

# Laserpoint

## OptiSCOUT

One software for many applications

## In the land of smiles

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## Editorial

Dear readers,

"Simplicity" is one of the factors that has led to our success, it is a principle that we have adhered to from the very start. It is a principle that our customers appreciate as it ensures high availability and significant conservation of value.

From the very beginning we have always taken care to ensure downwards compatibility, in other words the majority of our current modules and their spare parts can be integrated into older systems.

An unbeatable argument when it comes to the availability of spare parts - if the worst comes to the worst!

Kind regards

## Unbeatable prices and performance

# eurolaser cutting systems for textile machining and processing

***"Everything should be made as simple as possible, but not one bit simpler."***

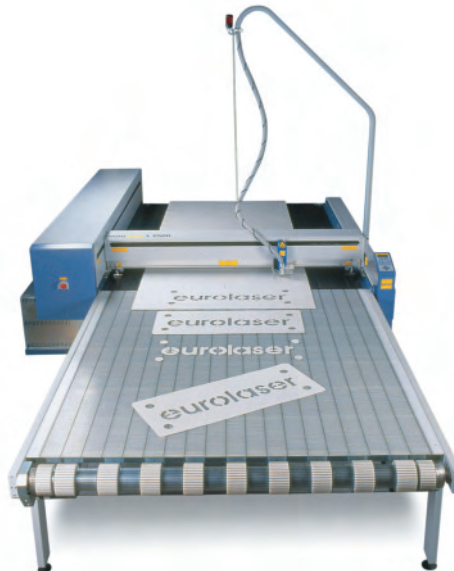
The famous German physicist Albert Einstein was convinced that a machine is only perfect if all its parts are necessary for its proper operation and none can be removed.

eurolaser sees this simplicity as one of the most important factors of success. We have set ourselves the target of developing laser cutting systems for industrial applications that are almost unbeatable in price and performance when compared directly to anything else on the market.

As the leading German manufacturer of laser cutting systems eurolaser has been a pioneer in the development of non-metallic processing systems for over 12 years.

Of course our customers, who operate successfully in their respective branches with eurolaser systems, also benefit from this experience. The proof: a third of all systems sold are supplied to existing customers.

The independence of the modular systems is another advantage. They can be driven by almost all standard software. This eliminates the need for costly licence fees and the time wasted getting to know new systems. Production can be started just as soon as the systems have been installed and the cutting parameters have been configured.



You can, of course, find more information on the Internet at:

**[www.eurolaser.com](http://www.eurolaser.com)**



Various possibilities for using technical textiles

# OptiSCOUT™ - a single software for a large number of applications

Drawing, camera recognition, nesting, raster engraving and system activation all in one

The launch of the extensive OptiSCOUT - software range means that many laser applications, such as raster engraving and vector engraving and cutting, CCD camera positioning, can all be carried out simultaneously in a single work step using just the one programme. This saves preparation time and expensive licensing fees for different activation and graphics programmes.

Extensive standard functions such as process gas and suction turbine switching as well as standard settings of the cutting parameters must be stored in the driver. This driver can be extended individually because the different cutting data are saved in a database and can be accessed according to the job in hand.

Connecting a camera for recognition of cutting markings is child's play thanks to the USB Video grapper card, because you no longer have to make any changes to the PC hardware.

The OptiSCOUT positioning system can recognise adjusting markings independently and can make linear compensation for any deviations. Before a job is carried out the camera, which is mounted on the tool head, locates the position of special



Schnittmarkenerkennung durch CCD-Kamera und dadurch exaktes Ausschneiden von bedruckten Vorlagen

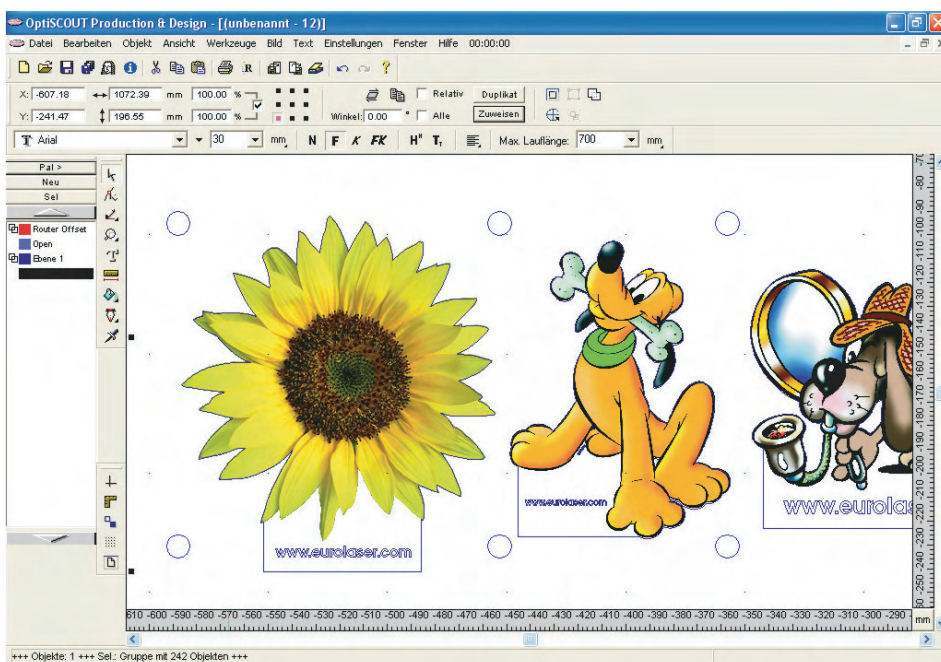
adjustment markings that have previously been printed at strategic positions on the part to be cut out.

OptiSCOUT's correction algorithm compares the actual position of the adjusting markings with the ideal position of the original job. Using this data any necessary compensation can be made to linear inaccuracies resulting from the printing process.

You can follow the scan or import process, the localisation of the adjusting markings and the process itself in a pre-view window. The user can see the status of the job production at any time on a real-time camera image.

Other advantages of the OptiSCOUT software include the setting of lead in paths, for example, to allow tangential or vertical movement towards the cutting contour. As is the case with other software solutions, automatic cutting width correction is a must for the laser driver as this is needed to compensate material evaporation. Simple determination of the cutting sequences and extensive import functions from all standard graphics programmes are also a standard for any good laser system software.

In addition to a nesting module other available options include a drawing module and extensions such as vectorisation, bitmap and serialisation tools.



In the land of smiles

## Signgrafs Technology Co. - longstanding eurolaser partner in Asia

Skyscrapers, traffic congestion and the daily appearance of new building sights - these signs of Asia's economic boom can be seen everywhere in the metropolises of China and Taiwan.

For years now an up-and-coming industry for electronic devices has been developing in between the cookshops and little markets; devices that the industrialised countries of the west can no longer do without in their day-to-day business lives.

Whether computers, telephones, televisions or other multimedia products - they all have one thing in common: an ever increasing demand for accuracy on the production machines. In many cases laser is the best tool for a lot of the processing

steps because components are getting smaller and smaller and end users are demanding higher and higher standards of quality.

Jimmy Liao, one of eurolaser's first agents and owner of the Signgrafs Technology Co., also notices this development. Many of his currently 40 eurolaser system customers operate successfully in the field of acrylic and foil processing and after a very short time invest in a second or third laser system.

The headquarters of Signgrafs is located in Taipei, the capital of Taiwan. The company also maintains four offices in China in order to cope with the high demand for machine servicing in this particular re-

gion. In addition to the sale and servicing of eurolaser systems, Signgrafs also manufactures laser processed components and end products in small and large series which it supplies to a great variety of branches.



Jimmy Liao and his wife Lisa

Professional laser engraving for industrial applications

## eurolaser XS series - the compact class of industrial engravers

They are the classic models for small engraving jobs, often no bigger than a photocopier and in operation all over the world. It is precisely because of their size and their many areas of application that these small laser engravers have developed to become allrounders in the advertising and labelling branches.

The large number of manufacturers for these machines just goes to show the enormous global demand for easy-to-use machines for engraving rubber stamps, ballpoint pens, door plates etc. They can carry out a wide number of different jobs in a very small series although not designed for mass production.

The eurolaser XS-series bridges the gap between the small engraver and the industrial engraver.

Here too, we remain true to our principle of simplicity, despite the high quality of the equipment. Components that require regular cleaning, such as lenses or mirrors, can be dismantled and re-mounted quickly. Although operation via the touch

pad is not new, its use for engraving systems is quite unique. Large fast food chains recognised the advantages of this easy-to-use system compared to normal keyboards and LED displays years ago.

The engraving systems are network compatible and are integrated into existing LANs just like normal clients. The big advantage here is that they can be actuated from any computer in this network. Of course a wireless connection via a WLAN is also possible. The rate of transmission

if the system is actuated via Ethernet is another advantage. The engraving data are transmitted to the system faster than is the case with a serial, parallel or USB connection.

Allow us to advise you if you are thinking about investing in a laser engraving system. We will find the right solution for your application.



Industrial engravers: XS-330 and XS-610

## Recruitment

### The "Logistics 50+" programme has proved a top hit

What is needed if the chances of employment and general employability of older persons is to be improved is a completely new way of thinking: "Older colleagues might not be as quick any more or may no longer jump as high as their younger peers, but they make up for this with experience, ability and knowledge. And that is exactly what we need if we want to be competitive" (Franz Müntefering).

The aim of the "Logistics 50+ - Mature Performance" programme initiated by the Federal Ministry for Labour and Social Affairs is to integrate people who are over 50 years of age and looking for work into the logistics labour market. After completing an advanced commercial training course at a recognised institute for further education, Harald Eis (55) went on to do a

short practical training at eurolaser.

For almost a year now the engineering technician has been a permanent member of the eurolaser team and supports the inventory management and production scheduling with his many years of experience.



Harald Eis

He has helped to identify and rectify bottlenecks in the workflow. The aim here is to optimise the entire workflow thus making work easier for all employees which in turn will result in a faster and better response to the requirements of our customers.

### We would be glad to answer any questions you might have

eurolaser has made continuous progress since its foundation in the year 1994. It is our employees that are at the heart of this development and who have contributed significantly to the success of our company.

Although in the first few years eurolaser structures were still quite straightforward, expansion very quickly made evident the need for ever more extensive organisational forms.

Today the pioneer for many laser cutting applications employs approx. 50 people who work with commitment in the Sales, Service, Production, Applications, Re-

search and Development and Resource Planning departments as well as in the Administration.

In addition eurolaser received the seal of approval from the Chamber of Commerce and Industry for the high quality of our work in the field of vocational training.

Our employees give top priority to satisfying the requirements of our customers in all areas competently and promptly. To ensure our continued offer of top quality for the future our teams continuously optimise our processes and extend the services and products available in our range.



## Dates

### 5. - 9. June, FESPA in Berlin:

We will be demonstrating the advantages of the M-1200 for cutting from printed foils. Come and visit us at booth G400 in Hall 3.1.



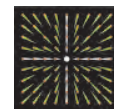
### 12. - 14. June, techtexsil in Frankfurt:

**techtexsil**

Come to the metropolis on the Main and see for yourself the cutting quality of our Conveyor system L-1200 with 100 W laser power for the cutting of technical textiles at booth E17 in Hall 3.0.

### 18. - 21. June, LASER in Munich:

We will once again be present at the leading fair for laser technology in Munich, as we were two years ago. We will be presenting both the M-1200 / 400 W laser cutting system as well as the XS-330 / 60 W engraving system at booth 502 in Hall B3.



### 11. - 14. September, Woodtech in Brno:

Our Czech partner HaWe Systems will be presenting the M-1200 / 200 W for wood applications at the Woodtech in Brno.



### 13. - 20. September, ITMA in Munich:

For the first time eurolaser will be present at the ITMA, the world's biggest textile machine fair, that is to take place in Munich this year. You will find us at booth 335 in Hall B2 where we will be presenting our L-1200 Conveyor / 100 W laser cutting system.



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eurolaser GmbH  
Gluesinger Str. 76 - 78  
D-21217 Seevetal

**Editorial Board**  
Axel Rieckmann (CEO, resp.)  
Thomas Lohmann  
Thomas Armbruster

Tel.: +49 (0) 4105 / 155-0  
Fax: +49 (0) 4105 / 155-555

Internet: [www.eurolaser.com](http://www.eurolaser.com)  
E-Mail: [sales@eurolaser.com](mailto:sales@eurolaser.com)