



## ecoLEN: economical operation

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The **ecoLEN** was developed for engraving operations where cost of operation is an overriding factor. It incorporates the same technology as the **bestLEN**, yet is considerably less expensive. And you can still obtain better quality than with competitive processes such as ink mask exposing. With the **ecoLEN** you can enjoy all the benefits of laser engraving for a lower level of initial investment.

### Dedicated software for improved workflow

All advantages of the **bestIMAGE** CAD software package can also be used together with your **ecoLEN** engraving system.

### Overview of key specifications (**ecoLEN**):

Resolution	330 – 2032dpi
Operating speed	max. 7 m/sec
Frequency	30KHz
Focus	140 µm

Type	screen length	sealed laser generator	repeats
<b>ecoLEN</b> 5312	300 - 2100 mm	150 W	537 - 1168 mm
<b>ecoLEN</b> 5313	300 - 3500 mm	150 W	537 - 1168 mm

## Stork Prints

The Stork Prints Group is the leading supplier of printing consumable concepts for the textile and graphic markets as well as 2-dimensional, high accuracy, metal precision products. The group achieved a turnover of € 200 million in 2007. For more information please visit [www.storkprints.com](http://www.storkprints.com).

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*best***LEN** and *eco***LEN**

*Excellent laser engraving systems*

*Stork Prints*

# Better for your business



## There is a host of reasons why CO<sup>2</sup> laser engraving is preferable to other methods:

- No wet area
- Less process steps
- Work under normal light conditions
- Reduced chance of errors (rejects)
- Through prepared polymerized screens, fast repeat orders are accomplished
- Very high engraving quality
- Reduced space requirements (40% less compared to LEN)
- Reduced energy consumption
- No gas, water or wax required – thus, reduced operational costs
- Very user friendly – fixed focus, no gas mixing
- Sealed-off laser system – no gas consumption
- Easy to maintain – high longevity
- Water cooling unit and exhaust unit are included within the scope of supply
- Raster "on fly"

Stork laser engraving systems are the ideal platform for taking your engraving process to new heights. Faster, more efficient, better quality, more economical, less environmental impact: there are many ways in which our laser engraving systems can improve your business. Furthermore, these systems are completely digital, and therefore designed to provide cutting-edge engraving well into the future.

Laser engraving is a technology whose time has clearly arrived. They are a whole host of reasons why it is preferable to other engraving methods:

### High quality

An advanced laser control system and the precise focus of the beam leads to more sharply engraved edges and extremely fine reproduction of detail. It also enables the high quality required for half-tone engraving.

### Less process steps

With some conventional engraving processes, as many as ten separate steps

are necessary to engrave a screen. Ink mask exposing typically requires six. Stork laser engraving systems need only three: colour separation, engraving and ending gluing. This obviously simplifies and accelerates the production process.

### Faster

Screens can be pre-coated, polymerised and stored before engraving. This means that, when a new screen has to be engraved, the engraving process can start immediately and after engraving the screen is ready for printing. This is especially important when printing production is halted because a new screen is required.

### Easy-to-use

Stork laser engraving systems are simple to use. All operations are carried out using the connected PC, and an on-line help facility provides support for even the most advanced procedures. Process data can also be stored for future use.

### Excellent repeatability

Running repeat orders has never been easier. Being a digital system, you simply load the appropriate data file and your system is ready to engrave. The potential for errors is virtually zero, and consistency is guaranteed.

### Reduced chance of error

Laser engraving is a largely automated process in which manual handling is reduced to a minimum. Unlike conventional engraving processes, no films have to be attached to the screen prior to engraving. The possibility of



human error is consequently much lower.

**More economical**

Consumable use is negligible. Stork laser engraving machines incorporate a sealed laser unit, so extra gas is not needed. Naturally there is no consumption of ink or wax. And the engraving process

itself requires no water, so you don't have a 'wet area' in your production facility.

**Less environmental impact**

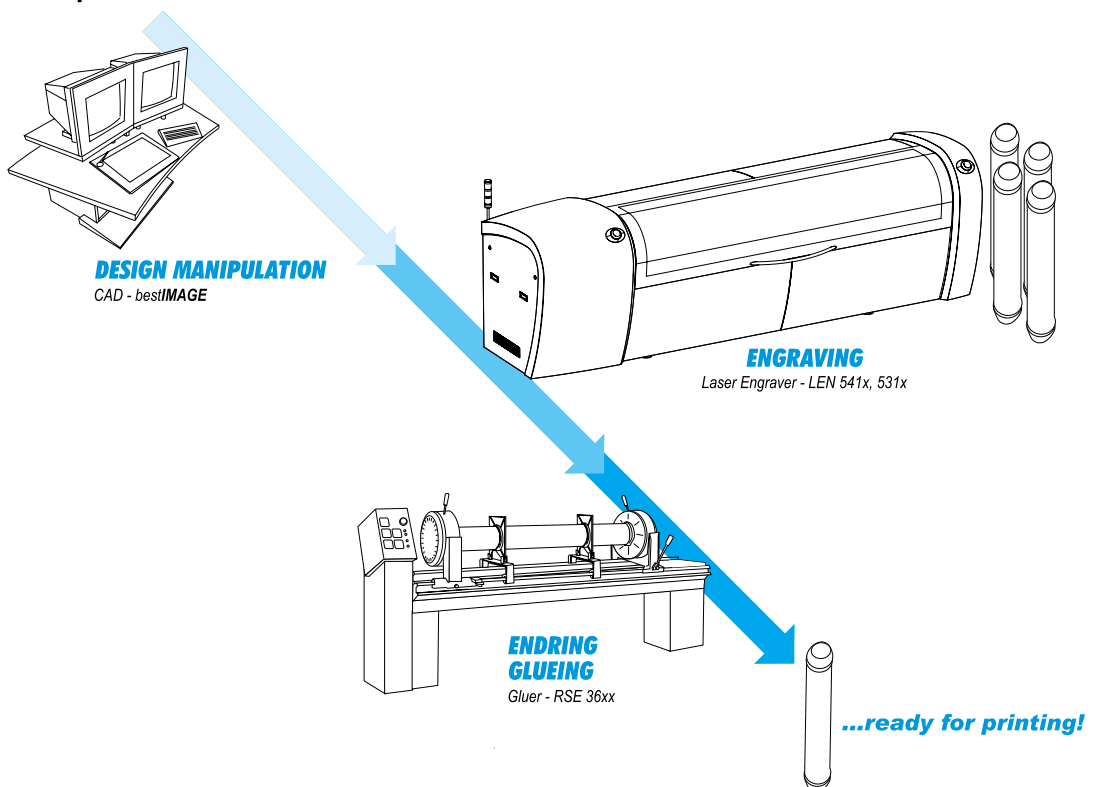
The process does not produce any toxic run-off. No rinsing water is required; unwanted lacquer on the screens is simply vaporised by the laser.

**Leaders in laser engraving**

We were the first company to introduce laser engraving, in a move that revolutionised the way screens were engraved. Today we can call on approximately two decades of experience in the development and manufacture of two leading systems: the *bestLEN* and *ecoLEN*.

**Workflow Laser Engraving**

**... in 3 steps**





## bestLEN: ultimate performance in laser engraving



The **bestLEN** is the original Stork laser engraving system, and has already proved itself many times over in some of the most demanding conditions the market has to offer.

### Dedicated software for improved workflow

**bestIMAGE** is a CAD software package designed specifically by Stork to enhance the engraving process by simplifying the creation and editing of designs while offering a whole

new range of possibilities in textile preprint workflow. Interfacing seamlessly with your Stork laser engraving system, **bestIMAGE** gives you unprecedented support and flexibility in textile design development, colour separation, engraving and collection printing. This leads to increased productivity and higher levels of consistency and more importantly it enables a fully calibrated engraving process.

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### Overview of key specifications (**bestLEN**):

Resolution	380 – 2032dpi		
Operating speed	max. 14 m/sec		
Frequency	300KHz		
Focus	90 µm		
Type	screen length	sealed laser generator	repeats
<b>bestLEN</b> 5412	300 - 2100 mm	250 W	537 - 1168 mm
<b>bestLEN</b> 5413	300 - 3500 mm	250 W	537 - 1168 mm