

**Give your business  
the right cut.**



**Discover the new generation  
of digital processing systems  
for cutting and milling.**



# The right cut needs the right expert.

## Worldwide champion

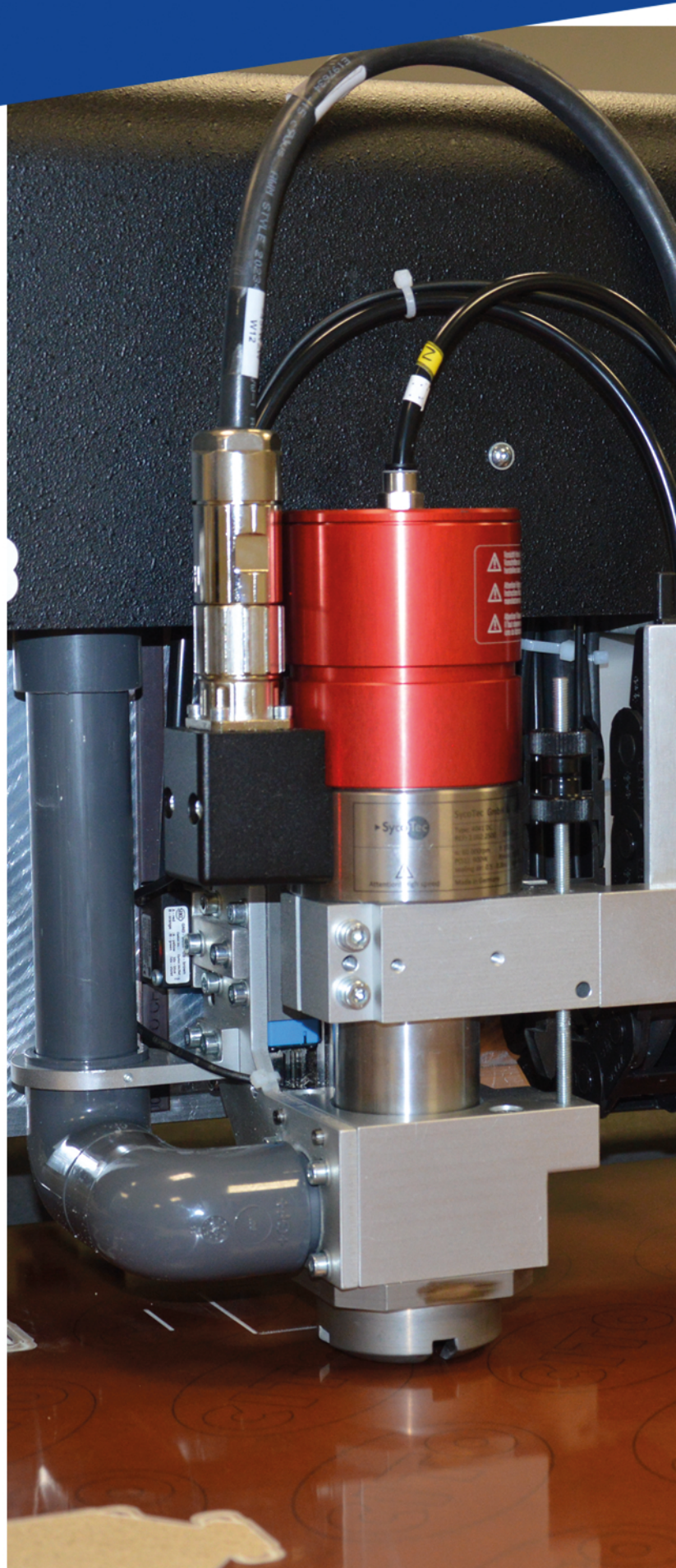
You may not know of the new CMS? But you surely know the company that stands behind this new generation of digital processing systems for cutting and milling: Lasercomb - internationally known as an innovative supplier of systems solutions, for the packaging industry and die making industry.

## The cutting expert

Lasercomb have many decades of know-how and a uniquely focused expertise. We have been developing innovative and highly varied cutting equipment for more than 45 years, ranging from laser to water jet systems for milling and cutting.

## Precision and innovation

Precision is deeply anchored in the DNA of our company and in how our systems work. In addition, we demand from ourselves the need to provide our customers with innovative and future-proof solutions.





# The right time for the right cut.



## Capturing new market areas

Take the right step now. With the CMS, we are presenting a new generation of digital processing systems, which guarantee you undreamt-of possibilities in the handling of the largest variety of materials, ranging from innovative plastics, traditional wood and all the way to aluminium.

## Digital future

The new CMS integrates the digital future, together with the know-how, the experience and the pioneering and inventive genius of a company, which has been setting standards for more than 45 years: Lasercomb. For the first time ever, we brought a laser cutting machine to the market in 1973, and this was followed in 1984 by the PPS 120, the first plotting system for manufacturing samples. The CMS has set a new milestone in this regard.

## “Made in Germany”

Lasercomb systems and machines are developed by our own engineers. They are equipped with the highest-quality modular components, which can be perfectly adjusted to your individual requirements and specifications.





## A masterpiece of German engineering art

With the CMS, we are presenting an all-new generation of digital processing systems, specifically developed for cutting and milling. With the CMS, we are linking our decade-long experience and know-how in a unique way, with the unlimited possibilities of the digital future.

## Optimized for samples and short runs

Not only paper, Forex or acrylic materials - with the CMS, almost all other materials and tasks can be mastered with excellence. The CMS guarantees that it is optimally suited to face all challenges of the future, during the manufacture of samples and short runs.

## Ready for the future

From experienced digital professionals, all the way to those who are new to the business or to the world of digital print post-processing, the new CMS is the ideal solution for all companies that are looking to the future.

The CMS can be integrated completely into every network and each workflow, and it can be individually upgraded for any requirement and specification. With compact dimensions and high solidity, maintenance of the CMS is just as simple as it is time-saving. The additional remote maintenance function guarantees still more comfort and operational reliability.



# A new generation, a new perfect cut.

## As simple as possible

Besides its multifaceted capabilities, the new CMS wins approval due to its exceptional user-friendliness and the high operational comfort. This enables the CMS to be operated without major investments in long and expensive training sessions.

Simple, ergonomic and comfortable - the menu control of the CMS is organized via a large-format touch display. All working steps can be controlled from here.

## CMS – CUTTING MILLING SYSTEM

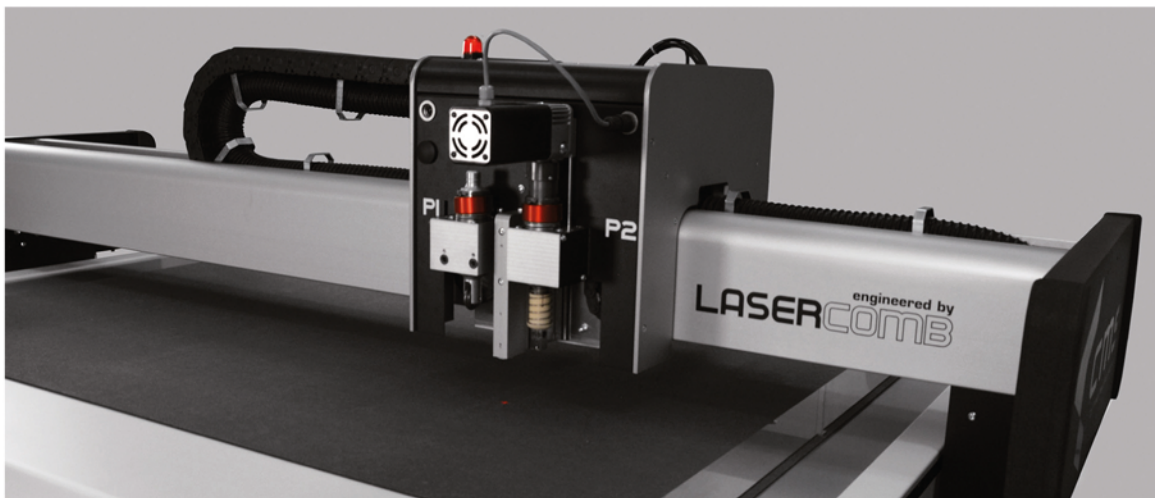
- Combination tool for cutting and milling
- For manufacturing samples and short runs
- Simpler user interface
- Especially stable, due to a one-piece substructure
- Highly efficient, also during one-man operations





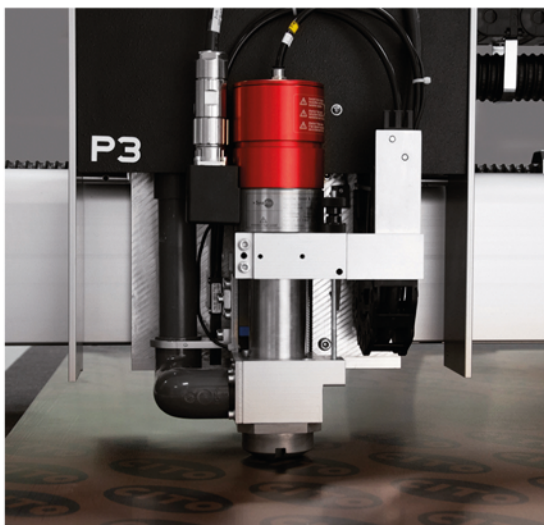
# Outstanding performance for the right cut.

Cutting and milling, efficiently and with perfect quality. The new CMS offers everything required by the most demanding user, for optimal future-oriented post-processing of digitally printed materials.



## Time is money

With the CMS, tools can be exchanged quickly and intuitively. A large selection of tools is available to fulfil every specification and requirement.



## Milling made easy

The innovative milling unit of the CMS machine includes a functional system for changing tools, making it possible to carry out a variety of milling operations with high precision and perfect quality. The automated exchange system permits a high degree of automation, with regard to the respective application.



## Camera system recognition

The intelligent combination of an integrated camera system and OptiScout, the digital finishing software, makes it possible for the CMS to give all printed materials a perfect form. Position, status and eventual scaling effects are detected with high precision by the camera. As a production, job preparation and design software, OptiScout supports the entire "print & cut" process (optional).



## Available to you at all times

The CMS is very easy to handle and to keep in operation. If you will nevertheless need support, then we use TeamViewer software to provide remote maintenance, and we can at all times also provide you with advice and assistance on site. TeamViewer is preinstalled, and it is automatically activated when CMS is first taken into use.



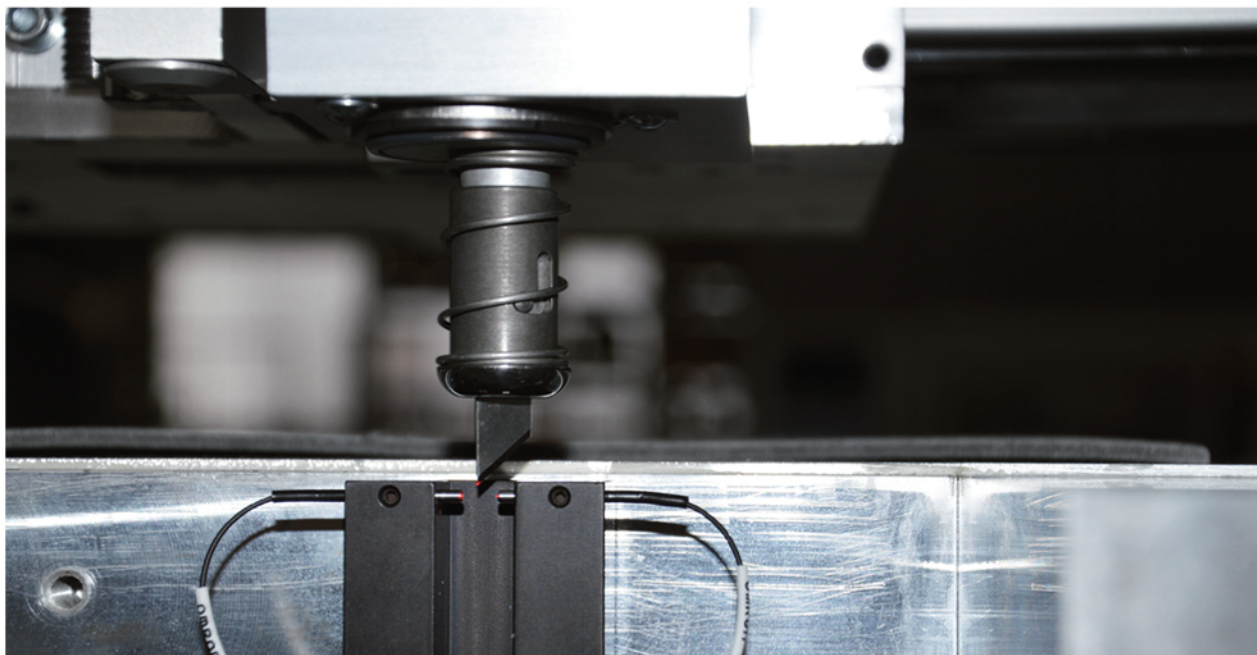
### CMS – THE MOST IMPORTANT ADVANTAGES AT A GLANCE

- Simple handling
- High precision
- Flexible and easily fitted with individual components
- Additional tools as an option
- Low-maintenance operation
- Ready for Industry 4.0
- Multiple usage
- Investment-safe quality  
"Made in Germany"
- High resale value



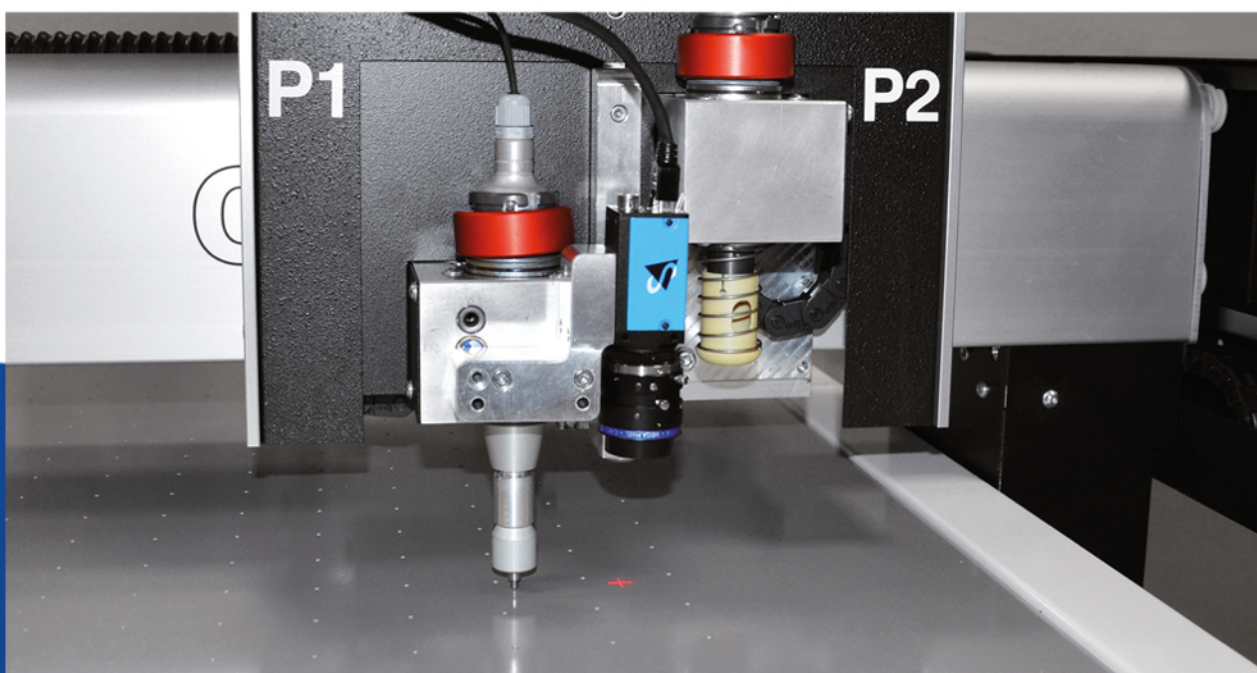
## Tool measurement

The tested, high-performance measuring system, which is used for a contact-free measurement of the oscillating tools, guarantees an automated control of the depth setting. The frequency of such measurements can be individually selected via the user-interface.



## Surface measurement

A robust measuring system, which automatically changes the height adjustment during the working process. Here the surface is measured in a scalable grid.



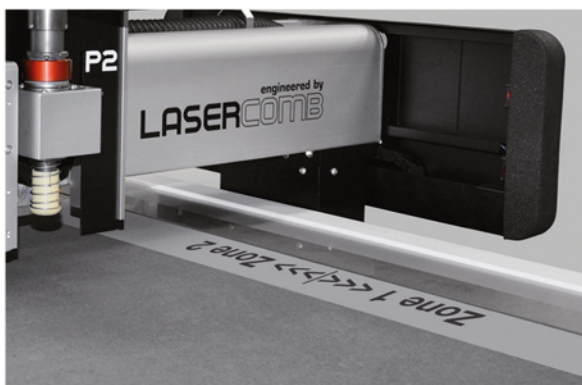
# The right equipment makes the best cut.

The CMS makes numerous tooling options possible. In this way you can be sure that you are using the perfect equipment, individually adapted at all times to the task and to every specification, for efficient and optimal performance.



## Oscillating knife

(For heavy cardboard, rubber and foam). Operating with a frequency of 12,000 strokes per minute. Oscillating knives in several different designs, ideally suited for various materials, including honeycomb structures, rubber, Vulcolan or PolyMX, up to a maximum thickness of 50 mm.



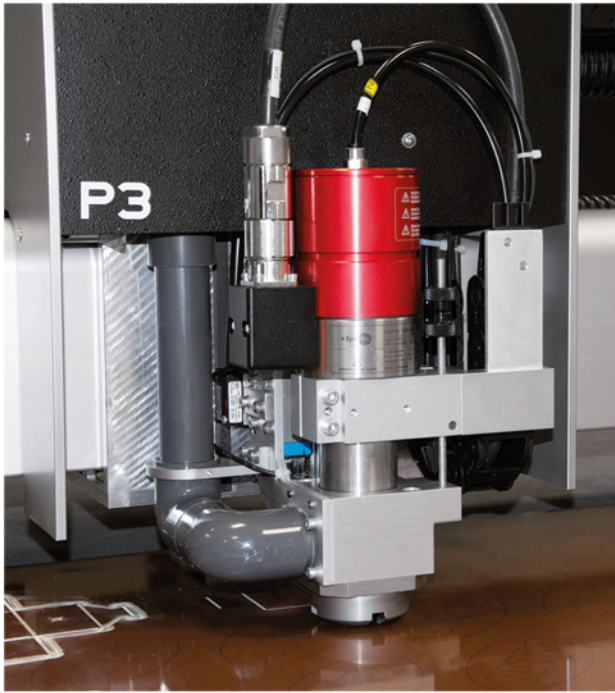
## CMS - APPLICATION EXAMPLES

- Displays
- Production of folding carton samples
- Packaging made of corrugated cardboard
- Production of corrugated cardboard samples
- Adhesive labels
- Outer packaging
- Rigid signs/promotional articles
- Flexible signs
- Foil materials
- Flexographic plates

## Dual board processing

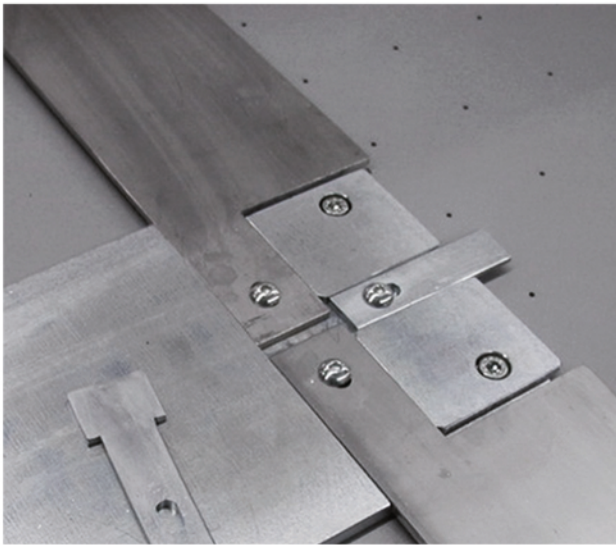
Doubles productivity and minimizes downtime: material can be fed on one side, while simultaneously being cut on the opposite side.





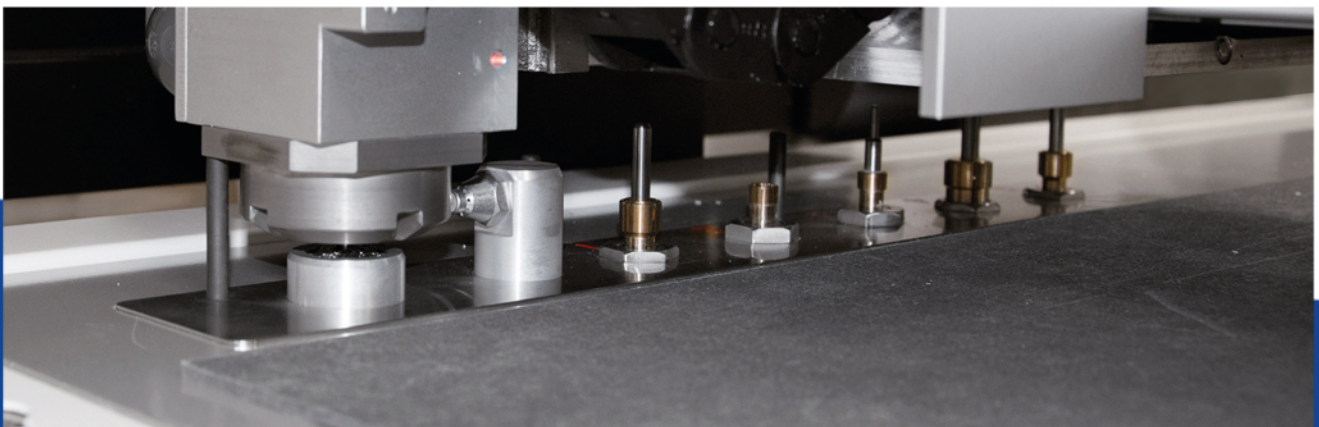
## Milling unit

The high-efficiency and high-frequency spindle (1 kW), in combination with the automatic tool changer system, ensure an optimal workflow with outstanding performance.



## Centerline

A special stop bar, which ensures a precise positioning independent of the material.



## Tool changer system

The system includes 5 freely configurable tool locations, an additionally integrated tool cleaning station and an automated tool length measuring facility. The tool holders can be used for different diameters.

# The right cut, perfectly tailored to your needs.

Regardless of what cutting and milling tasks you would like to carry out with the CMS - it is an all-rounder. To achieve this our engineers have provided the CMS with those components that are required for a consistent and superior performance in the full range of application areas: from a future-oriented tool measurement unit, including an innovative camera with OptiScout, all the way to a time-saving automatic tool changer system.



## Camera system + OptiScout

Optional, additional features include a high-tech digital camera, which makes an exact processing of contours on printed materials possible. Together with the finishing software OptiScout, an optimal integration of the workflow is achieved.



## Automatic height setting (optional)

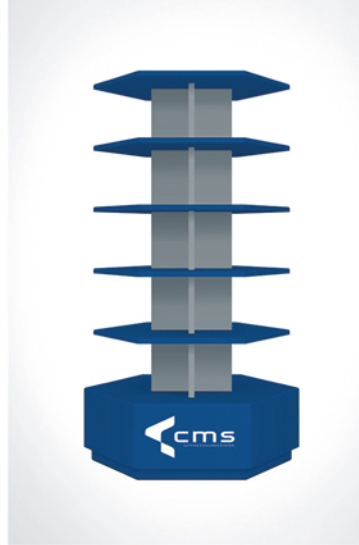
The gliding shoe, which is linked to a measuring system, makes a precise height adjustment possible during the working process.



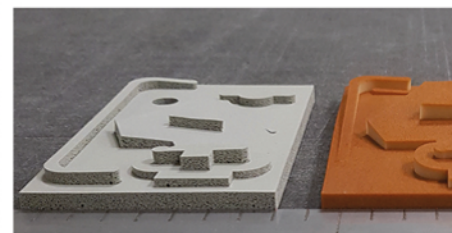
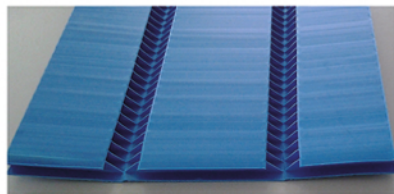
# Infinite number of materials, one right cut.

Whether it is paper, cardboard, carbon fabric, acrylic material or aluminium plates - there are few materials for which the CMS does not have an outstanding solution. Precise, reliable, especially simple in handling - the CMS is the very best of the engineering art "Made in Germany".

- Aluminium plates
- Dibond
- Foils and adhesive labels
- Rubber
- Wood
- Honeycomb
- Cardboard
- Acrylic material
- Foam plates
- Foam rubber
- Foam
- Corrugated cardboard
- Carbon fabric
- Enamelled board
- Forex
- Paper
- Transparent packaging
- Pertinax
- Steel counter plates
- Leather
- Fleece
- Twin-wall sheets









# Key technical features.

## DIMENSIONS

Type	Working area in mm*	Working area in inch*
CMS 1013	1000x1300 mm	{39" x 51"}
CMS 1613	1600x1300 mm	{63" x 51"}
CMS 2113	2100x1300 mm	{83" x 51"}
CMS 2517	2500x1700 mm	{98" x 67"}
CMS 3217	3200x1700 mm	{126" x 67"}
CMS 2520	2500x2000 mm	{98" x 79"}
CMS 3220	3200x2000 mm	{126" x 79"}

\*Reduced working area for the milling option

## TECHNICAL SPECIFICATIONS

### Accuracy, acceleration, speed

Control System:  
CNC / IPC incl. remote support

Acceleration:  
CMS 1013/1613/2113  
10 m / s<sup>2</sup>  
CMS 2517/2520/3217/3220  
4 m / s<sup>2</sup>  
Max. speed main axis 70 m/min

Accuracy:  
Repetitive: +/- 0.02 mm  
Positioning: +/- 0.1 / 1000 mm

### Power and consumption

Power supply for CMS:  
5 - 20 kVA / 400V / 50Hz  
US version:  
5 - 20 kVA / 480V / 60Hz

Milling spindle power:  
1 kW

\*Milling spindle is an option

## TECHNICAL FEATURES

- Machine does not have to be disassembled for transport
- Vacuum honeycomb table with 2-4 vacuum zones, selectable at the touch of a button
- Automatic scanning, storage and correction of table surface irregularities
- Main axes (X-axis; Y-axis) equipped with linear measuring systems
- Laser pointer for exact positioning of the tools
- Standby Position of the tools for time optimization
- Free-floating option at the end of machining for easier operation
- Any number of different working heights of the tools digitally adjustable
- Control via colour touch screen panel 10" (optional 22")
- Various zero positions set by the operator
- Machine can be integrated into the network of the company
- Predefined material database that can be edited by the operator
- Extensive service and utility programs
- Remote maintenance possible

# Always at your side for the right cut.

A highly motivated and competent service team is available to you at all times, regardless of whether you require information about CMS or need application support during operations.



## 24/7 service

Just in case, we offer you 24/7 comprehensive customer service via: [support@lasercomb.de](mailto:support@lasercomb.de), where you will find a team of experienced staff ready to help you. Immediate help and remote maintenance is also available via TeamViewer - we are always there for you!

## Worldwide customer service

Our strong distribution partner network offers worldwide service, from A as in Albania up to Y as in Yemen, regardless of whether it concerns consulting, support during machine installation, operator training or production support.

## Software-compatible

The CMS is compatible with all common data formats, and it is fully operational from the beginning. With large data files easily stored in the Cloud.

## Manufacturer warranty

A manufacturer guarantee applies to the CMS machine, which means that we assume a comprehensive warranty.





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