

Laserpoint

The multifunctional solution

eurolaser Precision Cutter

eurolaser reference customer

VKF- Renzel - a successful eurolaser partner

Company & News

Cihan Makina A.S. - our partner in Turkey

The Laser Magazin by **eurolaser**



Visit eurolaser at EuroShop! We welcome you in hall 5, booth 5D40.

Editorial

**I wish all our readers
a peaceful year in
2005!**

The current issue of our customer magazine Laserpoint is dedicated to the subject of multifunction. The realisation and combination of many possible solutions is an important part of eurolaser's success.

We have shown a few examples of this on the following pages. If you have detailed questions please make use of our application centre to develop the solution, which is right to satisfy your requirements.

Best regards,

eurolaser Precision Cutter

Future by tool variety!



Laser cutting - engraving, drilling, creasing, drawing or knife cutting at the next moment: The modular design of our systems makes them multifunctional. No matter if you produce advertising material, textile ware, membrane switches, wood products or packaging material - eurolaser offers solutions that fit!

One can work with sheets or rolled materials, flexible or rigid and cut it precisely

with the optical registration system. In questions of table size, material feeding system and tool selection the systems get adjusted individually to our customers needs. The eurolaser systems are easy to maintain, upgradeable and our worldwide service network will be your competent partner.

Convince yourself at EuroShop!



The eurolaser system offers a variety of solutions!

Material processing in the graphical industry has to deal with a high diversity of requirement profiles.





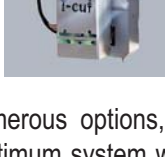
Use is made of widely differing materials in the form of plastic foils or sheets, composite materials, card, textiles etc., which are processed to make widely differing products such as sales displays, poster

and brochure stands, scanner and display profiles or individual signs.

The user can choose between numerous types of tools for machining these materials such as lasers, knives and cutters, which fundamentally differ from one another in their areas of application for cut-

ting, engraving, milling, kiss-cut and marking.

The following table will give you an overview of the most common combinations:

Type	Tool heads	Description	Suitable for					Typical materials											
			Cutting	Engraving	Milling	Kisscut	Drawing	Foils	Sheets	Card	Diverse								
Laser		CO ₂ -Laser Cutting and engraving head for processing of non-metals, "sealed off" technology, maintenance-free.	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cutting and Plotting heads		C2 Cutting and plotting head with tangential knife, for alternate use of knife or pen, automatic pressure control up to 1500 g.	●			●	●	●	●	●			●	●					
Tool heads with servo-controlled Z-axis		Tz-P High-performance cutting head with Z-axis controlled tangential module and pen module.	●			●	●	●	●	●			●	●	●	●	●	●	●
		Rz-P 3-D milling head with Z-axis controlled routing module and pen module. With 150W or 450W high frequency milling spindle.			●		●				●	●	●	●	●			●	
Optical Registration Systems		CCD-camera Automatic registration for precise cutting of printed materials.	CCD-camera recognizes exact position (can be mounted on all tool heads)																

From this numerous options, users can choose the optimum system with the tool configuration that is best for them. Each of the tools shown has specific advantages and they differ from one another considerably in cut quality, speed and cycle time.

Specialisation or versatility

Depending on the planned quantities and the scope of the application, it may be worthwhile for the user to specialise in one type of tool or one product. Alternati-

vely he may prefer to combine different tools in one system in order to obtain the maximum versatility and utilisation of the machine.

The eurolaser system gives you both options: specialisation and maximum versatility. You can decide for yourself what is most important. If you choose the laser, for example, but also want to cut PVC film (which is a problem with the laser due to the thermal reaction), you can quickly change to a knife cutting tool without any problems.

Advice / Application

In order to find the optimum system configuration, our Applications Department will carry out cutting or engraving trials with your sample material. A sample is the best way of demonstrating our advantages. You can compare production time and quality.

Our Sales Department will be pleased to provide further details:

Tel: 04105 - 155-500

sales@eurolaser.com

eurolaser reference customers

VKF- Renzel - a successful eurolaser partner

VKF-Renzel is internationally renowned for the manufacture and marketing of sales promotional items, price labelling and goods presentation systems. The VKF group of companies currently employs more than 300 staff in its subsidiaries in Germany, the Netherlands, the United Kingdom, Russia, Austria, Poland, Slovenia, the USA, Greece and Turkey.

In its annual catalogue "Your active Sales Consultant", VKF-Renzel presents more than 17,000 promotional items to its customers.



Joachim Ostendorf

(Managing Director, VKF-Renzel):

"As well as the established advantages of smooth, translucent cut edges and minimum throughput times, the eurolaser M-1600 / 250 Watt particularly distinguishes itself by its ease of use. New staff can also quickly become acquainted with the procedures using existing CAD data."

In order to satisfy individual customer requests, the range also includes in-house manufacture in many areas.

Individual product solutions

VKF-Renzel manufactures these in-house products with the help of comprehensive and modern plastics, metal and aluminium machining centres, various printing processes and renzel media. The plastics department works with a wide range of different materials:

- Plastic sheets made of acrylic, polystyrene, ABS, PVC, PET-G and PP for sales

displays, brochure stands, advertising boards, scanner and display profiles, price labelling of all kinds, etc..

- Widely differing films for individual self-adhesive labels, vehicle signage, advertising and construction signs, slide boxes, banners, wheels of fortune, stand turners, promoters etc..

When machining acrylic for all kinds of displays, VKF-Renzel uses the eurolaser M-1600/250 Watt system. For VKF-Renzel, optimum edge quality and minimum throughput time are the deciding factors for using the laser.

Smooth and translucent cutting edges

The focused beam of the laser achieves a strong warming of a small portion of material that evaporates the acrylic. The evaporated material is blown out by an air jet and can be sucked off and filtered easily. In addition, the air jet has the effect of drying the thin film of fluid acrylic on the cut-

ting edge like paint. This effect leads to the smooth, even and most especially translucent cutting edge which can otherwise only be achieved by means of flame polishing.

The intangible quality of the laser beam means that it needs no cutting space and is not subject to the limitations of conventional tools such as narrow spacing, angles or radii in the workpiece. The choice of contours that can be cut is unlimited.

Minimum throughput time

No-contact processing means that clamping the workpiece is a thing of the past.



The laser works so precisely and with such repeatability accuracy that it suffices to align the workpiece with the laser. The surface is safeguarded against scratching or other mechanical influences.

There is no wear and tear on the laser point. A sealed-off CO₂-laser is effectively maintenance-free. No extra tooling costs are incurred.

The collaborative and co-operative partnership has constant existing for more than 2 years.

VKF Renzel GmbH
Im Geer 15
D-46419 Isselburg
Tel.: +49 (0) 2874 910-0
verkauf@vkf-renzel.de
www.vkf-renzel.de



Sample of a wide range of in-house manufactured display produces with eurolaser M-1600 / 250Watt

Staff

Ulf Fleischfresser becomes new Service Manager



Ulf Fleischfresser

Ulf Fleischfresser is working for eurolaser since 01.09.2004. As Service Manager, he has taken over central responsibility within the company. Ulf Fleischfresser has assumed office with the objective of building up the Service Department to keep pace with the rapidly growing number of systems that have been sold all over the world, and also to provide impetus for future system development. Ulf Fleischfresser has many years of experience in the laser market. In the last years, he was employed as a service technician at Sator Laser GmbH and subsequently as Deputy Manager of the Service Department.

Appointments

2nd-5th February, SERIGRAPH in Barcelona (E): eurolaser is presenting its solution for cutting and engraving of acrylics on the International Screen Printing, Pad Printing and Digital Printing Exhibition.

19th-23rd February, EuroShop in Düsseldorf (D): eurolaser is demonstrating the advantages of the M-1200 / 250 Watt system. Visit us at the global retail trade fair. We welcome you in **hall 5, booth 5D40**.

2nd-4th March, Reklama & Polygraf in Prag (CZ): Meet eurolaser and HaWe Systems at the International Trade Fair of Advertising Services, Marketing, Media and Polygraphy, Paper and Packing Technology.

3rd-5th March, Sign Scandinavia in Göteborg (S): The Sign Scandinavia is the meeting place for the Scandinavian sign-making industry. eurolaser will present their solutions in cooperation with Zünd Skandinavien Aps.

7th-18th March, service training at eurolaser (D): Good service is a key factor in our "Concept of Partnership". It is compulsory for all dealers and partners to attend within two-year intervals.

19th-22nd April, Euro-Reklama in Poznan (P): eurolaser and Printy Poland R. Gardtner and Company Sp. z o.o. demonstrate the advantages of the M-1200 / 250 Watt system. Visit us at our polish neighbours!

2nd-6th May, Ligna in Hannover (D): The LIGNA+ HANNOVER is the world's premier event for the forest and wood industries. We will present new solutions for the woodworking process.

31st-04th May/June, Fespa in München (D): The largest global event for screen, digital and industrial printing. Be there when the gate opens up. We will be pleased to welcome you.

Partner News

Cihan Makina A.S. - our successful partner in Turkey

CIHAN MAKINA A.S. is represented as a partner in the textile and clothing industry for more than 15 years. Since 2004, CIHAN MAKINA A.S. has been consistently expanding this sales know-how to other markets and technologies. Together with eurolaser they have entered the market for laser cutting and engraving systems with great success. CIHAN MAKINA A.S. sees itself not only as a distributor, but also provides comprehensive advice, service and maintenance services. In 2005, we will be further intensifying our collaboration and expanding the growth market in Turkey and the Middle East.

Cihan Makina A.S.
Mr. Hasan Basoglu
Keresteciler Sitesi Nar Sokak No: 13
TR - 34010 Merter-Istanbul
Türkei

E-mail: cihan@cihanmakina.com
Internet: www.cihanmakina.com

Imprint

Publisher:
elh eurolaser GmbH
Glüsinger Str. 76 - 78
D-21217 Seevetal

Editorial Board:
Thorsten Föcking (GF, resp.)
Jörg Walter

Layout:
Jörg Walter,
Burkhard Schreiber
Kommunikations-Design / Werbung
Bernstorferstr. 142
22767 Hamburg
Tel. 040 / 40 18 65 00
buschreiber@gmx.de

Contact

elh eurolaser GmbH
Glüsinger Str. 76 - 78
21217 Seevetal

Tel.: +49 4105 155 0
Fax: +49 4105 155 555
Internet: www.eurolaser.com
E-Mail: redaktion@eurolaser.com