



# LASERPOINT

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The Laser Magazine by eurolaser

19th edition / April 2017



## The eurolaser Team picks up speed

Skiing in South Tyrol

### Efficient and profitable

**Automatic processing of textiles on the conveyor system**

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### How to optimise your cutting results

**Tutorial on the accurate configuration of process gas and cutting nozzles**

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### Successful eurolaser customers

**KE Fibertec – "Air the way you want"**

## Into 2017 with renewed enthusiasm

Dear customers and business partners, dear interested parties,

Excitement was the order of the day at the end of last year and the beginning of this year. Many changes have taken place all over the globe, and fortunately most of them have been positive as far as we are concerned, particularly in the latter case. As well as many new technical features, we also made changes in order to find the best way of supplying useful information. The new structure of the web site and the additional languages for our newsletter are just two examples of how we would like to fulfil the changing requirements of the knowledge era.

### Skiing trip as thank-you to employees

Of course, it is not just the market which makes demands of us, so do our employees. Time and time again, everyday life pushes the daily topics into the spotlight. This means that the personal requirements of the employees sometimes have to take a back seat. I think that we should therefore put the focus back on the employees from time to time. In December 2016 our team saw out the year on a ski trip to Italy. Events such as this for employees are a part of our company philosophy. They encourage team spirit and provide motivation for future projects. The basis for a successful start to 2017. They are also fun, and this is just as important at work as it is in your private life.

### Ready for the future!

We are looking forward to presenting many new solutions to you once more in April. At our seventh grand in-house trade fair – Innovation Days 2017 - we will be putting on a major exhibition together with many partners on the subject of "Industry 4.0". You are invited to attend on 27th and 28th

April so that we can discuss the future of laser technology in material processing and automation solutions for your manufacturing. We are looking forward to your visit.



These and many other exciting topics are waiting for you. We hope that you enjoy reading the newsletter

Matthias Kluczinski

# The eurolaser Team picks up speed

## SKIING IN SOUTH TYROL

To round off a successful year our CEO and founder Matthias Kluczinski announced a very special kind of company outing. We exchanged our warm workplace for snow-covered ski slopes from 14th to 18th December 2016. The eurolaser team was thrilled by the invitation and looked forward to an exciting skiing trip adventure. 66 members of the eurolaser team headed south in the comfort of modern coaches and a few private cars. Destination: the Kronplatz ski region in the most northerly province of Italy.



In addition to a few old hands there were a lot of employees for whom skiing was absolutely uncharted territory. It is true there were a few concerned faces to begin with, but everyone was able to enjoy an extensive ski training program thanks to the good planning.

There was ample time to get acquainted with the equipment, the unfamiliar movements and the mountains. From beginners to the advanced, from skiers to snowboarders, everyone got the amount of instruction necessary to set them up properly.





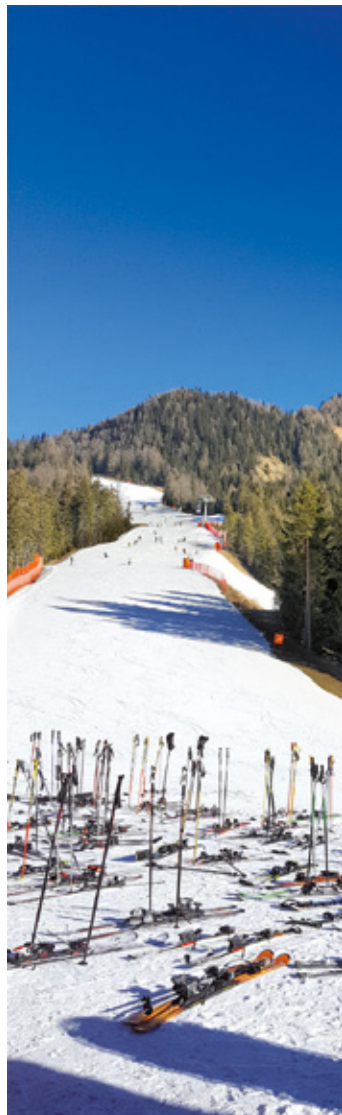


So the adventure could get underway. The high peaks of the main Alpine ridge rose from the north of our accommodation and the legendary majestic "pale mountains" - the Dolomites - to the south east. We set off for the wonderfully snowy slopes in brilliant sunshine. The heart of the holiday region and also its namesake is the 2,275 m high Kronplatz, also known as the No. 1 ski mountain in South Tyrol. Gently de-

scending mountains with wide, almost treeless slopes offered us a magnificent view and the perfect conditions for our fantastic, eventful days. This ski region boasts a total of 119 km of ski slopes and 32 modern lift facilities. It was pure fun and enjoyment.

Exhausted from the fresh mountain air we made our way back to the hotel in the evening. Some of us soon realized that such an active day spent skiing on the slopes can be very tiring. But we managed to revive our spirits with a hearty meal and a couple of "nightcaps". A pleasant get-together that was not only a culinary indulgence, but also served in particular to build up a sense of mutual trust and companionship within the eurolaser team.

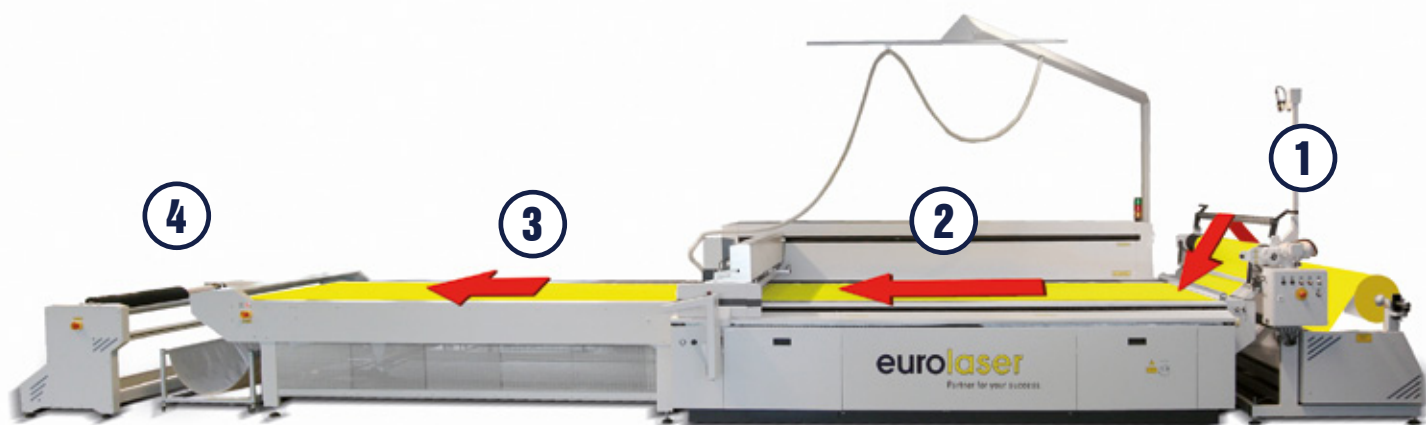
A great way to end the year and a huge boost to motivation for a successful year 2017.



# Our Conveyor-System – The solution for textiles

## AUTOMATIC PROCESSING OF BALE MATERIAL

eurolaser has long since had a market-proven solution for the automatic processing of textiles: the Conveyor System. We use a special table concept for this option. This comprises a stainless steel wire mesh and is particularly suitable for thin and flexible materials. On the one hand, this is used as the material support for machining process and, on the other, the transport element for the Conveyor System. Due to various options it is possible to get a completely automated cutting process. Increase your productivity by increasing the utilisation of your eurolaser system! The automated production facilitates your work and offers faster material processing with higher profit, especially when processing in large numbers.



### ① FEEDING UNIT

#### Automatic feeding of bale material

The bale material is fed via an automatic feeding unit. The automatic edge control of the feeding unit ensures a constant material alignment and thus continuously precise high quality cuts – meter by meter.



#### Process automation

The material is fed directly from the roll onto the laser system by the conveyor belt, where it is cut, perforated or engraved. Benefits include improved machine utilization thanks to automatic material guidance in the LCS which at the same time makes work easier for the operator. Capture of remaining lengths via barcode; make sure there is always sufficient material left for the processing of your order.

Optional paternoster function, for optimizing the production process by means of uninterrupted material feeding. From one to several hundred bales can be held ready directly by the laser cutting system in a "paternoster storage system".

#### Perfect positioning of the material thanks to edge control

Sensors are used to control the feeding unit in such a way that the defined position on the working surface is always correctly maintained. Benefits here include optimum material utilization and less waste.

#### Fast and accurate

##### insertion of roll material

Fast and accurate insertion of roll material and error minimization thanks to integrated laser line projectors.

#### Automatic control of the feeding speed of the bale material

Unwinding of the material from the roll is controlled independently of the speed with which the Laser Cutting System pulls in the material. This means that the feeding speed is always ideally aligned independently of the diameter of the roll. An optional powered roll support is available for large or heavy rolls.

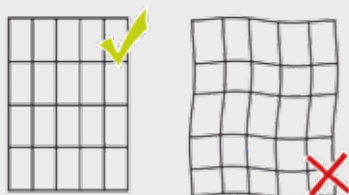
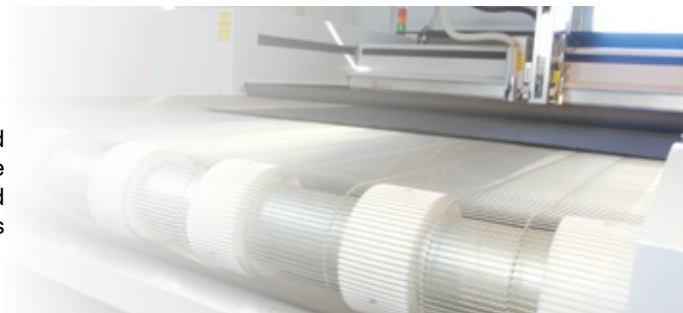




## ② CONVEYOR BELT

### Gentle material transport

The conveyor belt is a key component of the conveyor system and consists of a stainless steel web. It transports the material from the roll to the machining process on the laser system. The material feed is stress-free, so there is no material distortion while contactless machining with laser ensures outstanding results.



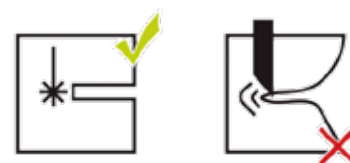
Precise and even material transport

### Gentle material transport without any material distortion

The material is fed directly from the roll onto the laser system and together with the web transported evenly, stress-free and exactly. This is a key requirement for exploiting the benefits of contact-less laser processing. It ensures excellent results and perfect repeatability.

### Perfect results thanks to contactless laser machining

The textiles are cut or engraved accurately by the laser beam. As laser machining is a contactless process, the material remains exactly in the correct position even during processing. You get excellent results.



Contactless laser cut without material default



Different mesh widths depending on the material characteristics

### Mesh widths for different materials

The eurolaser conveyor system comprises different mesh widths in line with the properties of the material, such as material thickness, rigidity and dimensions of the finished product. This enables us to guarantee the ideal configuration for your material.

### Adjustable exhaust unit for energy-efficient processing

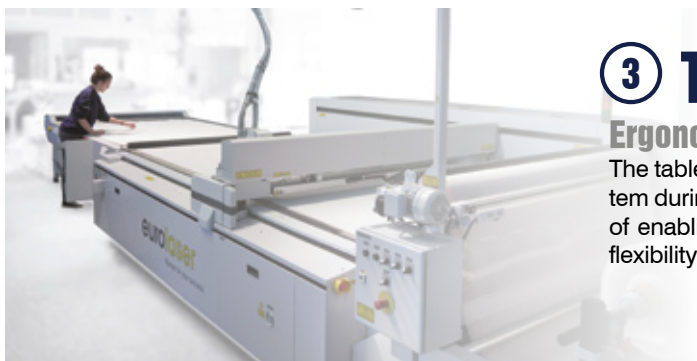
The level of the vacuum as well as the sections of the table that are exhausted can be adjusted individually with this option. Energy costs can be reduced by switching off segments that are not needed. The impact on the air-conditioning is minimized. You can adjust the exhaust unit to match your material and application perfectly with the fine adjustment of the vacuum.



Deactivation of not required exhaust segments

### Automatic conveyor belt cleaning

Particularly with sensitive materials, powder deposits or stuck-on material residue on the conveyor belt can reduce the quality of the cutting. Our conveyor systems are therefore equipped with automatic belt cleaning. The addition of an active cleaning function is optionally available for extremely heavy soiling.



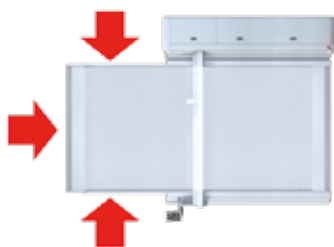
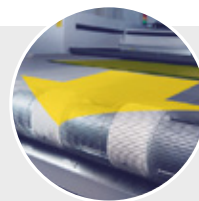
### ③ TABLE EXTENSION

#### Ergonomic workpiece unloading during cutting

The table extension allows the ready cut textile to be removed from the laser system during the cutting process. The table extension has the additional advantage of enabling the material to be removed from three sides, which in turn boosts flexibility in the production process even further.

#### Unloading of material without any interruption in the production process

Once the laser cutting process is completed the material is transported to the unloading table by conveyor belt. There the operator can unload the parts while the laser process continues without any standstill times.



#### Optimum access to the individual cut pieces

The table extension enables simple removal of the individual pre-produced parts from the laser system by the operator. In particular with wide work surfaces, access from three sides means the ready cut materials can be reached with ease.

#### Process optimization thanks to time-adjusted material feed

The material feed is interrupted by the release button on the table extension until the operator has completed unloading. This function is particularly expedient for all processes in which collecting up of the ready cut material takes longer than the actual cutting process or when several systems are being operated by one person at the same time. The work rhythm of each individual system is not necessarily taken into account in the overall workflow. This option, however, allows the operator to adjust the cutting process of the laser system so that it matches his own rhythm.



#### Ergonomically adjustable table height

The optionally available individual height adjustment feature of the table can make further processing easier for employees. It also enables transport of the materials to a table with a different height, e.g. for packing or sewing.

The height of the unloading table is adjustable

#### Smartfeed for an optimum material feed that matches the cutting data

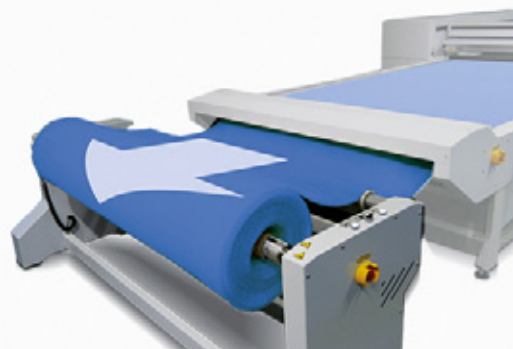
The feed cycle is controlled by the software in such a way that cutting of the individual parts is always carried out in a single work step. The software recognizes if some of the individual parts do not fit onto the processing table due to the arrangement of the cutting contours. Thanks to the intelligent feed optimization, the individual part is not cut until it has been completely moved onto the processing surface. This prevents any continuation of cuts.



## ④ WINDING UNIT

### Re-winding processed textiles after cutting

The Winding Unit is an optional extension of the conveyor system that ensures even winding of already processed textiles. To obtain optimum winding results, it may be necessary to include retaining bridges at the edges of the cut-out shapes to keep them together with the edge material when rewinding. The winding unit is positioned at the end of the cutting process thus enabling full automation of the entire process.



#### Pre-cut single parts for further processing

Although the single parts have already been cut, they are kept together with the edge material by means of small retaining bridges. If required, the parts can be removed quite simply.

#### Space-saving storage, optimum transport

The textile rolls with the pre-cut single parts enable space-saving storage. So even large volumes of pre-produced goods can be transported and stored simply and without damage.

#### Container for simple disposal of material remnants

Material remnants are collected directly into the optional collection device at the end of the unloading table. The collection container moves on rollers and enables easy removal. Semi-finished goods can be transported simply to the next step in production. A collection container with a sturdy housing suitable for forklifts is also available as an alternative.

#### Even winding

Optical sensors of the sag control ensure even winding. The winding speed is adjusted depending on the bale diameter.

#### Flexible winding

Winding can take place in a clockwise or anti-clockwise direction, depending on which side of the material should be outside on the roll. In addition, the operator has the choice of either manual or automatic winding.

#### Simple fixing of the rolls

A pneumatic expansion shaft ensures the goods are fixed quickly into place.

## + PROCESSING

### Printing, marking, labelling and cutting in a single operation

To facilitate the further processing of textile cuts, it is often necessary to mark the individual parts. eurolaser offers various options for this processing step. There are different alternatives to choose from depending on what is needed. The Label Module for labelling your goods, the Ink Printer Module for accurate printing of fine lettering and images, the Ink Marker Module for sewing markings and the Marker Module for drawing.



#### Labelling of individual parts

You label your individual parts quickly and in a single operation ready for further processing with our Label Module. Or mark your products with your brand logo.

#### Accurate printing of numbers, logos and barcodes

Inscribe your workpieces or adhered labels directly with the precision Ink Printer Module. Its high resolution enables the printing of the finest lettering and graphics.

#### Contact-free marking

The Ink Marker Module for contact-free ink jet marking is ideal for sewing marks and simple markings. Fast drying ink ensures a trouble-free subsequent downstream process.

#### Accurate drawing

The Marker Module can hold various drawing tools. The Marker Module was developed especially for drawing. Typical applications include the plotting of die-lines with an ink pen, marking seams with washable silver pens or the marking of patterns with a ballpoint pen.



# Gubener Plastinate GmbH

## TRUE-TO-LIFE PRINTS ON ACRYLIC

**B**ody Worlds is an exhibition of anatomical preparations (anatomy = study of the internal structure of the body) that is as unique as it is unusual and that has given rise to many and often

controversial discussions in the past. What has remained today is primarily the fascination of getting unprecedented impressions of the structure of the human body.



Production of true-to-life and true-to-contour preparation prints on acrylic



Gunther von Hagens developed the process of plastination as long ago as the 1970s. He researched this technique for several decades making continuous improvements all the time. Plastination now makes it possible to stabilise all body parts and preserve them permanently. This detailed preparation and the innovative means of permanent preservation are the result of both the perseverance of Gunther von Hagens and sensational research work. The entire process reflects expert craftsmanship perfectly. The possibility of reproducing permanently and clearly what has never been seen before is

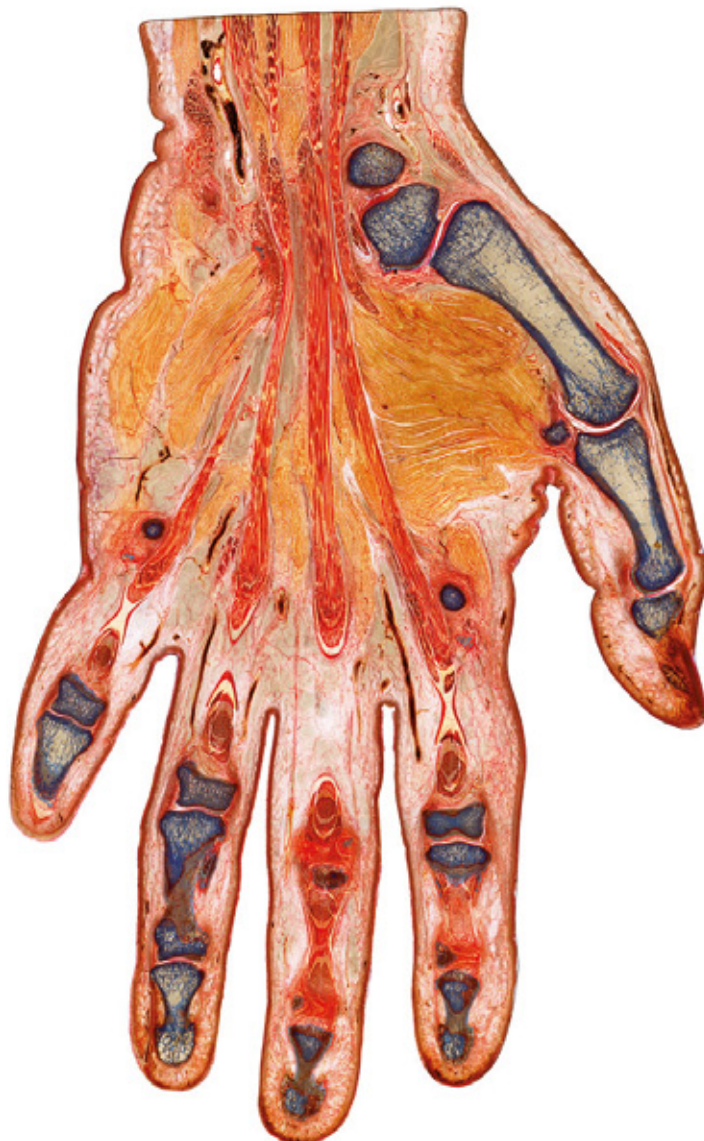
a milestone in the exposing of connections in the structure of the human body. Not only is this imparted knowledge informative for non-professionals, it most especially enhances the studies of aspiring doctors.

That is why the Gubener Plastinate GmbH wishes to make this knowledge available for research and training purposes. Educational institutions can purchase realistic digital prints with which medical issues can be explained clearly.

The process involves making high-quality digital prints in acrylic sheets. This gives surpassing brilliance to the photo prints which are at the same time protected by the acrylic



Accurately contoured preparation prints



glass. Gubener Plastinate uses a laser system from eurolaser for true-to-detail cutting of all desired contours. The system can cut acrylic sheets of up to 20 mm accurately and without the need of any reworking. Plus the smooth cut edges give the showpiece a classic look thus adding to its high-quality.

*"The laser equipment ideally meets our demands for the perfect and quick cutting of preparation prints according to contour specifications. The result of the acrylic processing is a visually attractive acrylic edge that fulfils the needs in both the presentation area of our exhibition as well as the medical training institutions of our customers to the full."*

Mr Andre Zink, employee at Gubener Plastinate GmbH. ■

**Gubener Plastinate GmbH**  
Guben / Germany  
[www.plastinarium.de](http://www.plastinarium.de)

# How do I optimally configure the nozzles and the process gas?

## TUTORIAL FOR OPTIMISATION OF YOUR CUTTING RESULTS (G3/S3 SERIES)

In order to achieve optimum results in the cutting process, the exact configuration of the process gas and the cutting nozzles is very

important. In our tutorial, we will show you step-by-step how to optimise the configuration of these parameters for your application.

### Which parameters can I configure?

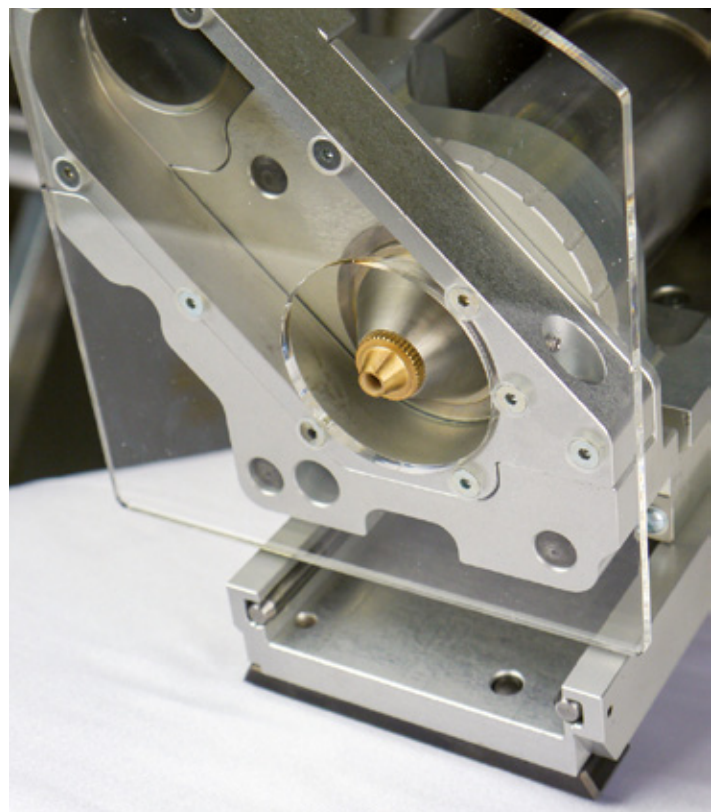
- Selecting the right cutting nozzle
- Setting the correct distance between nozzle and material
- setting the process gas

### How do these parameters affect the cutting process?

- The material melt is driven from the cutting gap
- Cooling of the heat-affected zone at the focal point
- Prevention of the ignition of cutting emissions
- Protection of the optical lens

### What are the effects of optimised settings?

- Neat material surfaces (material-dependent)
- Back of material is free of smoke deposits
- Uniform cut edges
- Smaller cutting widths
- Fewer oxidation marks





## 1) Selecting the right cutting nozzle:

You can choose from two different nozzle types, with either a diameter of 2.0 or 4.0 mm. Depending on the nozzle diameter, different effects are achieved.

For replacing the cutting nozzles, please either switch off the laser system or use the tool changeover mode (F4). The cutting nozzles are at the bottom of the laser head and can be easily unscrewed by hand. Please do not use tools for tightening the

nozzles, as otherwise the cutting nozzles might be difficult to loosen again.

Effects when selecting the cutting nozzle:

With a small nozzle diameter (2.0 mm), a fine jet of compressed air achieves particularly neat cut edges and material surfaces.

A wide jet (4.0 mm) generates

a cooling effect on the material surface. A weak, wide air stream is beneficial to engraving applications and makes it possible to have polished cut edges in acrylic glass.



## 2) Setting the correct distance between nozzle and material:

The free operating distance from the cutting nozzle to the process material is adjusted via the thumb wheel. The nozzle is the deepest point of the laser head. Before adjusting the distance, it must be checked whether the reference value is set to 0 (z=0). If this is not the case, perform an initialisation of the Z-axis on the material support surface as described in your operating instructions.

Now the distance between the nozzle and the material can be fine-tuned.

4 turn clicks = 1 mm separation gap

Minimum distance = 2 mm

Maximum distance = 10 mm

Effects when setting the distance:

The smaller the distance, the more air pressure is applied to the cutting gap. So in general, more cutting emissions are blown out of the gap, so that there is less build-up of smoke. If you increase the distance, the air pressure applied to the cutting gap decreases.



Example: If you increase the distance when cutting acrylic, you create smooth cut edges, but not all flammable

gases might be blown into the exhaust channels anymore. So the point needs to be determined at which the optimum ratio between the formation of flames (due to the flammable gases) and smooth cut edges is achieved.



## 3) Setting the process gas:

The process gas is configured via your operating software.

First of all, select the setting 'Process gas' and select the 'Compressed air' parameter.

In the second step you can determine the compressed air under 'Process gas pressure'. The

smallest value is 'purge gas'. Otherwise, you can choose between '1 and 5 bar'.

Effects of the process gas setting:

Little pressure might result in the gases being generated during

the laser process not being blown out of the cutting gap completely. This can lead to an increased build-up of smoke deposits. For example, little pressure during the cutting of wood can result in darker cut edges.

More pressure has the same effect as little nozzle distance to the material. The gases being generated during the laser process are flushed out of the cutting gap. However, too much pressure can generate a turbulence, which in turn can result in poorer outcomes.

The parameters described above influence each other. The laser power as well as the speed also influence the quality of the cut edge. With the individual configuration of these parameters, you can achieve optimum results for your material.

Find out more about our laser systems and valuable tutorials under:  
[www.eurolaser.com/customer-service/faq/](http://www.eurolaser.com/customer-service/faq/)

Take advantage of our numerous training options, to optimise your know-how of these and other topics in a targeted way.  
[www.eurolaser-academy.com](http://www.eurolaser-academy.com)

**KE FIBERTEC**

AIR THE WAY YOU WANT

# KE Fibertec – “Air the Way You Want”

## SUCCESSFUL EUROLASER CUSTOMERS

**K**E Fibertec AS develops, manufactures, and markets „Good indoor climate“ or air distribution systems based on fibre technology. The principle is to create draught-free and uniform distribution of the ventilation air through our tailored textile ducts. Today, air distribution systems are used in almost all applications - from industry

to sports centres, office facilities, laboratories, food industry, and many other applications that require a good indoor climate. In order to meet the high quality standards of KE Fibertec all textiles are produced in their own weaving plant KE Fibertec Vaeveri AS. In principle a textile duct is a round, semi-round or quarter round duct made







of a light-weight textile material instead of e.g galvanized steel, stainless steel or aluminium, designed for delivery and distribution of cooled or heated air.

In order to ensure that KE Fibertec's stringent quality requirements are met, all its textile materials are woven at KE Fibertec's own weaving mill KE Fibertec Væveri AS.

For the cutting of textiles, KE Fibertec has deliberately decided for the eurolaser laser system L-3200. The advantages of laser cutting are obvious. Laser cutting allows precise and filigree cutting of contours, so that an accuracy of the textiles will be achieved. Among others, a po-

sitive side effect is the fact that, in case of plastics, there will be melted cutting edges so that the fibers cannot fray anymore. By using laser processing, even the smallest inner contours can be realised which are not possible with conventional processing methods, such as punching or knife cutting.

In addition, the selected module with conveyor offers the opportunity to process textiles directly from the roll. Based on customer's requirement, an individual table solution with separate collecting table was built, which can be adapted to the working level of its employees. By considering this aspect, an



ergonomic work place can be ensured.

With the aid of a software, the individual contours need to be cut will optimally be positioned onto the material and be cut with little material loss. In order to label cutting parts for further process steps in the production process, and thus, to optimise the traceability, the system consists of the Label and Ink Printer Module. By using these, parts that belong together, can be labeled as a set for a smooth further processing. All in all, this results in a fully automated production solution.

Johnny Kusk Møller, Production

Director at KE Fibertec AS:

*"As market leader in textile based ventilation we want to be first mover. We introduced the world's first Cradle to Cradle product in the business and recently we were certified according to the new ISO 9001 and ISO 14001 standard (2015) as the first company in Denmark. Consequently, we always go with the best suppliers available and therefore eurolaser was the natural choice for us when we needed a new laser machine."*

**KE Fibertec AS**  
**Vejen / Danmark**  
**[www.ke-fibertec.com](http://www.ke-fibertec.com)**



# Fundraising Campaign

EUROLASER TO SUPPORT TWO NON-PROFIT MAKING ORGANIZATIONS

**It has in the meantime become a tradition in our company to do without Christmas presents and to use the money saved to support social and regional projects instead. We will be supporting two different projects this year.**

Our first donation this year will go to the Lüneburg „Leben leben“ (Live life) Foundation, whose aim is to help people in particularly difficult circumstances. To this end the Foundation maintains numerous care, educational and residential facilities for children, adolescents and adults. Every day the specialist staff in these facilities work with great commitment and pleasure and make a va-

luable contribution to the realization of the aims. The main tasks of the foundation lie in aiding and supporting people of all age groups who are in need of assistance, whereby the support is given not only to people with mental, physical or psychological handicaps, but to their families and friends as well. We would like to take this opportunity of supporting the work of the Foundation with our donation and hope that its basic philosophy will also be upheld in the future:

*“We are convinced that such social integration is only possible with the commitment of many helping hands.”*

## Foundation „Leben leben“

Our second donation will go to the Woodlarks Baseball Club in Lüneburg, which managed to move up to the second Bundesliga after winning the Club League Championship. This is the first time in the history of the club that the team has qualified for the second league. We congratulate all players and fans on their achievement and wish them all success in the coming season! As the main sponsor of the Lüneburg baseball team, the Woodlarks, we are delighted with the news and express our heartfelt congratulations

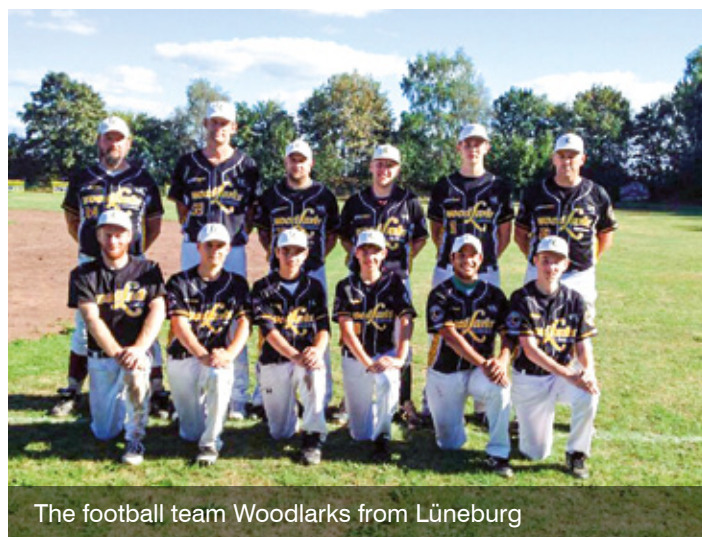


on the team's promotion. Our colleagues Pascal Storm and Francisco Suarez Torres played a great game scoring critical points for their team in the decisive match. So our maxim “eurolaser – Partner for your success” also applies perfectly to our sport sponsoring.

In the same spirit we would like to say a big thank you to our partners and customers for such pleasant cooperation and the confidence placed in us. ■



The foundation „Leben leben“ (Live life) receives the donation



The football team Woodlarks from Lüneburg



# Our new website is online!

CLEAR, INFORMATIVE, APPEALING



**For you we have redesigned our website. With just a few clicks you can now easily access all facts about our high end laser systems, suitable materials, services, and success stories of our customers.**

## New Design

The page is wider and more easy to read with a larger font. The text structure is to give users a better overview. The modern design and large images and video elements support the fresh effect.

## Search function

From now on, it is easier to navigate our comprehensive knowledge database with the new search function. Just try it and quickly find the appropriate pages for the search terms entered.

## Drop-down menu

The drop-down menu enables quick access to the sub-pages of specific categories. Simply move the mouse to the

top menu item, and the pages below will open.

## Footer menu

A fixed listing of pages will be displayed at the bottom of the website, which can always be accessed. This means the most important pages can always be directly opened. Furthermore, a newsletter login is always possible directly on each page.

## Customer service & FAQ

The content about our customer service has been completely revised. The page is now clearer and includes all service offers. In addition to that we further enhance our FAQ section in order to give you detailed information about the following categories: The basis of laser technology, the unique eurolaser technology, correct handling of the laser systems, maintenance, and material science. Happy browsing! It is worth it!

## New selectable Newsletter languages

### Newsletter now available in Russian, Portuguese and Turkish

Our Newsletter "LASER today" provides information on exciting topics related to the laser technology. You will read about news from the industry and interesting material or application reports as well as theoretical and practical experience – up-to-date, informative and always ahead of the latest trends. All news are now available in three more languages: Russian, Portuguese and Turkish. Everything else stays the same. So, all in all you can now choose between 10 languages. Sign up and be inspired!



# eurolaser ACADEMY



DATES IN 2017

With the 'ACADEMY' training concept, eurolaser offers a comprehensive service portfolio for all aspects of the laser systems. The new workshops bring you quickly and efficiently up-to-date with the latest requirements of accident prevention, safety at work and industrial safety regulations. While

the system expansions also offer a high potential for significant optimisation of your laser system in terms of output and quality. Our current workshop programme is available in English and German. Workshops in English upon request. Following workshops are scheduled for German speaking participants:

**Certification to laser system operators (G3/S3)**  
**08th and 09th May 2017**  
**14th and 15th November 2017**

**Certification to laser system operators (PN)**  
**10th and 11th May 2017**  
**16th and 17th November 2017**

**Software LaserScout 7 application training**  
**03. April (basic), 07. April 2017 (advanced)**

**System optimisation through extended own maintenance (G3/S3)**  
**15th and 16th May 2017**  
**02nd and 3rd November 2017**

**System optimisation through extended own maintenance (PN)**  
**29th and 30th May 2017**  
**04th and 5th December 2017**

# eurolaser - Personalities

## New recruitments

Name	Profession	Start of employment
Maritta Glahn	Coordinator Office Sales Department	01.03.2016
Konstantin Oveckin	Technician Service Department	01.03.2016
Carolin Pelster	Assistant Back-Office	14.03.2016
Juan Angel Ila Hopper	Field Representative Spain, Portugal, Latin America Sales Department	01.04.2016
Francisco Antonio Suarez Torres	Technician Service Department	01.04.2016
Janine Baginski	Assistant Service Department	16.04.2016
Stefan Hörer	Technician R & D and Application Department	01.06.2016
Franziska Heinze	Coordinator Technical Support Service Department	01.08.2016
Martin Sinne	Manager Service Department	15.08.2016
Thomas Constabel	Technician Service Department	16.09.2016
Chrysanth-Caesar Duda	Field Representative Germany Sales Department	01.11.2016
Gennadi Schiller	Developer Electronics R & D Department	01.11.2016
Marco Friederichs	Business Manager	01.01.2017
Jan Kersten-Stix	Technician Service Department	01.01.2017
André Wolsing	Technician Application Department	01.01.2017
Anika Schumacher	Assistant Service Department	01.02.2017
Ingo Knifka	Manager Marketing Department	09.01.2017
Luis Felipe Garzón Rojas	Technician Service Department	06.02.2017

## Anniversaries

Name		Start of employment
Wladimir Mescherikow	5 Years	15.01.2011
Nina Weigandt	15 Years	01.03.2001
Florian Buchholz	5 Years	15.08.2011
Nils Ripke	5 Years	15.08.2011
Karlo Yako	10 Years	01.09.2006
Ronald Vick	5 Years	01.10.2011
Ute Marquardt	10 Years	13.12.2006
Marcel Berger	5 Years	01.03.2012

## New trainees

Name	Training course	Start of employment
Melissa Pufe	Industrial clerk	01.08.2016
Thorben Dieckmann	Specialist for IT system integration	01.08.2016
Isabelle-Severine Kaplanski	Clerk for marketing communication	01.08.2016
Pascal-Maurice Storm	Mechatronics	01.08.2016
Jürgen Niklas Plaggemeyer	Mechatronics	01.08.2016
Sven Behrendt	Specialist for IT system integration	08.08.2016
Sarah Fricke	Industrial clerk	11.08.2016
Mohamed Alhamdan	Specialist for warehouse logistics	26.08.2016
Aiyana Geisler	Industrial clerk	16.09.2016

## Examinations passed

Name	Profession	Date
Hans- Ulrich Niehaus	Mechatronics	13.01.2016
Timo Jaretzke	Mechatronics	13.01.2016
Lennart Häbenbrock	Specialist for IT system integration	02.06.2016
Melanie Bengsch	Industrial clerk	09.06.2016
Dimitri Bauser	Industrial clerk	16.01.2017

## TERMINE



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**Fespa (DE)**  
**08.-12.05.17**



**Texprocess (DE)**  
**09.-12.05.17**



**Fakuma (DE)**  
**17.-21.10.17**

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