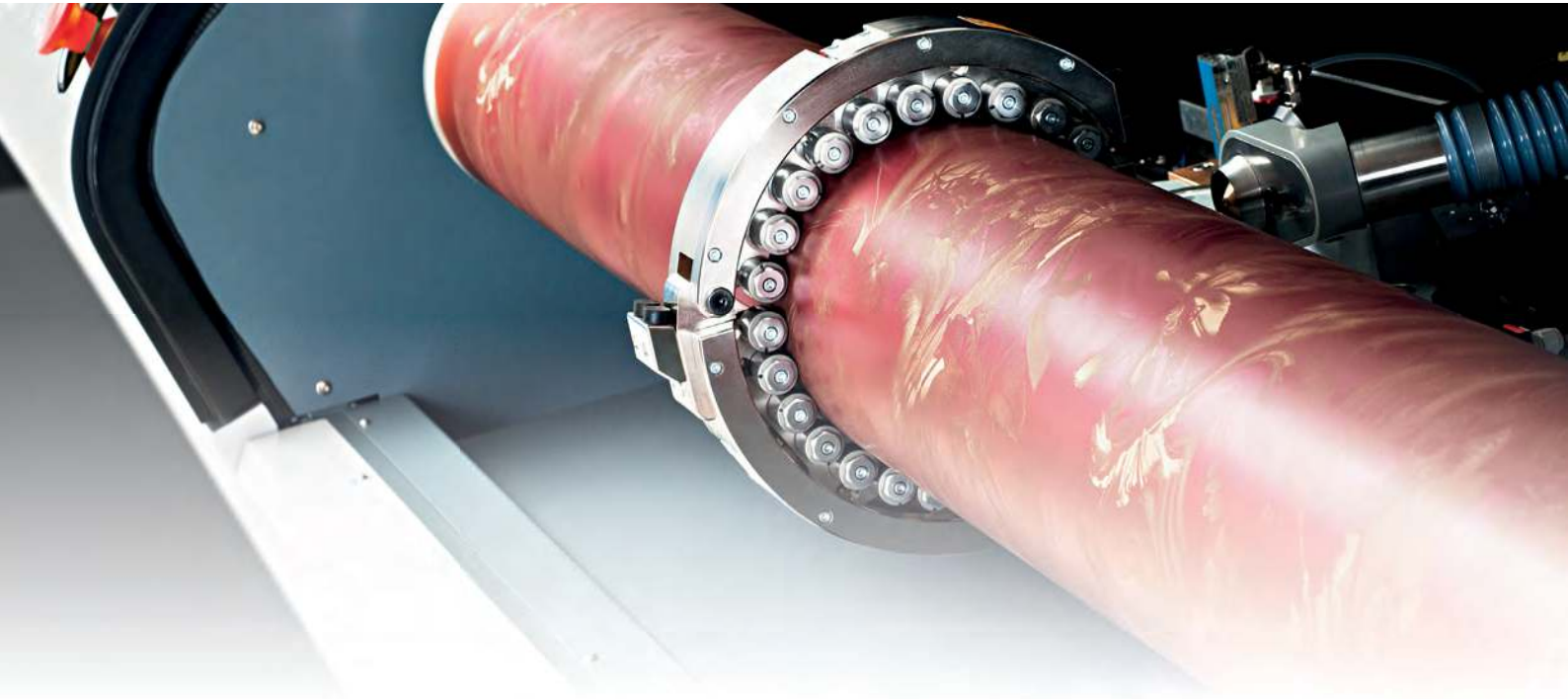


spgprints®



**Pre-print systems**  
for textile.

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# Laser engraving.

## State of the art laser engraving technology.

Perfect quality, shortest „time to print“, high reproducibility ... the innovative laser engraving technology from SPGPrints can be described using these attributes. Over the last 32 years, SPGPrints has developed and delivered over 480 Direct Laser Engraving machines in the global textile printing market. Ongoing improvements on the machines and the application make us the undisputed pioneer in the industry.

Direct Laser Engraving is a single step dry process – simply engrave your coated screen with your desired design and print. It eliminates costly consumables like film or ink, time-consuming and error prone process like exposing and washing. Due to the minimal number of process steps, the chance of human errors is drastically reduced, resulting in the low operational costs per screen.

The market has validated Direct Laser Engraving as the easiest way to produce high quality screens.





## bestLEN.

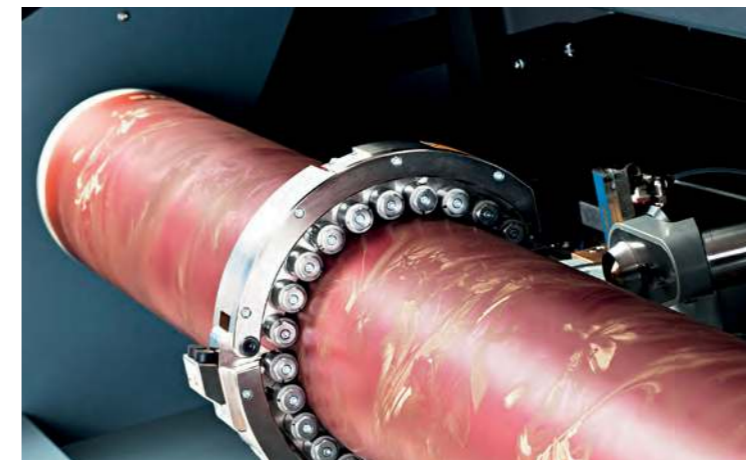
The bestLEN is the ultimate SPGPrints direct laser engraving system, and has already proven itself many times in some of the most demanding conditions the textile market has to offer. Together with state-of-the-art machine software it leads to increased productivity and higher levels of consistency. More importantly, it enables a fully calibrated engraving process. Equipped with automatic laser power calibration and a screen centring ring, perfect halftones and dimensional fitting accuracy is guaranteed with maximum reproducibility.

The bestLEN is the ideal platform for customers wanting to take their engraving department to new heights. Faster, more efficient and higher quality: there are many ways how our bestLEN can improve your business.



## Features.

- High quality  
single step dry process
- Ideal for  
engraving shops and  
medium/large printers
- High reproducibility due  
to reduced process steps and  
auto-calibration



### Technical specifications:

Laser	CO <sup>2</sup> single beam 250 W
Screen length	300 - 3500 mm
Screen repeat	518 - 1168 mm
Resolution variable up to	2540 dpi
Productivity	~ 25 min. (average - R640/1750)



# ecoLEN.

The ecoLEN was developed for engraving departments who need a smaller amount of engraved screens, but do not wish to make compromises in quality.

The ecoLEN incorporates the same technology as the bestLEN, but at significantly lower investment costs. With the ecoLEN, you enjoy advantages of laser engraving such as: single step dry process and lower operational costs. Of course, the ecoLEN is also equipped with our state-of-the-art software, with features such as: extensive rasterlist, job-files and Smart-GUI.

If your business is growing, the ecoLEN can be quickly upgraded to full bestLEN performance.



# Features.

- High quality  
single step dry process
- Ideal for  
small to medium printers
- A cost-effective  
investment in the future



**Technical specifications:**

Laser	CO <sup>2</sup> single beam 150 W
Screen length	300 - 3500 mm
Screen repeat	518 - 1168 mm
Resolution variable up to	2540 dpi
Productivity	~ 40 min. (average - R640/1750)



# Laser exposing.

## State of the art exposing technology.

Top quality, reliable and high productivity ... these attributes describe the core competences of SPGPrints' laser exposing technology. SPGPrints started the development of direct laser exposing technology more than a decade ago, and numerous systems are already in production.

Laser exposing is the negative imaging of a screen using SPGPrints' unique direct exposing technology. The entire workflow remains the same as with all other exposing technologies like film or ink-masking. Therefore, this system is especially suitable for customers who already have this wet process but who want to improve their quality or output.

SPGPrints' state-of-the-art multibeam diode technology made it possible to offer high quality, high performance systems for an attractive investment level.





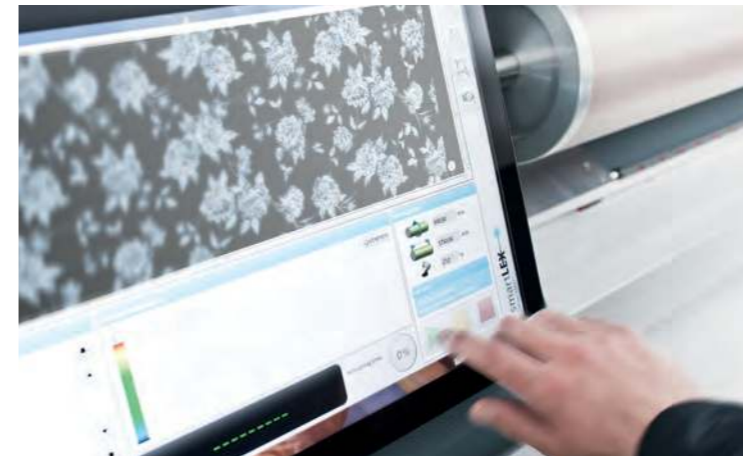
## smartLEX.

SPGPrints' smartLEX is the most advanced laser exposing system in the market. It contains SPGPrints unique state-of-the-art multibeam diode technology, combining perfect imaging quality with an unmatched lifetime. The multibeam technology ensures high productivity with no limitations on quality. The easy to use Smart-GUI software enables you to produce high quality screens without highly skilled operators. If you can use a smartphone, you can engrave perfect screens on our smartLEX. For experienced operators, expert software is available that will enable you to further customize your engraving settings.



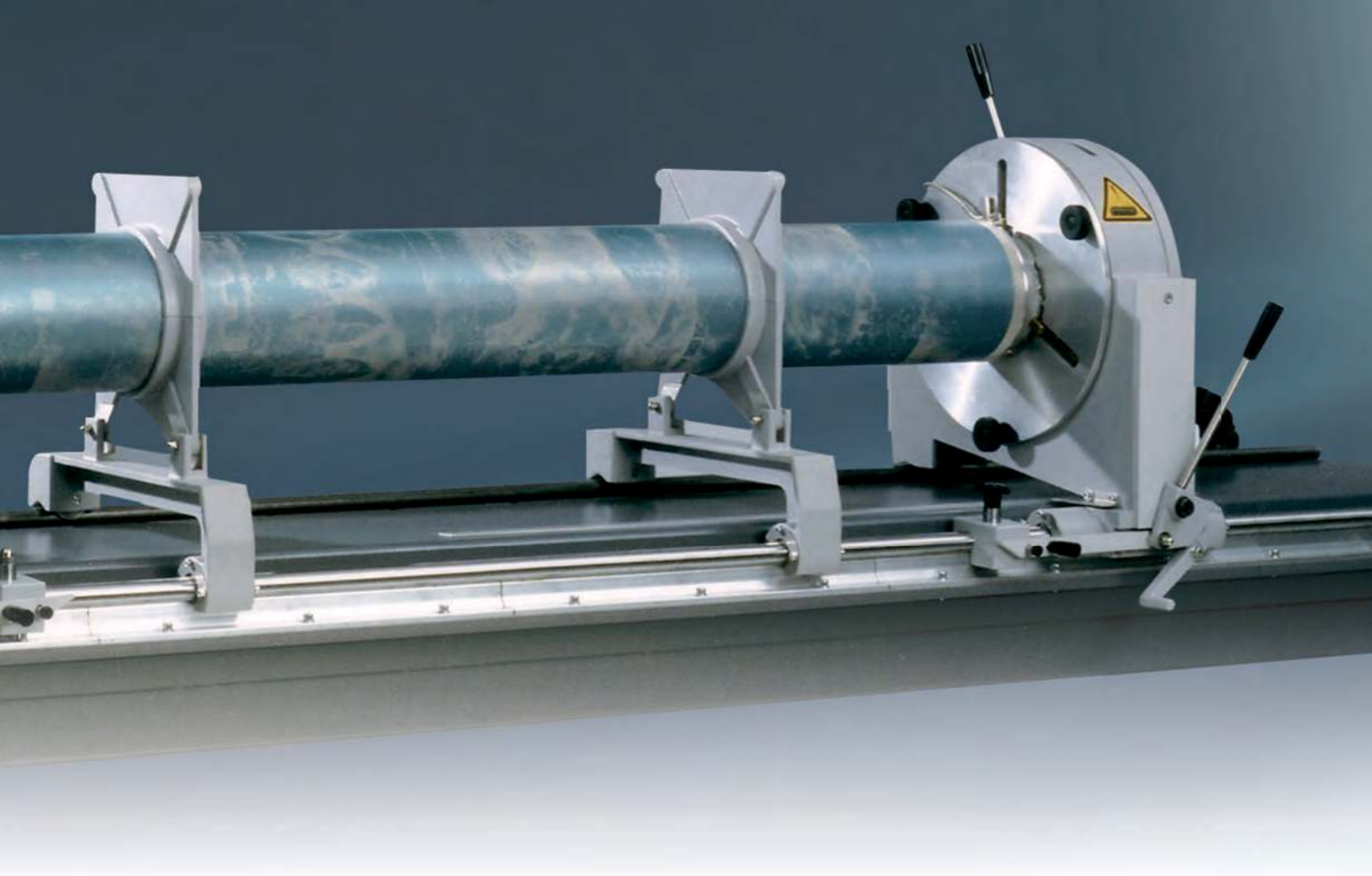
## Features.

- Plug & Play
- Easy integrable  
into existing workflow
- High productivity  
without quality limitations



### Technical specifications:

Laser	UV source multibeam
Screen length	300 - 3500 mm
Screen repeat	640 - 1168 mm
Resolution variable up to	2540 dpi
Productivity	~ 18 min. (average - R640/1750)



## Conventional equipment.



## Coater.

RSE 31xx

In order to achieve a high quality printing result, it is very important that even the screen coating is of top quality. It has to be applied evenly and with the correct lacquer thickness. Due to the special construction of SPGPrints Coater, with vibration-free rope drive, swimming squeegee holder and one bottom control an accurate, perfect and reproducible coating is guaranteed.

## Features

- Single- and double squeegee
- Variable speed control
- Vibrations free twin-drive



## Polymerizer.

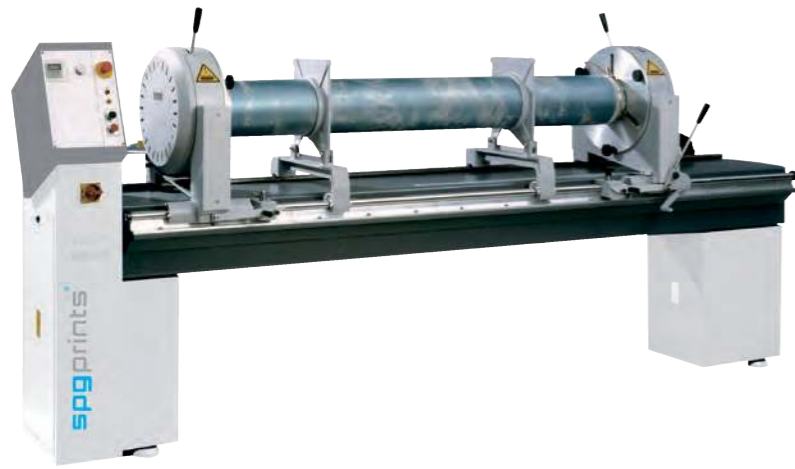
RSE 35xx

In order to avoid registration problems during engraving and printing, the screens have to be well-rounded before coating. Uniform polymerisation is the precondition for a long life time of the screens and long runs on the printing machine. The very accurate temperature distribution inside SPGPrints' Polymerizer ensures perfect rounding and uniform polymerization of the screens.

## Features

- Automatic, reproducible process
- Equal temperature from top to bottom
- Low energy consumption





## Universal gluer.

RSE 36xx

In order to obtain a perfect, accurate printing result, it is of highest importance that the endrings are glued entirely parallel and precisely into the screen. This can be achieved with SPGPrints' universal Gluer which is designed with a torsion-free frame, precise guidance and superior parallelism of the endring fixations. Due to the integrated heating units, a precise and fast gluing process is guaranteed.

## Features

- Very short gluing time
- All common endring types with one machine
- Automatic temperature and gluing-time control



### Light stand

Allows easy inspection of engraved screens. The AUX 34xx Light stand makes inspecting screens a good deal easier and also more efficient. It can also be used for retouching work.



### Unpacker

Protect your screens during unpacking. The AUX 31xx is an unpacking device specifically designed for safely unpacking of screens, without the risk of creasing. It is suitable for various screen repeat sizes and lengths.



## Climatizer.

RSE 32xx

SPGPrints' Climatizer is equipped with a heating and a cooling unit. In this way, the screens can be dried after the coating process and also stored for several days before the exposing process.

## Features

- Equal temperature from top to bottom
- Heating and cooling unit process controlled
- Suction connection



## Developer.

RSE 34xx

Especially on screens exposed with fine line designs or smooth halftones, an even and homogenous developing is essential for a faultless printing result. Due to the moving spray pipes equipped with quality nozzles and pressure control, a perfect and reproducible developing result is ensured.

## Features

- Stainless steel construction
- Pressure control
- Automatic, reproducible process



## Available modules.

### Engraving & Creative Design

- for engraver & printer
- color separation & repeating
- file preparation for engraving/exposing

### Creative Coloring & Simulation

- for printer & designer
- color variations & color management
- to simulate conventional printing

### Texture Mapping & Viewer

- for printer & designer
- to represent photorealistic designs and/or colors

### PDM

- recording of processing data

### Design Viewer (freeware)

- for all clients using bestIMAGE
- to promote designs and ideas to their clients

### CMYK

- for engraver & printer
- create and use CMYK profiles

### Patches (freeware)

- all patches are free to download from our service homepage
- <http://cs.storkprintsaustria.com>

## CAD Software **bestIMAGE.**

- Especially designed for the TEXTILE printing Industry
- High application Know-How due to inhouse engraving shop
- More than 30 years experience
- Modular concept
- Create your own & unique bestIMAGE configuration
- Simultaneous work with different designs
- Optimized CAD <- -> CAM connection
- SPGPrints "all-in-one" \*.LYR file contains all information of:
  - design and separations
  - layers, bitmaps & vector objects
  - engraving information
  - production database
  - colors & color management
  - simulation setup
- Direct \*.PDF import
- Pixel & vector oriented
- „On-the-fly“ rastering
- Job editor





## Maintenance and service to the highest standard.

SPGPrints is the leading manufacturer of high quality laser engraving systems for the textile and graphic markets.

We have service centers positioned all over the world. No matter wherever you are located, we are close at hand to commission new systems and then provide on-site service and support of your SPGPrints equipment.

Consistent maintenance and servicing by highly trained and experienced technicians is key to maximizing equipment productivity and service life while ensuring highest quality production, and operator safety. Our service contracts offer you the ability to schedule maintenance in a way that minimizes the impact on production and keeps you on schedule.

SPGPrints offers service contract solutions that are tailored to your specific needs.





## Maintenance contract.

- Maintenance including maintenance parts, consumables and technician costs
- Telephone support and Remote Support (ISL)
- Scheduled preventive maintenance and functional evaluation at recommended intervals
- Enhanced service life and reliability of your machines
- Preventing secondary failures by proper maintenance
- Transparent and predictable costs
- High performance and quality
- Transparency – the maintenance report provides detailed information about the work performed, the condition of the system, and recommendations for updates where appropriate



## Service contract.

- Repair including all replacement parts and technician costs
- Guaranteed response time
- Preventive maintenance including maintenance parts and technician costs
- Telephone support and Remote Support (ISL)
- Scheduled preventive maintenance and functional evaluation at recommended intervals
- Long term stability and reliability of your machines
- Preventing secondary failures by proper maintenance
- Extended service life
- Maximum performance and quality
- Transparency – the service- and maintenance report provides information about the work performed, the condition of the system, and recommendations for updates where appropriate

	Warranty	 Maintenance contract	 Service contract
Parts for maintenance	✗	✓	✓
Technicians for maintenance	✗	✓	✓
Consumables for maintenance	✗	✓	✗
Technician for repair	✓	✗	✓
Replacement parts	✓	✗	✓
Shipping costs	✓	✓	✓
Telephone support	✗	✓	✓
Remote support (ISL)	✗	✓	✓
Guaranteed response time	✗	✗	✓

## Global network assuring the highest levels of support

Our unique history is the foundation on which we have built our strength: providing reliable, cutting-edge solutions for all your printing needs. From pre-press to rotary screens and from inks to printing systems. Thanks to our growing global presence, we understand local market needs and created an international network of manufacturing facilities with a distribution foothold in more than 100 countries. This allows us to offer our customers great service anywhere in the world.

We use our knowledge and experience to help our customers find the most suitable printing solution and optimize both their conventional as well as their digital printing process. Due to our understanding of local market needs, we are able to give specialized advice and go on long-term journeys with our customers. Together we strive to deliver a portfolio of machines, inks and screens to help you grow your business and set industry standards. Are you ready to go on that journey with us?

For more (contact) information, please visit [www.spgprints.com](http://www.spgprints.com)

