

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





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 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



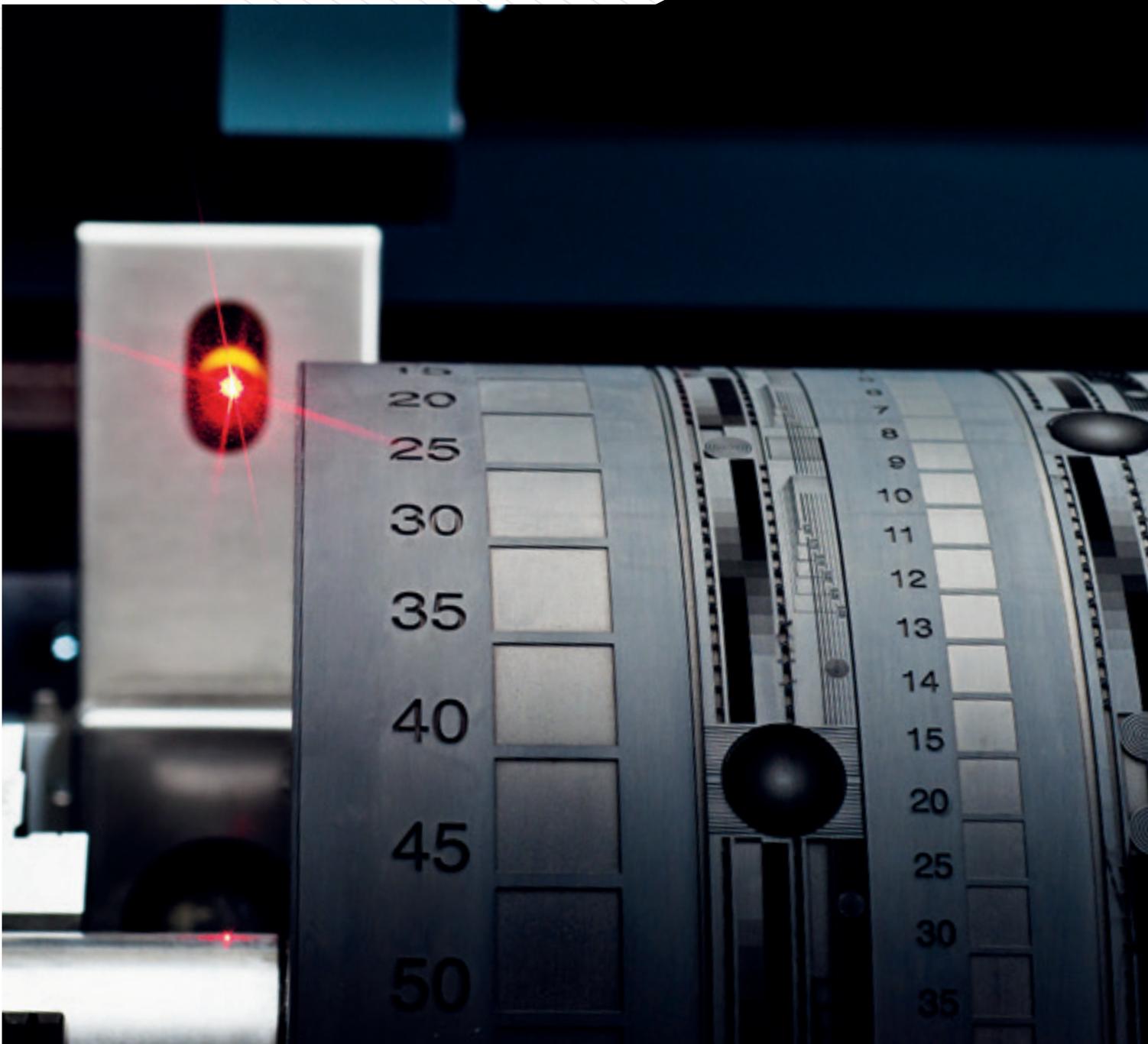
features

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



DLE direct laser

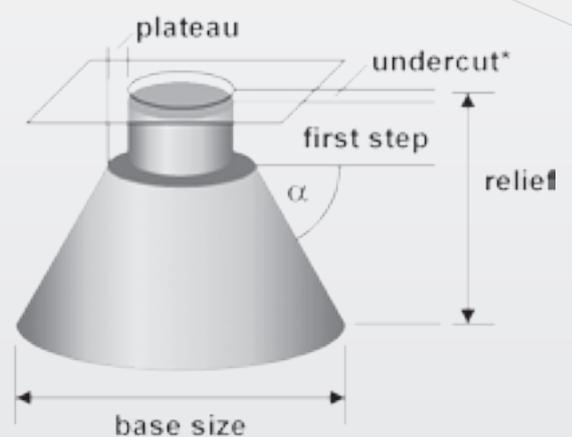
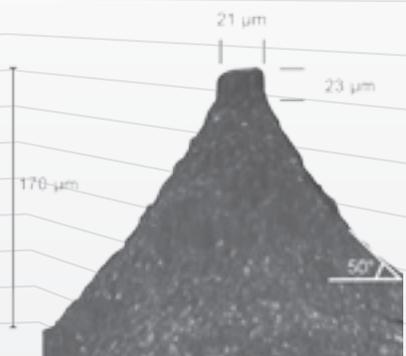
engraving



State of the art DLE direct laser engraving

SPGPrints' Direct Laser Engraving (DLE) solutions are unique in regards to the quality of engraving with CO₂ 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 |

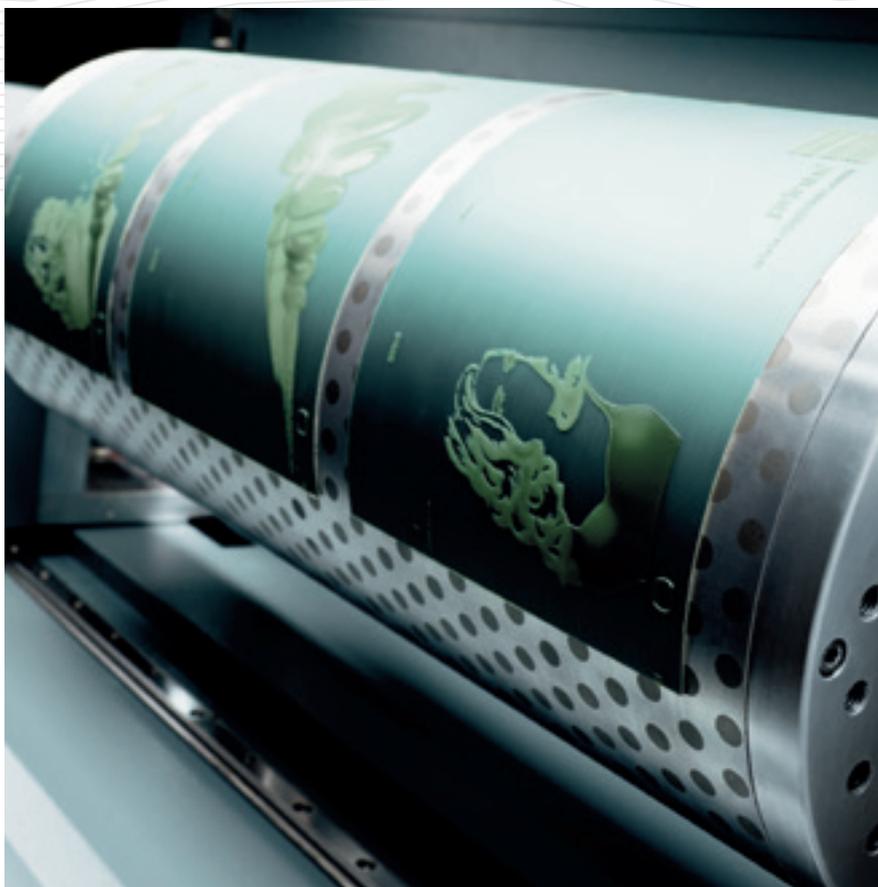
HELIOS



dry offset

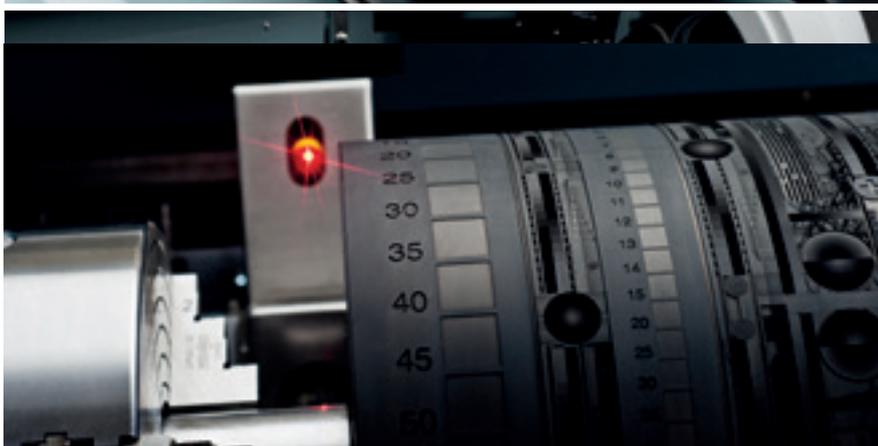


sleeves



features

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



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

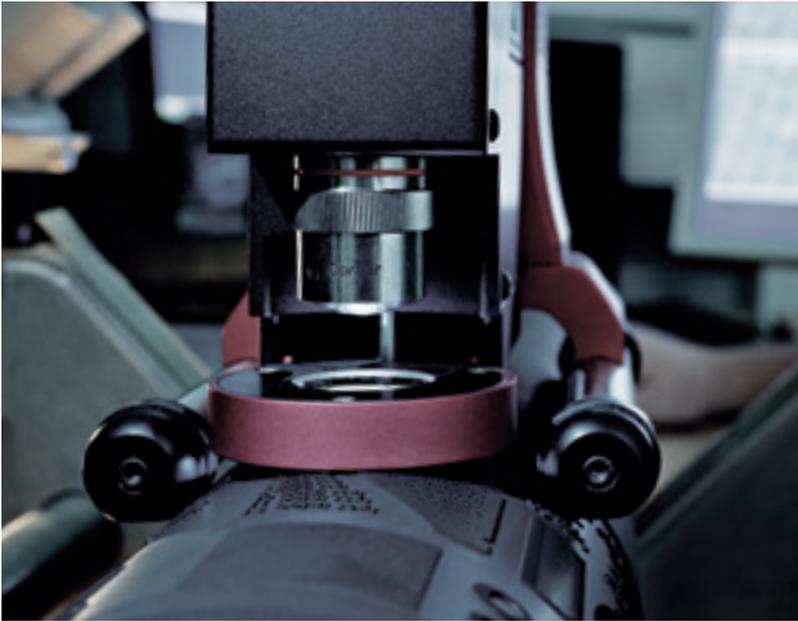
| | |
|-----------------------------|--------------------------------|
| Laser | CO ₂ single beam |
| Engraving width Kronos 7612 | < 2.000 mm / 79" |
| Engraving width Kronos 7613 | < 3.200 mm / 126" |
| Repeat size | 250 - 1270 mm / 9.48" - 50.00" |
| Resolution variable up to | 5080 dpi |
| Load weight up to | 500 kg / 1100 lbs |
| Appliaction | flexo sleeves & plates |



sleeves

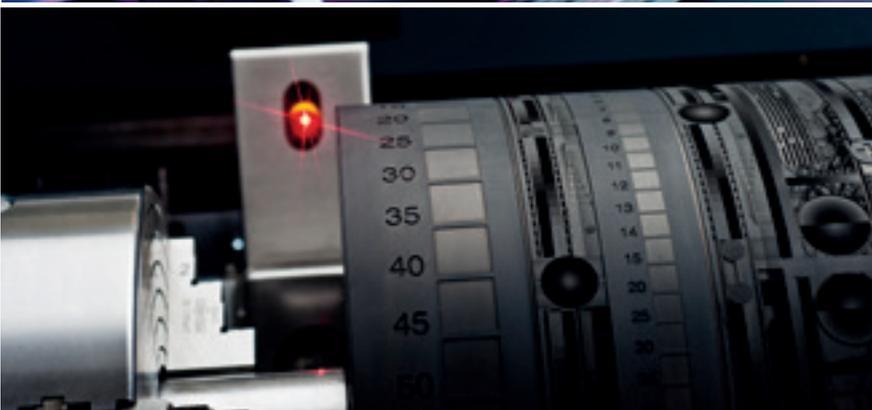
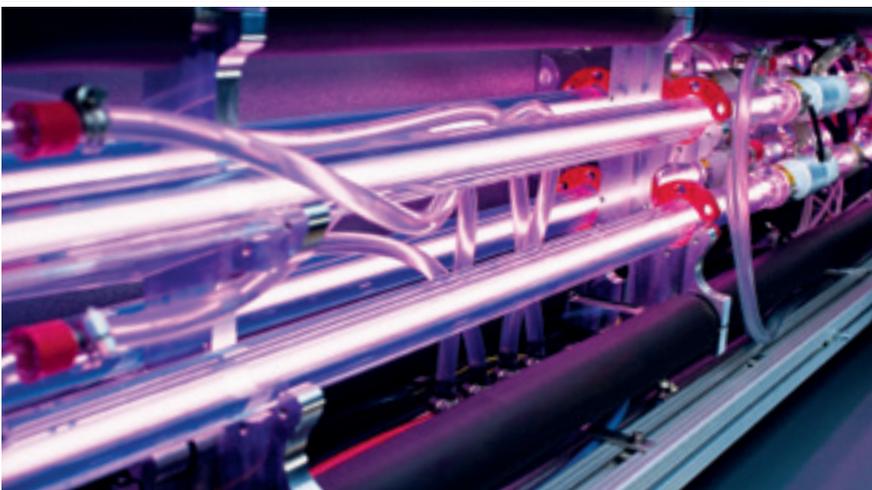


plates



features

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



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 reproducibility, 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 reproducibility

