

Laserpoint

Laser cutting of textiles

Flexible, accurate, welded cutting edges

FUGAFIL

Opts for laser technology

New services

The right package for everyone

Dates & News

Management team strengthened



10th - 13th
May 2006

Visit us at IMB in Cologne in
Hall 8, Stand D-068.

Editorial

Creating added value

Dear readers,

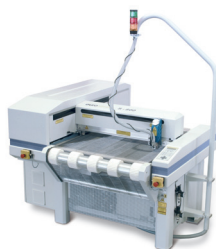
This has nothing to do with the much-discussed increase in Value Added Tax in Germany. We are talking about the current products and services relating to all aspects of additional benefits for the customer. The productivity and maintained value of our systems has been a key factor in our customers' success since the very beginning. You will be surprised to learn about the latest offerings in service and the most recent product developments.

We are moving to enable you to make progress.

We wish you every success

Different sized systems for textile cutting

Customised solutions - Laser cutting of textiles in all sizes!



S - 800

Even extremely wide textile materials can now be cut with the new development of the 2XL - 3000 laser cutting system, which has a processing area of 2,700 x 3,000 mm.

In response to many customer inquiries, eurolaser has developed the laser cutting system in XXL format. Due the variety of the eurolaser product range, roll sizes of up to 2,700 mm can be processed without adversely affecting the quality of the cut.



2XL - 3000

The proven conveyor system and automatic material feed have been modified and further developed to suit large material webs.

Come and see for yourself at IMB! We look forward to your visit.



Service improves security of production

With the expansion of technical service, eurolaser customers can now achieve more transparency with their production costs, as these are known in advance for routine services.

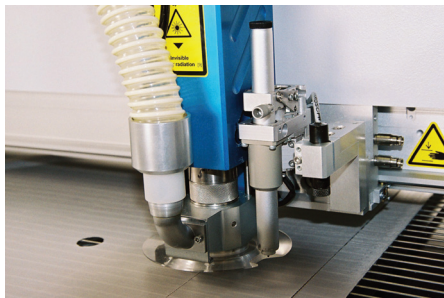
required for procuring spare parts. A further advantage is the high maintained value of the system.

Security of production is increased, as spare parts kits for routine maintenance are available in advance. This minimises the downtime

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Further development of eurolaser systems

Non-contact laser cutting of textile materials is becoming increasingly important, particularly in the automobile and filter industry. Sealed cutting edges and precise, filigreed cuts are some of the greatest advantages of using lasers to cut textiles.



Precise cuts and sealed cutting edges

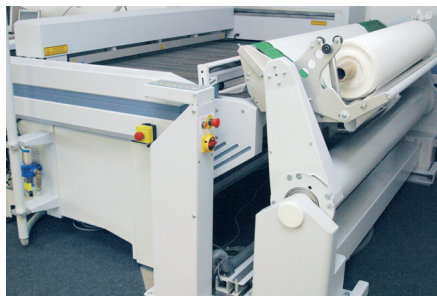
As well as the mechanical stress on the material, conventional methods, such as knives or stamps, are also associated with high tool wear and sometimes much preparatory and follow-up work.

An increased level of customer inquiries prompted eurolaser to further develop the proven conveyor system in order to make the processing of textiles more stress-free for the material and more user-friendly for the personnel.

As an example, this led to the development of the heavy-duty feeder with a lifting device so that even heavy textile roles can be fed into

the machine directly from the pallet without a great deal of effort.

Another eurolaser innovation is the stress-free material feed both for external and internal unwinding. This is designed so that, by synchronising the unwinder and the conveyor, the material falls gently onto the table without being pulled. This prevents material stretch.

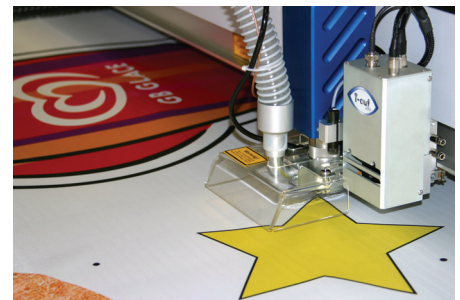


Heavy load feeder for lifting of roles

The adjustable pinch roller ensures that textiles are laid on the work table without creases. This synchronisation can be individually adjusted depending on the material take-off from the roll in order to perfect the interaction between the unwind and table feed during processing.

Automatic edge guiding also means that the material always takes up the same position on the table for processing, regardless of the winding quality of the textile rolls. A second pinch roll ensures that cut parts can be easily

removed by decoupling the material during cutting. External equipment, such as removal robots or storage systems, can be controlled via an I/O interface. This makes it possible for the system to be incorporated into fully automated manufacturing processes.



Exact control by camera system

Laser system - yes or no?

Whether a laser system is suitable for a company depends primarily on its applications. If the concentration is on flexibility combined with high accuracy and quality of cut, the use of a laser should be considered. Production times and quality can be compared at leisure by reference to sample cuts of the materials used. Our Sales Department will be pleased to provide further details: Tel: +49 (0) 4105 - 155-500

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E-Mail: sales@eurolaser.com

Laser cutting systems from eurolaser for processing high-tech fabrics

Use of eurolaser systems at **FUGAFIL®** saran

The development and manufacture of technical fabrics has been the speciality of FUGAFIL-saran GmbH in Raesfeld for 50 years.

From the original weaving mill, in which the first mail bags were made from synthetic yarn, continuous growth has seen the development of a fully fledged company with its own extrusion facility for monofilaments, highly modern technical equipment, a production facility for the processing of fabrics, and its own laboratory for product development and quality assurance.

The company has made a name for itself throughout the world with its high quality level

and flexible, customised solutions.

In the extrusion facility, as well as single-filament round and flat threads, FUGAFIL manufactures the shrouded yarn KUGAFIL and also produces technical fabrics from single and multi-filament threads as well as from spun yarns for widely differing applications.

The high-tech product range includes filter and sieve fabrics, support and carrier fabrics, insect protection fabrics and greenhouse covers, bath fabrics, spacing fabrics and double fabrics.

All fabrics are supplied not only on the roll,

but also according to customer specification in the form of pre-cut or stamped parts, and sewn or welded. Widely differing fabrics are shaped using the latest sowing, stamping, cutting and welding techniques.

In this way, filter cloths are produced for filter presses, covers for drum filters, filter segments for horizontal and vertical disc filters, special filter strips, sieve bags and hoses, conveyor belts, silo inserts for bulk goods of all kinds, insoles for shoes of all kinds - there are virtually no limits to the sizes and designs. The repertoire extends from the smallest lint filters via acoustic covers for loudspeaker systems to the welding of several layers of

different saran® fabrics, to name just a few examples. The wide range makes it clear that FUGAFIL seeks innovative as well as individual solutions together with the customer.

The new laser technology enables precise cutting contours to be produced as well as a clean preparation of cut patterns, including

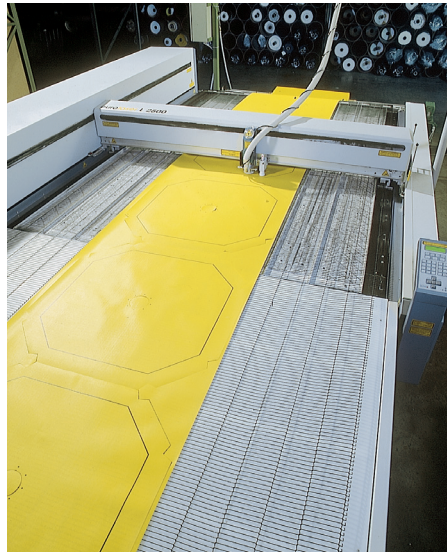


Rolf Mackowiak
Sales Manager of
FUGAFIL-saran GmbH

"In order to take into account the market's ever more varied requirements for flexibility, quality and precision, we have been using laser technology for the last 6 years. The introduction of the eurolaser L-2500 opens up an even wider range of potential opportunities."

those that can no longer be produced manually. The computer-controlled pre-cut parts are of constant, reproducible cut quality with clean edge sealing to prevent fabric fraying.

The cutting patterns and technical drawings provided by the customer are read into the system, and the eurolaser system accurately cuts along the contours based on this specific



24/7 operation of eurolaser L-2500 at FUGAFIL

cation. Various steps, such as the previously essential production of paper patterns on a 1:1 scale, can now be dispensed with.

As can the laborious transferring of dimensions onto the fabric.

Compared with the time required for manually manufactured cloths, production quantities can be tripled with the L-2500.

Rolf Mackowiak is convinced by laser material processing: "The high performance spectrum of the eurolaser system and the machine manufacturer's fast service availability in the meantime make the laser cutter, which runs continuously in 3-shift operation, an important and indispensable new string to the company's bow."

FUGAFIL -saran GmbH
Ostring 22
D-46348 Raesfeld
www.fugafil.de

Comparison with conventional methods of handling

Advantages of textile lasercutting

	Sealed edges (synthetics / natural)	Fine details	Accuracy	Flexibility	Storage of tools	Drawing	Tool costs	Multilayer
Laser	yes / no	yes	high	high	no	yes	low	limited
Knife	no / no	yes	good	high	yes	no	high	yes
Punch	no / no	no	good	low	expensive	no	very high	yes

New services

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Highly qualified service engineers are just a phone call away, right around the clock. Spare parts can be despatched even at weekends. The following choice of services is available:

Premium service agreement

The premium service agreement includes the maintenance of the system taking into account the system usage, i.e. a comprehensive service is carried out by the service engineers every 2000 operating hours.

This service "cheque-book" provides the greatest possible security of production. It can be individually expanded by the addition of other service products. In addition, eurolaser customers receive a price reduction on all services

when they take out a service agreement. Consumables are also discounted by 20% in order to reduce operating costs.

24-hour / 7 days support / hotline

In the event of a fault, eurolaser customers are able to obtain help and a fast solution to their problems "right around the clock". They also have access to an extended spare parts supply service.

Extended spare parts supply

The dispatch of spare parts is guaranteed even outside business hours.

Warranty extension

The 24-months warranty can be extended to a total of 60 months from installation, thus considerably reducing the risk of incalculable

costs. The scope of this warranty extension also includes system options supplied by eurolaser.

LCS premium insurance

In collaboration with our partner, Allianz Versicherungs- AG, eurolaser is offering a special machine insurance, which includes most risks. Amongst other things, risks such as operator error, negligence, induction, overvoltage and the machine catching fire are covered.

André Plettner would be pleased to give you more details on the service hotline:

Tel: +49 (0) 4105 - 155-400

E-Mail: service@eurolaser.com

Internal

eurolaser founder Matthias Kluczinski now Business Development Manager



Matthias Kluczinski

Matthias Kluczinski (40), co-founder and partner of eurolaser GmbH, which has been established since 1994, is quitting the day-to-day operational business.

In future, Matthias Kluczinski will be focusing his work in the area of Business Development for the long-term safeguarding and expansion of eurolaser's successful position at the national and international level.

He will be concentrating mainly on identifying and developing new markets and products based on established eurolaser technology. In

addition, he will be responsible for opening up new areas of business and attracting strategic partners.

"The future always holds surprises for us, but it will not take us by surprise", says Matthias Kluczinski. "It is important to recognise the opportunities for our company, to promote innovations, and to continue to enter pioneering markets with future potential and to confirm our market leadership there. At the same time, we place great importance on the needs and requirements of our customers in order to continue to guarantee a successful collaborative partnership."

Management team strengthened



Thomas Lohmann

Thomas Lohmann (33) has been Business Manager at eurolaser since 1st December.

He has thus taken over a central commercial responsibility within the company. In doing so, he will be concentrating on the areas of financial control, human resources, internal administration and IT.

His objective in the coming months is to orientate the eurolaser company to be forward-looking, in order to secure sustained company growth in the medium and long-term by expanding internal structures and efficient use of existing capacity.

Thomas Lohmann has many years of experience as a Marketing & Sales Manager and as an authorised signatory and director of the company ipos, Lüneburg. Most recently, he was the Manager responsible for Marketing & Technical Marketing at the company Bauerfeind AG, Zeulenroda (Thüringen).

Frank Matschke (39) has been Engineering Manager at eurolaser since November.



Frank Matschke

He has taken over management responsibility in the areas of Research & Development, Application, Production and Service.

Based on his many years of varied experience in the area of laser technology, he is concentrating his efforts on the continuous development of laser systems with regard to the worldwide market development.

Frank Matschke sees the main areas for attention in 2006 as the optimisation of coordination between the individual technical departments, and permanent research and development related to product innovations.

Frank Matschke started with eurolaser 9 years ago as an Applications Engineer, then became Service Manager and, finally, was appointed Manager of the Applications Department where he has worked for several years.

Dates



Service training at eurolaser (D)
6th - 17th March / 4th - 15th Sept.

Good service is a key factor in our "Concept of Partnership". It is compulsory for all dealers and partners to attend at two-yearly intervals.

Industry in Paris (F)
27th - 31st March



Visit us at the international Industrial Exhibition in **Hall 6, Stand B-120** and see for yourself the quality of our sophisticated laser systems. eurolaser will be demonstrating the advantages of the M-1200/200W laser system and the XS-610 engraving system.

Reklama POLYGRAF
OFFICE AND ARTISTIC DESIGN SECTION
DIGITAL VISION

Reklama in Prague (CZ)
29th - 31st March

Our Czech dealer, HaWe Systems, will be presenting the M-1200/200W laser system and demonstrating different applications for acrylic materials. Visit us and our East European partner on **Stand 103LK**.

Syskevasia in Athens (GR)
7th - 11th April



Represented by our Greek dealer and partner of many years, the company ZapaDel Ltd., eurolaser will be presenting a laser system for processing acrylic in **Hall 5, Stand Z-12**.



Euro Reklama in Poznan (PL)
24th - 27th April

Printi Poland, our dealer in Poland, will be presenting the processing of acrylic on a M - 1200 laser system. Visit us in Poznan and experience the world of plastics processing in the advertising industry in **Hall 3, Stand 80**.

IMB in Cologne (D)
10th - 13th May



eurolaser will be presenting the L-1200 conveyor for processing technical textiles. IMB is one of the most important platforms for anyone looking for information on technologies and know-how for the processing of textiles and flexible materials. Pay us a visit in **Hall 8, Stand D-068**.

■ Imprint

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