



# LASERPOINT

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The Laser Magazine by eurolaser

14th edition / September 2012

## Partner for your success

**Serial No. 1 still in use!**



### **Extended function for all conveyor systems**

**Adapt the feed to your working pace**

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### **Innovation as a factor for success**

**eurolaser doubles capacity in research and development**

.....

### **High-quality electronic components**

**Innovations - Manufactured using eurolaser system technology**

## Looking ahead

Dear readers, affiliates  
and friends of laser technology,

In times of international crisis, laser technology has clearly proved itself unshakable. New markets and specific requirements for laser manufacturing provide a safe path to the future through these uncertain times. You can read a short and concise report in our magazine about the pioneers who invested in eurolaser technology 18 years ago and are now looking back on an unbelievable success story. We also report on future prospects, presenting our significantly increased, motivated and dynamic development team. New systems technology, new laser technology, optimised handling and enhanced safety – all under the guise of 'simplicity'. A challenge we're only too happy to accept. Note: We may be seeing more of each other, as eurolaser is making itself available to you, the readers and laser users with long-term help and advice. We also want to consider your interesting contributions in our magazine or technical development department in the future. Simply speak to our editorial team or your eurolaser representative. We wish you inspiration for the current business year and renewed vigour in reading 'Laserpoint'!



We wish you all success,  
H. Hasse & M. Kluczinski



Mr. Zachar and his team of ROZA

## eurolasers first key account!

SERIAL NO. 1 STILL IN USE!

**W**ow! Our very first customer, who bought a laser cutting system from eurolaser in 1994, is only now asking for it to be serviced. But no more than that - the machine is still producing top quality.

**But who is the first eurolaser customer and what do they produce?**

The company is called 'Roza', is based in Slovakia and has been producing artistic products in natural wood for over 20 years

now. Stylish and attractive signs, keyrings and even wood miniatures and toys are made with technical skill.





Especially at Christmas and Easter, ornate gifts are in high demand. In the company's history, a total of around 3 to 4 million products have been manufactured. The unique wooden products are distributed all over the world, starting in Europe, Asia, to Australia, Japan and South Africa.

Together with 5 employees, the

engineer and managing director Roman Zachar has been manufacturing with the eurolaser system since 1994, and with the same quality as on the first day!

True to the motto 'partner for your success', the P-1200 laser system from eurolaser forms the mainstay for the company and makes their huge success possible.

### Trust and tradition

The sophisticated quality of eurolaser has paid off at Roza. After all, even after being used for such a long time, there's no end in sight for production. After the maintenance was carried out, Mr Zachar could continue production straight away.

eurolaser GmbH wishes Roza and Mr Zachar all the best and would like to thank them for being such great associates! ■

**Roman Zachar, engineer  
- ROZA**  
Boženy Nemcovej 10  
97701 Brezno (SK)  
[www.roza.sk](http://www.roza.sk)

# Teddy bear made of polyester fabric

CUTTING OF PLUSH FABRIC WITH NO FRAYING



Teddy bear of plush fabric



There is no child that does not wish for a cuddly, trusty friend to keep it company. For decades you could say that the teddy bear has been the favourite play pal of children everywhere and it is also a very popular collector's item. In the meantime there are high-quality plush bears in any number of different shapes, colours and materials.

But how can the often complicated shapes be prevented from fraying on the cut edges during cutting and the fine hairs from forming lint. The laser beam with its focussed light is the

ideal processing method in this case. Contactless processing and the fused cutting edges resulting from the concentrated thermal process ensure accurate shapes without any fraying. In addition only the substrate material must be cut from the polyester fabric, so that no fibres are damaged and this in turn leads to time and energy saving.

In our example the fur of the teddy bear is made of polyester fabric, a material just made for processing with the CO<sub>2</sub> laser:

## These are the benefits of CO<sub>2</sub> laser processing:

- Fusing of the cutting edge, so no fraying
- Precise and filigree cuts
- Contactless and therefore distortion-free
- No burning of the material

What is more the fabric can be processed fully automatically on the conveyor system. The material is fed directly from the bale into the laser system via the conveyor belt. Panels with dimensions of up to 3,210 x 3,200

mm can be processed under the laser focus. After processing the cut shape can simply be removed at a safe unloading area while the laser processing continues without interruption. ■



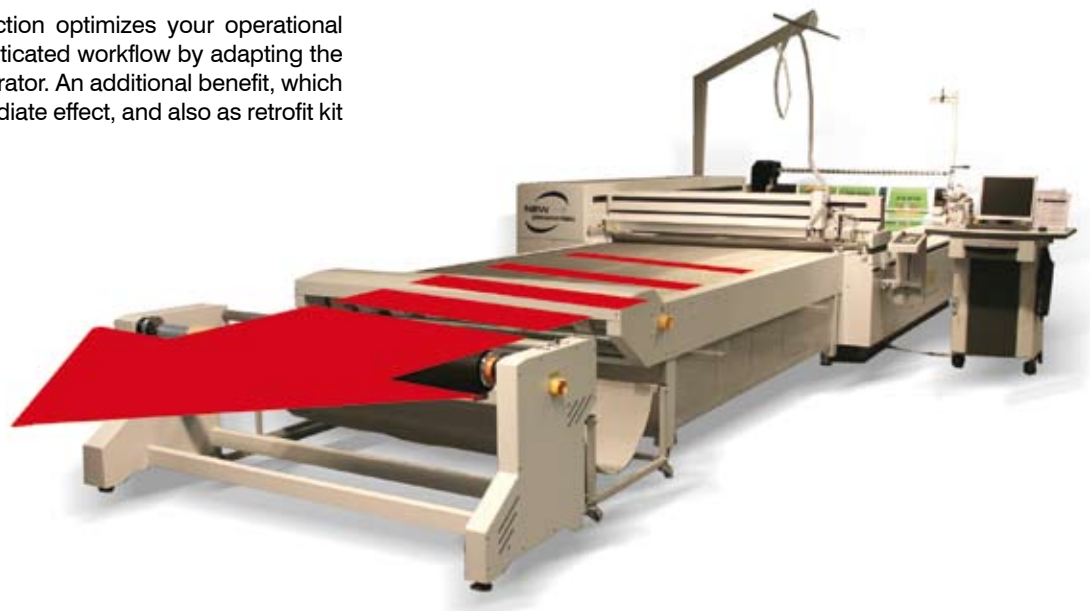


# Extended function for all conveyor systems

## ADAPT THE FEED TO YOUR WORKING PACE

A newly developed release function optimizes your operational processes to achieve a sophisticated workflow by adapting the feed to the work rhythm of the operator. An additional benefit, which is available as standard with immediate effect, and also as retrofit kit for existing conveyor systems.

All conveyor systems enable the fully automatic processing of textiles. First of all, the material is transported onto the work surface directly from the roll and positioned accurately. The material transport is then triggered by completion of the cutting process. The processed material is then fed onto the table extension for removal. A new cutting process then starts at the same time. This is the current workflow.



But how can it be ensured that both processes, i.e. material removal and cutting, can be stopped simultaneously? To make this possible, the option „remote paging enable (RPE)“ for the material feed was designed.

**This function is most useful for all processes where removal of the cut material takes longer than the cutting procedure.**

The feed is then suspended until the operator has fully removed the material. If the operator is responsible for several laser systems at the same time, this

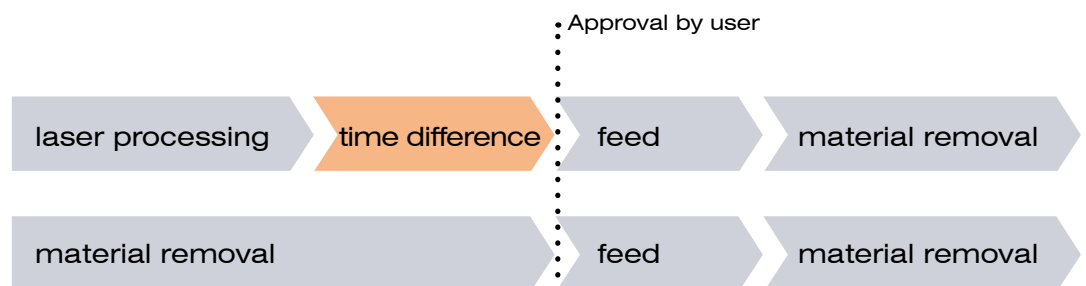
technology also proves very beneficial. This is because the work rhythm of each individual system is not always necessarily considered in the overall workflow. However, with the new option operators can adapt the cutting processes of the laser systems precisely to their rhythm.

This new technology is integ-

rated into all conveyor systems with immediate effect. It is also available for all customers as retrofit kit. Just get in touch! Naturally, the option „remote paging enable“ is also included for all conveyor systems of the „new generation“ as standard. Further benefits of our „new generation“ can be found here. ■

### This provides you with the following benefits:

- Optimized work processes
- Simultaneous operation of several laser systems possible
- Increased user-friendliness



There is a time difference when the operator takes longer for collecting the material than the laser system takes for cutting.

# Awal Plastics



## SPECIALISTS IN THE SIGNAGE INDUSTRY

**A**wal Plastics has been a market leader in signage and traffic solutions for over 40 years. Founded in 1969, Awal Plastics today employs over 300 people. With its headquarters in Manama, Kingdom of Bahrain, Awal Plastics serves leading brands around the Gulf. For more than four decades, Awal Plastics has been admired for its performance and imaginative spirit.

From storefront signage to outdoor signage, including traffic signage solutions, ATM kiosks to promotional signage and point of purchase material to road signage, Awal Plastics is dedicated to turning imaginative ideas into visual solutions.

It's a call to action that engages the unceasing curiosity, passion and drive to do the best in everything what Awal Plastics does. When it comes to quality, Awal Plastics thinks beyond the answer. In the end, the success is measured not only by the ability to think big dazzling thoughts

but by the commitment that brings ideas to life. It's the way - thinking and doing - that has been at the heart of the company's success. This reflects the energy and spirit of a company that has a solid foundation. Always with unyielding integrity, Awal Plastics is committed to achieving leadership in each of its business segments. To achieve that leadership, Awal Plastics' ongoing business strategy centers on three key growth initiatives:

- Product Quality
- Customer Focus
- Technical Leadership

The quality products that dramatically improve customers' competitive positions of Awal Plastics. The new vision includes investing in business and technology to improve performance quality. Customer focus is ensuring that everything the company does provide value to their customers. It means creating a partnership which combined with expertise maximizes

customer profitability and ensures quality. This means finding and attracting the unlimited pool of intellectual capital - the very best people - from all around the world who understand customers and can provide solutions to their needs. Awal Plastics is committed to leadership in the "next generation" of technology. They are well positioned to drive growth into the future

with excellence in each sector by acquiring leading technical capability to improve quality and support increasing new product growth. ■

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Mr. Abdulla A.R. Bucheeri,  
Technical Director at  
Awal Plastics:

**„The trust and partnership we have built with eurolaser are a key to our success through investing in high end and next generation technologies. This is enhanced through their (Eurolaser) fast and timely response to our calls and urgent needs.“**

**“Eurolaser is a partner in our success story since 16 years.“**



Mr. Abdulla A.R. Bucheeri  
Technical Director





# Innovation as a factor for success

EUROLASER DOUBLES CAPACITY IN RESEARCH AND DEVELOPMENT



Developments will be tested down to the detail

**B**uoyed up by the successful launch of the new-generation laser system at the beginning of the year, eurolaser is now expanding its research and development activities. The aim is to promote innovation and practice-oriented and, with it, future-proof solutions. Another step towards strengthening its market position.

Orders have been coming in for the new generation laser system at eurolaser since January 2012. The successful market launch with many relevant improvements led the eurolaser management to lay the groundwork for further innovation. The in-house research and development workforce is being reinforced accordingly.

Staff numbers in this division were doubled in the past six months. This not only takes into account the steady expansion plan, but also makes a targeted investment in the improvement and development of innovative products. Diverse markets and applications require a high level of flexibility in the laser systems. In order to meet these requirements in the future too, this area is now being expanded. This means that improvements and customer feedback can be incorporated promptly.

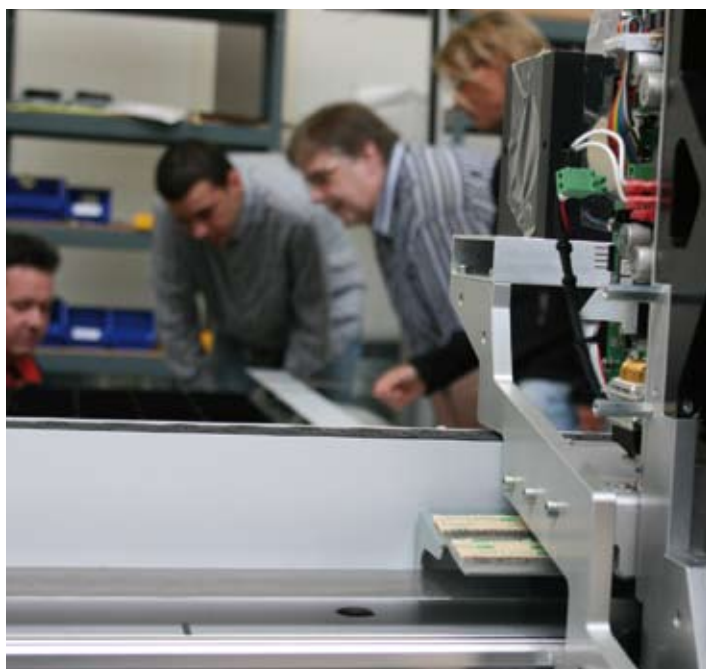
Research and development has always been a high priority within the company. 'The development and optimisation of laser technology, as well as the conception and implementation of new

automation technology, play an ever more important role in the competition for global technology leadership,' said Reinhard Heibutzki (product manager at eurolaser).

Customer benefits are always critical in developing new technologies. Practical relevance is therefore always at the forefront of each project. 'A good example from the past is the shuttle table system. This automation technology creates an increase in productivity of up to 75% and is especially well suited for cutting films. Approximately 90% of all systems sold in this market segment are now supplied with this optional equipment. Clear evidence of a mature development. eurolaser has now submitted numerous patents,' said Reinhard Heibutzki.

It's not only the major innovations making eurolaser successful, but rather the confluence of ongoing improvements. The progressive development of successful technologies and working closely with customers is therefore paramount. ■

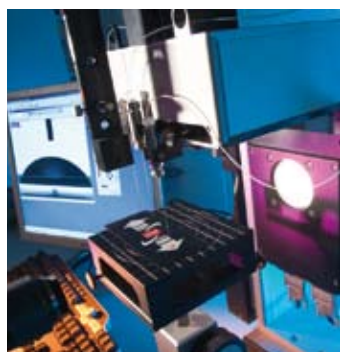




The innovational strength was increased by reinforcing the R&D team

# High-quality electronic components

INNOVATIONS - MANUFACTURED USING EUROLASER SYSTEM TECHNOLOGY



**S**CHURTER AG is an internationally leading innovator and producer of passive and active electronic components for guaranteeing the reliable supply of power and easy operation of equipment. The company with its headquarters in Lucerne (Switzerland) was founded by Heinrich Schurter in 1933. Still a family concern to the present day, the company is currently managed by the third generation. More than 1600 staff are employed by the company worldwide and provide complete solutions of ready-to-fit systems from concept to delivery. SCHURTER AG is a successful and innovative company and implements continuous improvements of all products in order to achieve the highest technical performance time and time again. The product portfolio includes fuses, connectors, circuit breakers, input systems, housing systems, front plates and labels as well as EMS and EMC products. Equally important is the promotion of staff and the provision of an optimum working environment with a good working climate. In this way, SCHURTER guarantees consistent quality and absolute reliability of its products at all times. Modern machinery and up-to-

date technical expertise are necessary to satisfy the quality concept engendered in the company philosophy. The comprehensive technical equipment also includes seven laser systems from eurolaser divided between the Swiss and German locations. The company predominantly cuts films for the whole range of input systems, particularly in those areas where optimum fitting accuracy is vital for further processing.

Renowned companies throughout the world from the fields of industrial automation, medical engineering, building safety, telecommunications, the

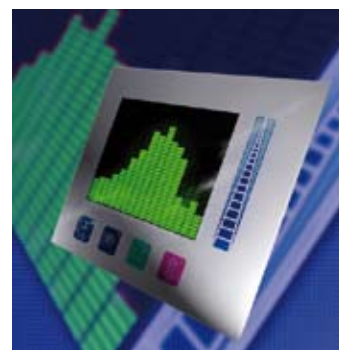
computer industry, mechanical engineering and measuring instruments rely on SCHURTER components and system solutions. The long-standing success of the company speaks for the quality of the products and services. SCHURTER implements a comprehensive quality management system in order to minimise error quotas and guarantee high process reliability. Numerous certifications, including ISO 9001, ISO 14001 and OHSAS 18001, are evidence of the company's consistent quality strategy. ■

Erich Matter, Marketing & Sales / SCHURTER Input Systems AG

**„By using our eurolasers with camera recognition, we can provide specific solutions to meet our customers' requirements, needs and wishes, and produce them with high quality both in the development phase and in serial production.“**

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# eurolaser puts all its eggs in one basket



## ALL DRESSED UP WITH A GOOD HAND AT THE SUMMER FESTIVAL 2012

**L**ate August sees the annual eurolaser summer festival. A welcome change to daily business and a good opportunity to get to know new employees, especially the new trainees.

Beforehand, however, a works meeting was also held which looked back at the year gone by and provided an overview of the coming months. In addition to honouring company anniversaries and extending a warm welcome to our 'newbies', the outstanding achievements of our employees were also recognised. Now, just before the start of the summer festival, the organisers succeeded again this year in keeping the theme of the celebrations secret until the start. But then it all kicked off.

This year, the 'casino', the communal and leisure lounge at eurolaser, lived up to its name. In the place where people normally spend their breaks and employees meet for lunch, the entire eurolaser team was drawn into the world of Lady Luck.



### "Rien ne va plus!"

Besides blackjack, poker and baccarat, the roulette table was not to be missed. After every employee had picked up their starter set of chips, the 'gambling, bluffing and winning' began in earnest. And when someone had the occasional losing streak, the 'casino staff' managed to cheer us back up with their entertaining productions. The cheerful team came all the way from Dresden to show us how to multiply our 'stash' or gamble away our last pennies. And when we needed a break, we could treat ourselves to all manner of exotic drinks at the cocktail bar. Even if we'd played our last chip.

The festival was organised by two trainees whom we would like to thank once again for the successful celebration. ■






# eurolaser - Staff news

## New recruitments

Name	Profession	Start of employment
Michael Pfundt	Service technician	16.05.2012
Christopher Kühn	Service support	01.06.2012
Artur Gamper	Construction engineer	01.06.2012
Hartmut Johannsen	Project manager R&D	01.06.2012
Richard Safarov	Team leader purchase	15.06.2012
Harald Richter	Service technician	07.08.2012
Anita Freese	Production employee / confection	16.08.2012
Robert Dippner	Software user / work preparation	16.08.2012

## Anniversaries

Name	Time in company		Date
Frank Matschke	15 years		01.07.1997
Dirk Clavien	15 years		15.09.1997
Lynn Engler	10 years		01.08.2002
Jan Blewonska	5 years		01.08.2007

## Examinations passed

Name	Profession	Date
Annika Franz	Office clerk	20.06.2012
Dennis Sawadsky	Industrial clerk	06.07.2012
Patrick Rinas	Dual course of studies / Business management	31.07.2012

## New trainees

Name	Training course	Start of employment
Alexander Gavran	Mechatronics	01.08.2012
Timo Jaretzke	Mechatronics	15.08.2012
Johannes Schmidt	Mechatronics	15.08.2012
Lars Mühlenbeck	Specialist for warehouse logistics	15.08.2012
Irina Pancuk	Dual course of studies / Industrial clerk	15.08.2012
Anna Falkenberg	Clerk for office communication	15.08.2012

## Dates 2012

**eurolaser**  
**in-house exhibition**  
**in Lüneburg (DE)**  
**20. - 21.**  
**September**



**FachPack**  
**in Nürnberg (DE)**  
**25. - 27.**  
**September**



**Reklama**  
**in Moscow (RU)**  
**25. - 28.**  
**September**



**Pragoligna / TOOLTEC**  
**in Prague (CZ)**  
**25. - 27.**  
**October**

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