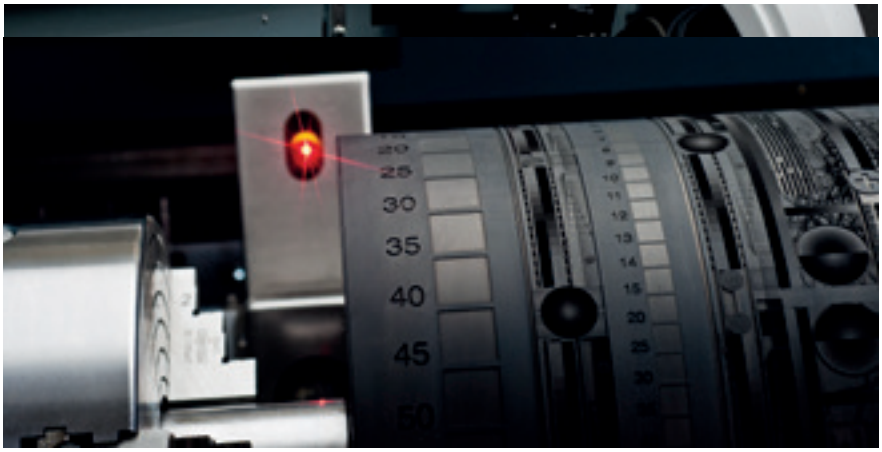

dry offset

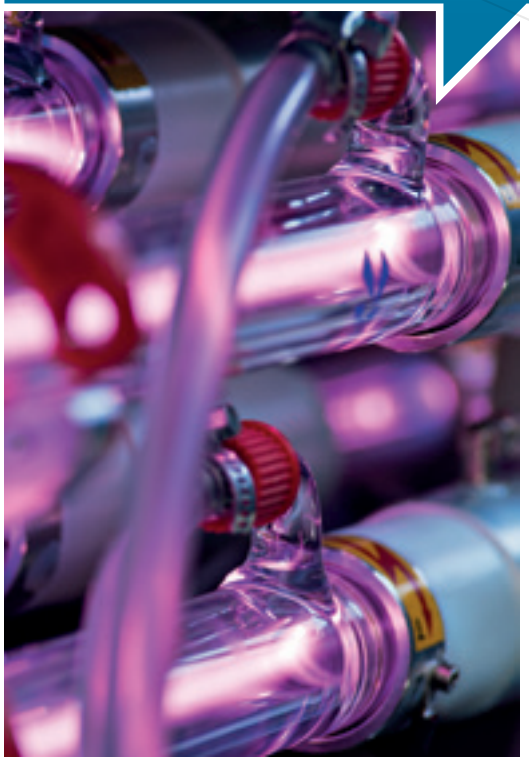

sleeves



features

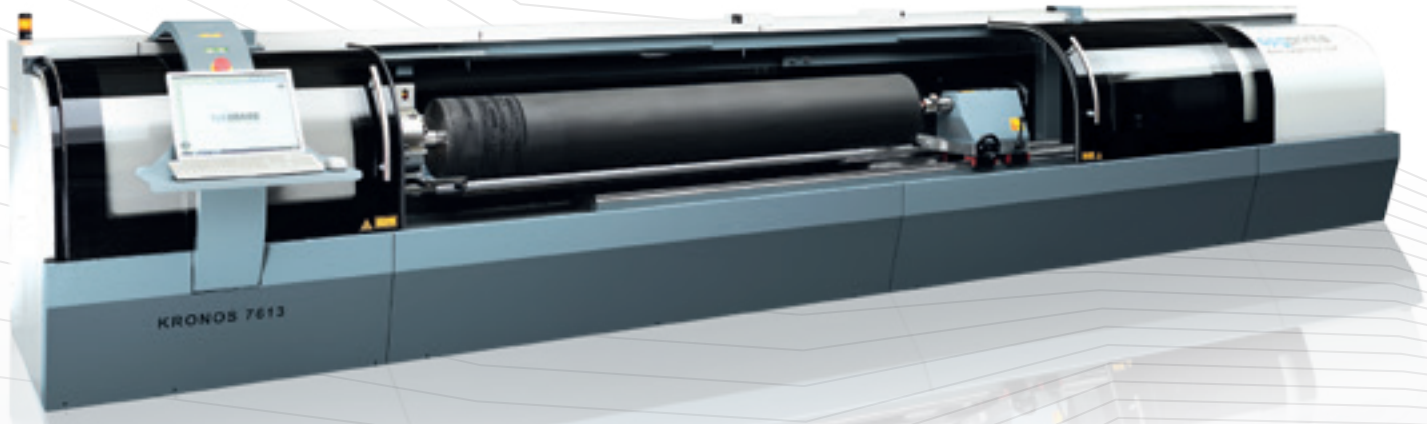
- High quality due to Active 3D-RIP
- Below surface dot
- Easily integrable into existing workflow





spgprints®

KRONOS



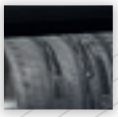
The KRONOS is SPGPrints´ answer for companies who need seamless endless sleeves and rollers. The unique laser system, developed in-house, allows top quality, even at higher relief depths, in order to meet today´s and future requirements for elastomer sleeve making. The system is equipped with our own active 3D RIP software, which allows the direct imaging of various file formats.

Like all prepress solutions from SPGPrints, the KRONOS is equipped with a digital database which stores different calibrated material specifications. This reduces the chance of human errors and increases the efficiency in the whole workflow.

The system is designed to work with air cylinders in between 3-jaw chuck and center point.

Technical specifications

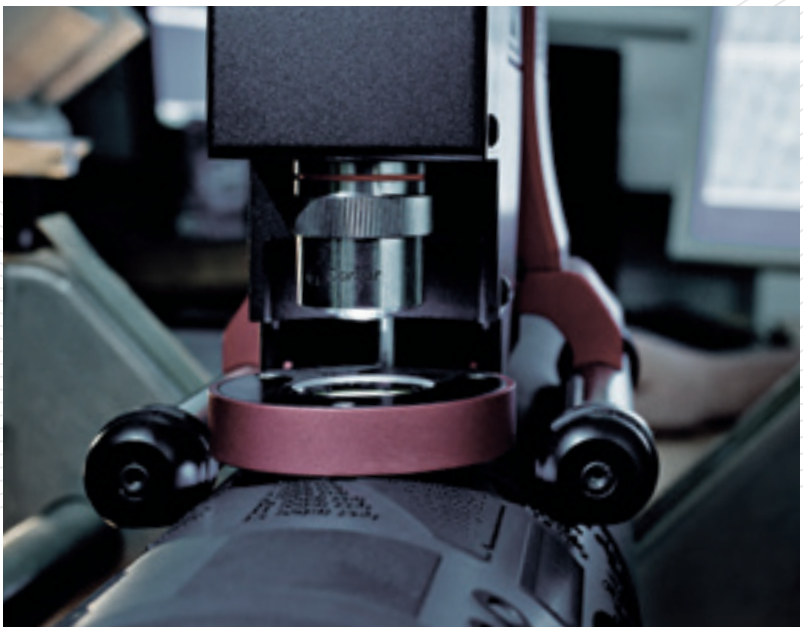
Laser	CO_2 single beam
Engraving width Kronos 7612	< 2.000 mm / 79"
Engraving width Kronos 7613	< 3.200 mm / 126"
Repeat size	250 - 1270 mm / 9.48" - 50.00"
Resolution variable up to	5080 dpi
Load weight up to	500 kg / 1100 lbs
Appliaction	flexo sleeves & plates



sleeves

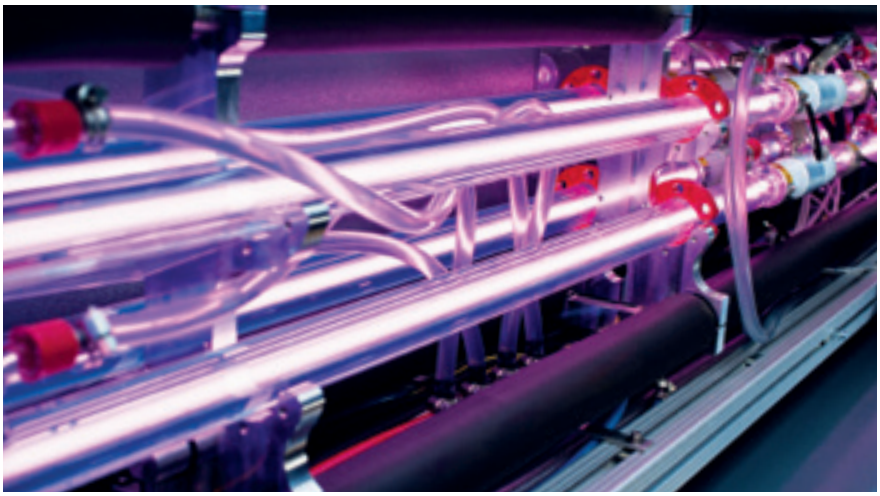


plates



features

- Active 3D-RIP
- Deep relief
- High quality workhorse







spgprints®

rota LEN



This Direct Laser Engraver is specifically designed to serve printers in the label and security market. The **rotaLEN** can easily be integrated into the existing workflow and engraves images onto RotaMesh and RotaPlate screen material, in a one-step dry and fully digital process. With the shortest possible time-to-press and perfect reproducability, no remakes due to film or wash out issues, the **rotaLEN** allows an economical and cost effective screen making workflow.

The **rotaLEN** concept is based on SPGPrints´ applicational know-how over the past 30 years and enhances the Direct Laser Engraving process in the label industry.

secuLEN available with customized SecuScreen & SecuPlate mounting system.

Technical specifications

Laser	CO_2 single beam
RotaMesh size / SecuScreen size	10“ - 36“ x 1200 mm / R640-1200 x 1000 mm
RotaPlate size / SecuPlate size	10“ - 25“ x 555 mm / < 900 x 880 mm
Resolution variable up to	5080 dpi
Application	RotaMesh, RotaPlate



RotaMesh

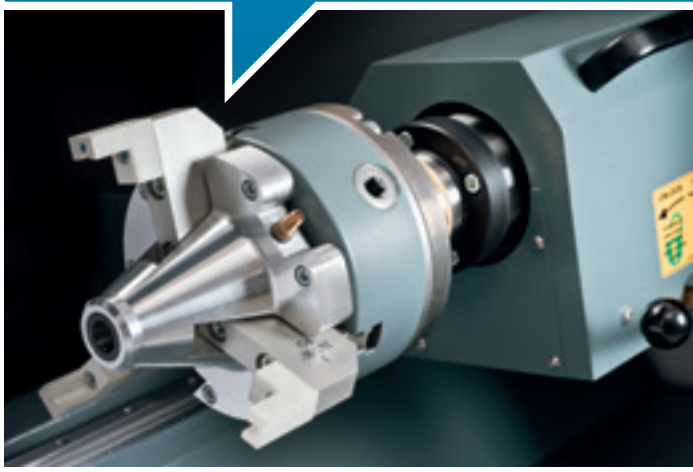


RotaPlate

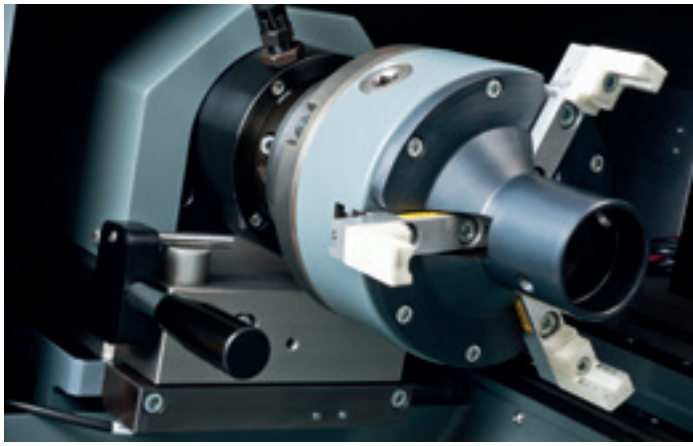


features

- Cost effective
- Single step dry process
- Perfect reproducability







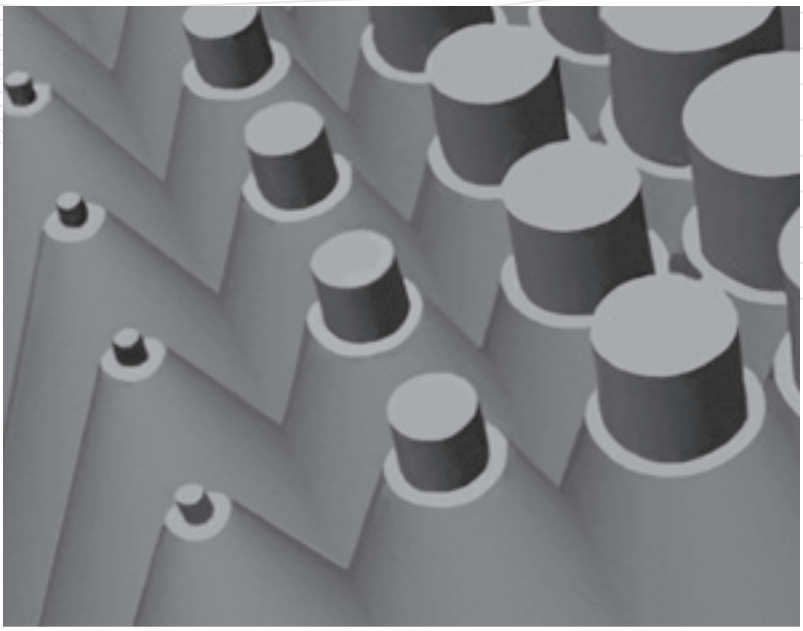
spgprints®



bestIMAGE software

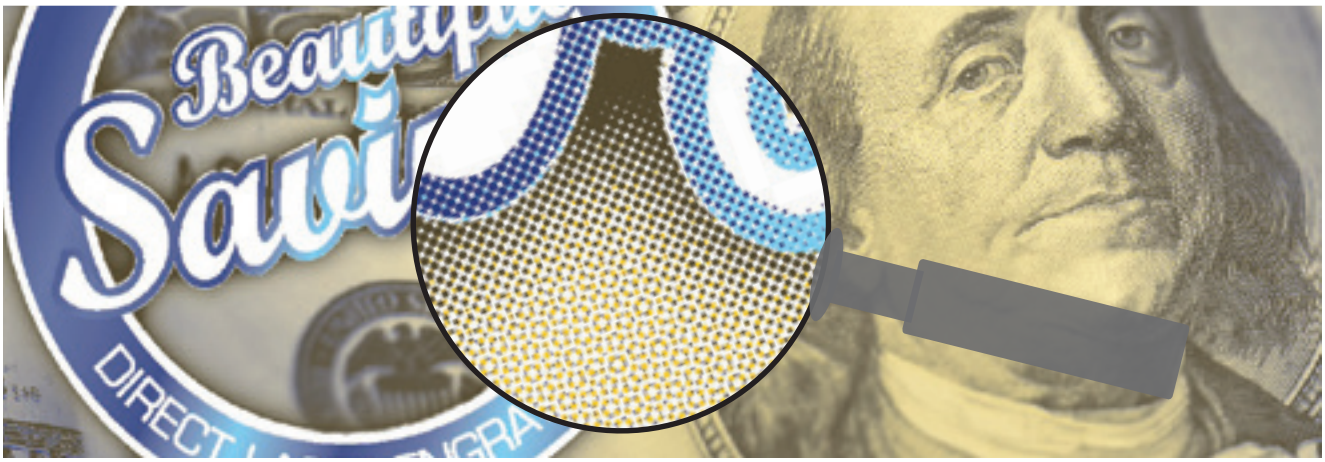
SPGPrints' own software, called bestIMAGE, is the optimal CAD-CAM solution for your worflow. The software includes unique features like "Active 3D-RIP", "Remove Overlay" and " Job Editor" which are supported with a preview.

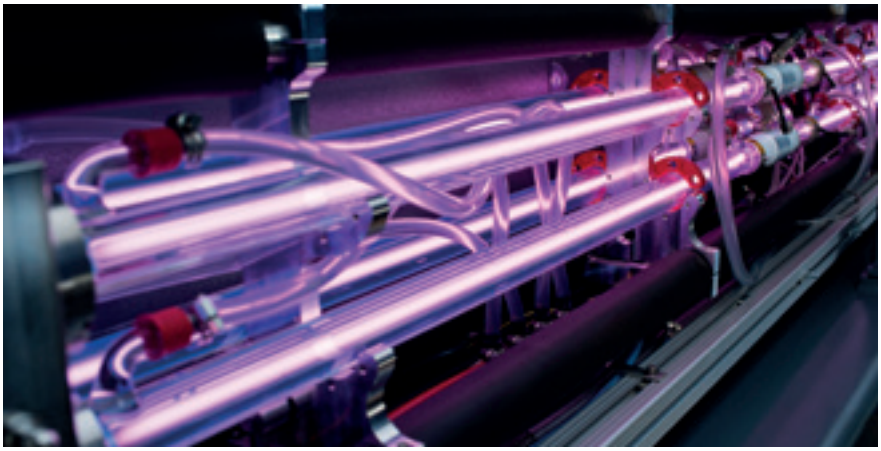
Every SPGPrints prepress system comes with a built-in "on the fly" RIP which reduces the file preparation time. Images can also be rasterized offline on the CAD station. In this way tools like "Remove Overlay" and "Frame Up" make it possible to optimize your file for perfect final print results. The total system is database driven via its "Production Calibration" which reduces the chances of human errors, increases productivity and ensures the highest possible quality. Using the CAD station, job tickets can be created with the "Job Editor" in order to increase the up-time on the prepress machine and avoid mistakes. Just open the job ticket and press start.

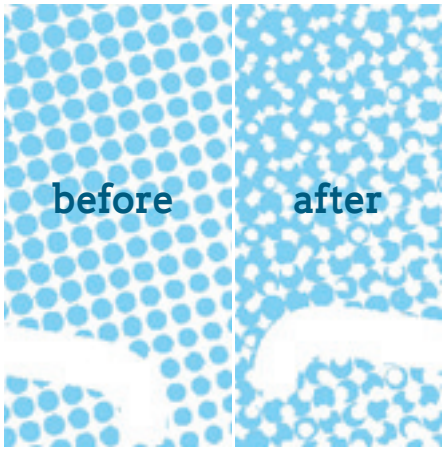


features

- Optimal CAD-CAM solution
- Database driven, including RIP
- Easy and fast remove overlay







spgprints®

SPGPrints is a global leading company in the textile and graphic printing market. Providing total system solutions: from screens, lacquers, inks and digital engraving to a broad range of rotary screen and digital printing systems. Being the expert in electroforming this not only entails highly reliable rotary screen technology but also an extensive program of precision metal products. Through continuous innovation and a powerful distribution network, SPGPrints adds significant value to its customer's processes and products.

Core activities

- Rotary screen printing for the textile and graphics industries
- Inkjet printing for the textile and graphics industries
- All from a consumable-driven market approach

Core competences

- Development and production of screens and the printing systems required for their use in the textile and graphic printing industry.
- Supply of consumables such as inks and lacquers, services, spare parts and auxiliaries for the textile and graphic printing industry.
- Production of precision metal products by means of electroforming and photo-etching.

Market position

GRAPHIC PRINTING

- Rotary screen printing
- Rotary screens
- UV inkjet label printing
- Digital UV cured inks
- Digital prepress equipment
- Wallpaper printing machines
- Pad Printing

TEXTILE

- Rotary screen printing
- Rotary screens
- Inkjet printing
- Digital textile inks
- Digital prepress equipment
- Coating & finishing

PRECISION METAL

- Electroforming
- Microfiltration
- Standard sieves
- Cartridge filters
- Customized precision metal parts



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