

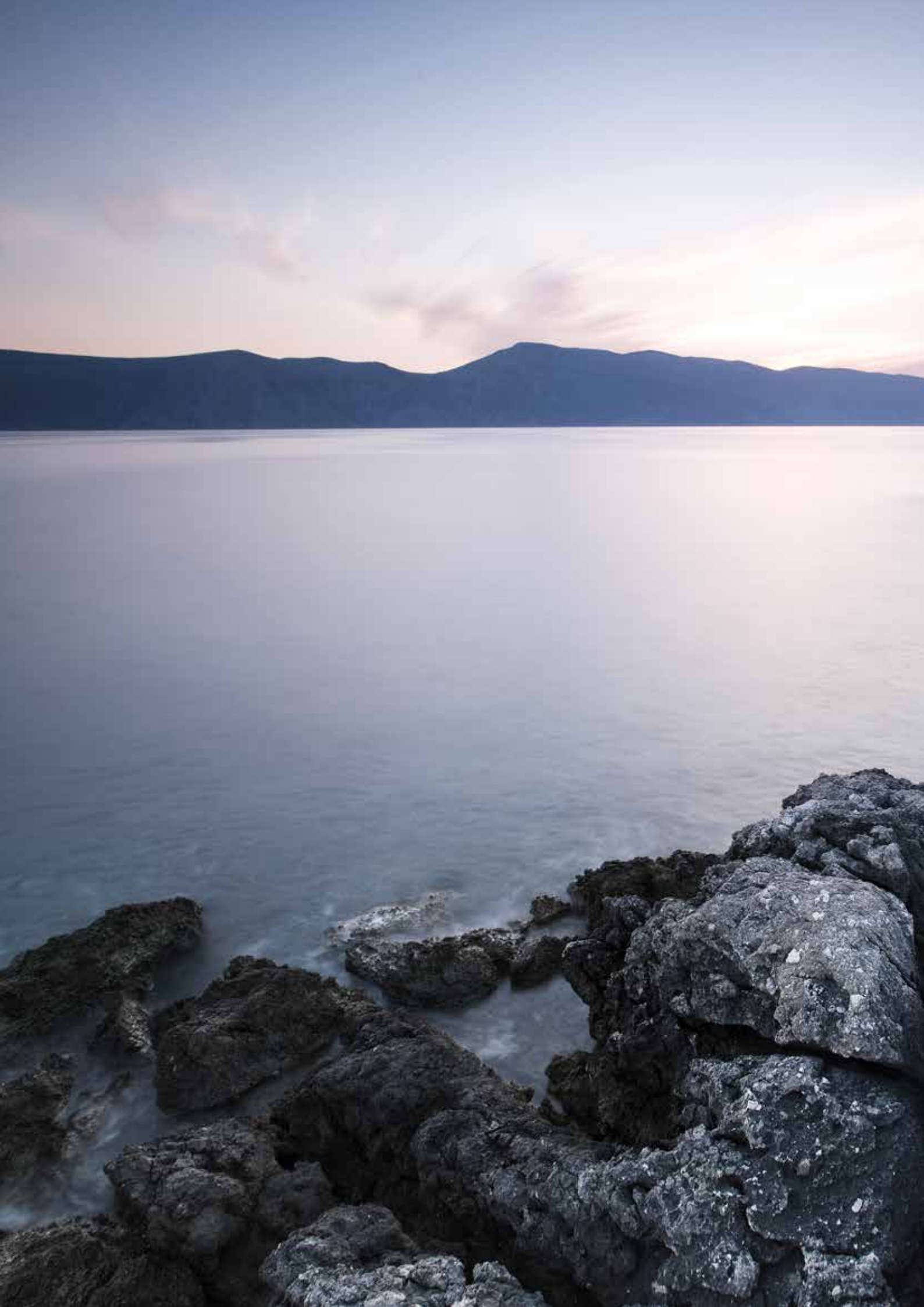


**MARBACH**

**PACKAGING.  
PERFORMANCE.  
YOU.**

English







## EDITORIAL.

The world is evolving. The packaging industry as well. As are your requirements. And those of your customers. Individualization is the slogan of the future. A product does not have only one kind of packaging. It has many. One Easter edition. One summer edition. One winter edition. And on top of that various special sizes. And all this for one and the same product.

We are all part of this evolution. You as our client. We as a manufacturer of cutting-dies. Of thermoforming tools. Of machines. And materials. As the Marbach Group. In these changing times we at Marbach concentrate on one clear goal: the best performance. For you. Your demands. And not only in the high-end segment. The best performance in every price range.

Our experienced team does everything to enhance your performance. With every process. Every thought. And every breath. For you.

You can sense it when our experts advise, support and attend to you with experience second to none. So you are in safe hands. And always one decisive step ahead. With the best performance.

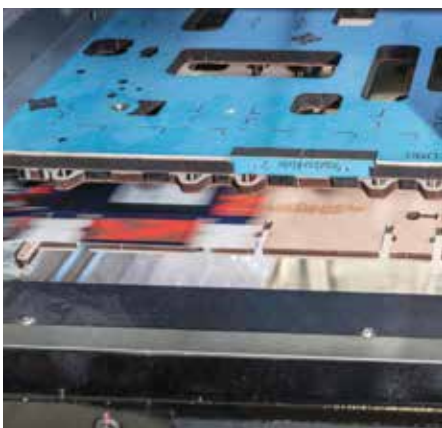
Packaging. Performance. You.  
Come with us. into a successful future.

Peter Marbach  
Owner & Managing Director Marbach Group





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# PACKAGING. WITH PASSION.

Be inspired. By stories about the packaging industry. About Marbach. And about what Marbach can make possible for you. Be excited. By the best performance. Of products made for you. Individually. With passion. With experience. Each one custom made. Be delighted. About everything we can achieve for you. With cutting-dies. With rotary tools. With thermoforming tools. Machines. And materials.

The best performance in every price range. The right solution to every challenge. This is Marbach.

## **Packaging. The benchmark of the entire industry.**

With us, you count on the company that has defined tool manufacturing for the packaging industry. Worldwide. With decades of innovation and quality leadership.

## **Performance. The maximum output.**

With every thought. With every move. And with every breath we work on optimizing your performance. Without compromise. This is why at Marbach you will find the maximum performance. In every price range.

## **You. With us, it's all about you.**

You are our focus. Our declared goal: to make your life easier. That's what our experts work for. Day by day. With unique knowledge of the industry.

Learn more online: [www.marbach.com](http://www.marbach.com)





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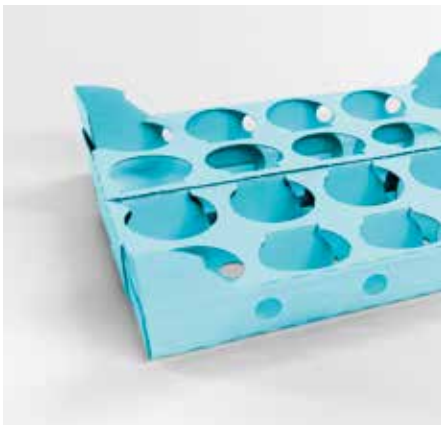
## **PACKAGING.**

One industry. One challenge.  
The right packaging for every product.

The functions of packaging are diverse.  
Like ourselves.

Flexible and customized. That describes  
not just the packaging industry. That is Marbach.

Incredible diversity of packaging.



# THE WORLD OF PACKAGING. THE WORLD OF MARBACH.

The world of packaging. That is our domain. We know what counts. How to find solutions. To realize every idea you have. With paperboard. With corrugated board. And with plastic.

## **The portfolio: Uniquely diverse**

Yoghurt cups. All made with a Marbach tool. The single cups: each separated precisely with a Marbach steel rule tool. The fitting in-mould-labels: of course made with a Marbach label die. The cups will sit on the grocery store shelf. Packaged as a container in a wrap-around sleeve from paperboard. Or individually in a corrugated crate. So nothing moves. For safe transportation. Everything cut optimally. And formed. Of course with Marbach.

We have been in this industry since 1923. We are distinguished by the incredible amount of experience and pleasure we have in our work. Our pioneering spirit. And providing a variety second to none. We employ synergies. Whenever possible. For your success. We are at home in this industry. And you can tell. Because we are never satisfied until you are. Without compromise. We listen to you. And find the right solution. For short runs. And for long runs. For every requirement.

We live in the world of packaging. And work passionately. For you. For your optimal performance.



## FROM A 3-PERSON BUSINESS. TO A WORLD LEADER.

Like a gripping novel. That is what the history of the Marbach Group is like. 1923. The economy is bad. Despite this, Karl Marbach Senior dares to start a business. The main product at the beginning: cutting knives for the shoe industry. Then an acquaintance inquires whether Marbach could also supply tools for die-cutting of letters. Not yet. But from then on Karl Marbach immerses himself in steel-rule technology. And he is successful. The new customer base: the paper processing and advertising material industry.

World War II. The company building is partially destroyed. Marbach is starting over again. Exhibiting extreme endurance, the firm is rebuilt. Karl Marbach Junior joins the company. Marbach continues to grow steadily. In 1960, Marbach adds to its portfolio of products: the first thermoforming tool. A new field of business emerges: Marbach tool manufacturing. A revolutionary decision follows as Karl Marbach hears about “cutting with light” for the first time in 1968. The idea grows. In 1972: The first CO<sub>2</sub> laser unit for cutting-die production in Europe is installed in Heilbronn. Laser technology becomes a major part of the Marbach Group’s success.

A new technology. A revolution in die-making technology. Marbach utilizes this to win new clients. Also beyond Germany’s borders. This new quality is unique to the market. 1977 the first big fair as an exhibitor. drupa in Düsseldorf. Outstandingly successful. More and more international clients order cutting-dies “Made by Marbach”.



Production in the mid 1920s.



Karl Marbach Junior.



Company Building in the 1960s.



Production in Heilbronn today.



Peter Marbach.

In the year 1984 Marbach takes a significant step. The company expands. The first branch abroad is established. In the coming years its worldwide presence grows. Step by step.

Peter Marbach joins the company in 1988 as the third generation. And brings a fresh breeze to the strategic orientation. Marbach invests in its own die-cutting machine in the early 1990s. And analyzes the die-cutting process thoroughly. From now on, not only samples for customers are diecut. But the entire industry is trained by Marbach. Even more than that: it results in numerous innovations. Many of which are industry standards today. Marbach also invests in a sampling machine for the thermoforming branch. For the safety of the customers. For optimal processes. And for the best performance. In 1994, the first cutting segments for rotary tools are produced. Shortly after, the business unit rotary tools for tobacco packaging is developed. Then an unusual strategic decision in the late 1990s: An interesting conclusion. The sale of Marbach machines. Not only to Marbach Group companies. But to the general market as well. The result is the Marbach Automation branch. Marbach starts to sell materials simultaneously. Under the name of Marbach Die Supplies, customers worldwide are supplied with die-making materials.

The following decades are characterized by worldwide growth. In Eastern Europe. In the United States of America. In Southeast Asia. And by the increasing collaboration with partners around the globe. Marbach expands its portfolio with embossing-dies in 2000. This makes Marbach one of the few companies that can provide die-cutting tools and embossing-dies from one source.

In 2008 the new headquarters building is completed in Heilbronn. New factories at our subsidiaries around the world follow. Optimizing processes. And minimizing energy consumption.

Content employees. Excited customers. A unique success story. Continuously growing. At over twenty locations. With numerous partner-ships. Around the world. The Marbach Group. With over 1,300 employees. More than 10% of which are apprentices and trainees. All of them stand for: best performance. Yesterday. Today. And in the future.



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CE.



## **PERFORMANCE.**

Unique performance.  
That is our claim. Our focus.

For your safety. So you can relax. Lean back.  
And breathe. With Marbach.

Because we have the right solution for you.  
The best performance. In every price range.



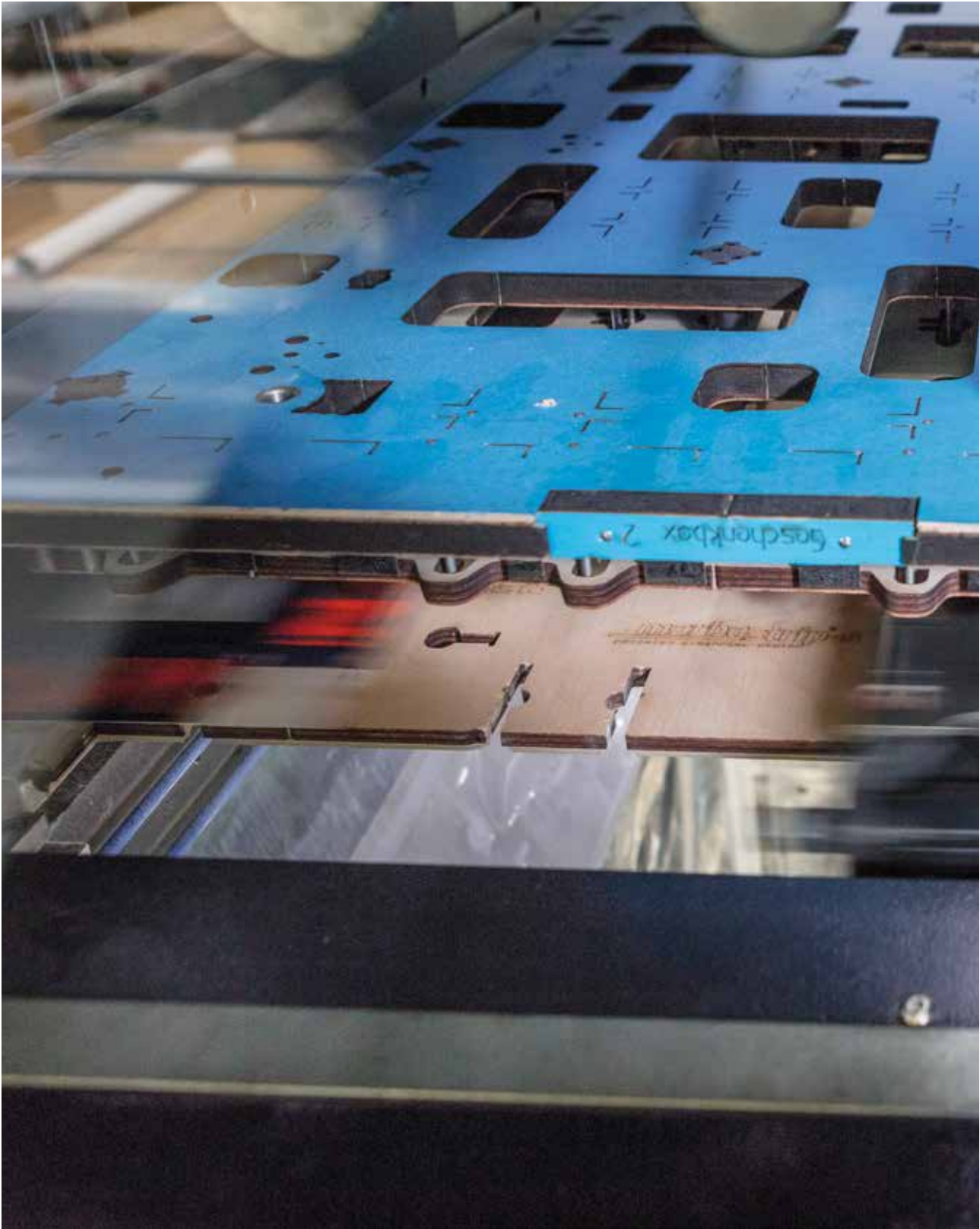
# MARBACH. FOR YOUR PERFORMANCE.

We ensure your performance. With the advanced technology of a world market leader. With inventions that become industry standards. Because we develop them from your needs. For you.

We consistently take this path. Without compromise. For decades. For our joint success.







## PURE PERFORMANCE. IN ALL AREAS.

You seek performance. While producing your packaging. From paperboard. From corrugated board. From plastic. Performance at the point of sale. While setting up. While filling. While sealing the packaging. While printing. While cutting. While gluing. While manufacturing cutting-dies. While laser cutting. While milling and knifing of tools. While thermoforming various plastics. No matter what level of the supply chain you are at. Performance is what counts for you. And us? We have been performing. For almost 100 years.

You have a new die-cutting machine and want to produce at maximum speed. 12,000 sheets per hour. No problem with Marbach tools. 1,000 cigarette boxes in one minute. Form. Glue. And fill. It works. No exceptions. If the blanks are cut with Marbach tools.

You need small quantities. We have the fitting tools for that as well. Inexpensive. Simple. No frills. But still the best.

We understand the nature of paperboard. And all its facets. Even when the world is turning. Rotary dies

at 300 m/min on gravure presses. We make it possible. For more output. For your clients. For your success.

Producing cutting-dies is an art. We know that. That is why we make it easier for you. With machines made by Marbach. Lasers. Milling machines. Water jet machines. Hand tools. All are tested. By us. In everyday production. For best performance.

When investing in a machine you lay the foundations. We deliver the perfectly suitable thermoforming tool. Easy to operate. And to set up. Exceptionally light. Outstanding speed. Pure performance. Beat by beat. Cup by cup. For a long tool life. 3,000 cups per minute. For weeks. For years. Every day.

Ultimately we all want the same thing: to offer our clients the service they expect. And then overdeliver. With something exciting. For packaging that is more than presentable. Made of paperboard. Of corrugated board. Of plastic.



YOU.

## YOU.

Breathe for a moment.  
Relax. You are with Marbach.

That means: you have made the right choice.  
For yourself. For your client. For your budget.  
For the best performance.

But most of all for outstanding advice.  
And for service that satisfies your needs.





## IN THE BEST HANDS. PROFESSIONAL CONSULTING AND SERVICES.

We are at your side. From initial contact. Through the ordering process. To delivery. And beyond. After your purchase we are there for you. Our consultants and field technicians are there to support you every step of the way.

Experience. Passion. And joy in what we do. That is what distinguishes our employees. It is this combination you feel when first getting in contact with us. It excites you. Because our service does not end with your order. It continues. Until you hold the product in your hands. And beyond. Until you are delighted.

Experienced Marbach consultants advise you from the start. What are your requirements? How can the package layout be implemented in the best way? Which tool package makes the most sense? Which technique do we recommend?

In this way you will have the peace of mind ordering the tool that best fits your needs. For results that not only convince your customers. But delight them.

And we don't stop there. We are there for you after you have placed the order. You will be supported by our exclusive Marbach network. Throughout the entire ordering process and beyond. Our skilled service technicians will assist you. On site. Worldwide. Because it is important to them that you are in expert hands. Prompt and proficient.

# LOGISTICS. PERFECTLY TRANSPORTED.

When it comes to logistics we don't believe in chance. You always get what you expect: the ordered product at the right time. In the best quality. Worldwide. Supplied by us.

That is why in our warehouses we have all important materials in stock at all times. Almost 6,000 items. In over 4,000 m<sup>2</sup> of storage area. Our stock is constantly monitored. Orders are placed automatically. For consistent availability.

So how does the finished product get to you? It is carefully packaged by our shipping department. The delivery: via Marbach transport. Via shipping agency. Via air freight. According to your schedule. Even over night. And we are also a certified known consignor. So you can benefit from fast customs clearance. In order to send materials overseas we rely on container shipments. We load the containers here on site. Your advantage: various materials. In one container. Saves you freight costs. And time.

Perfectly packaged. And shipped quickly. That is how we do logistics at Marbach.





## TAKING CARE OF THE FUTURE. CORPORATE SOCIAL RESPONSIBILITY.

As a family owned business we take responsibility for the coming generations. Sustainability has shaped our corporate philosophy. For many years.

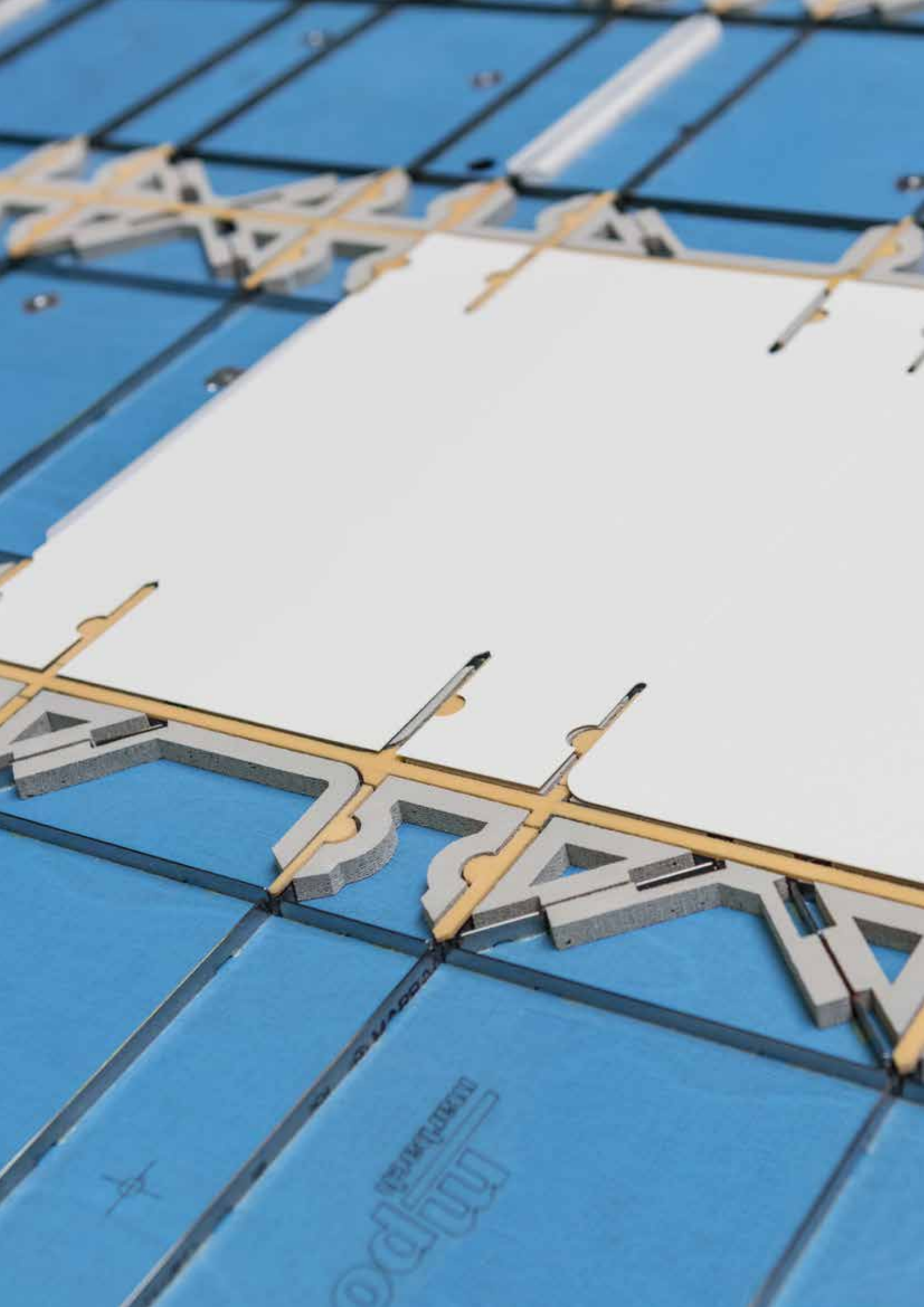
We contribute actively to the protection of our environment. With products like the “greenplate”. And further programmes such as solar power. With photovoltaics.

Today our activities are documented in a CSR report. Not just the environmentally-friendly activities. Also the social ones. And economic ones. CSR is a vital part of our corporate strategy. With the CSR report providing the guidelines.

With specific sustainability activities we remain at the forefront. Reorientating ourselves time and again. Reviewing our values. Adjusting them. And improving. For your benefit. And for the benefit of generations to come.

Acting to extend and further environmental sustainability is a core value for the Marbach Group. And the very personal concern of Peter Marbach.





## MARBACH TOOLS. PLAY IT SAFE.

Safety plays a big part in packaging. That means rigorous requirements. For the packaging designer. For the packaging manufacturer. For the die-maker. For the carton supplier. For the machine. And of course for you.

Your demands on us are diverse. From very simple to quite complex. From pharma to cosmetics to food and tobacco packaging. Product safety plays a big part in all sectors. For us as well. Because our tools come into direct contact with packaging. Parts of a cutting tool in food packaging. Or sanding dust. Splinters. Wood chippings. It must never happen. The topic of product safety is a priority for us here at Marbach. Not only our advanced assembly processes ensure this. Special fastening technology secures any components installed in a tool. For a smooth manufacturing process. But that is not all. With our specifically developed die-cutting tool marbaclean

we meet the highest standards of hygiene for you. Up until now everyone has concentrated on the packaging materials. Regarding hygiene. And the end product. But what about the tools that make the packaging? This is also an integrated part of the manufacturing process. It can cause contamination. We prefer to be on the safe side. That is why Marbach has a special hygiene tool. marbaclean is equipped with special safeguards and materials for the food industry. Certified. So you can be safe. Even for highest hygiene requirements.



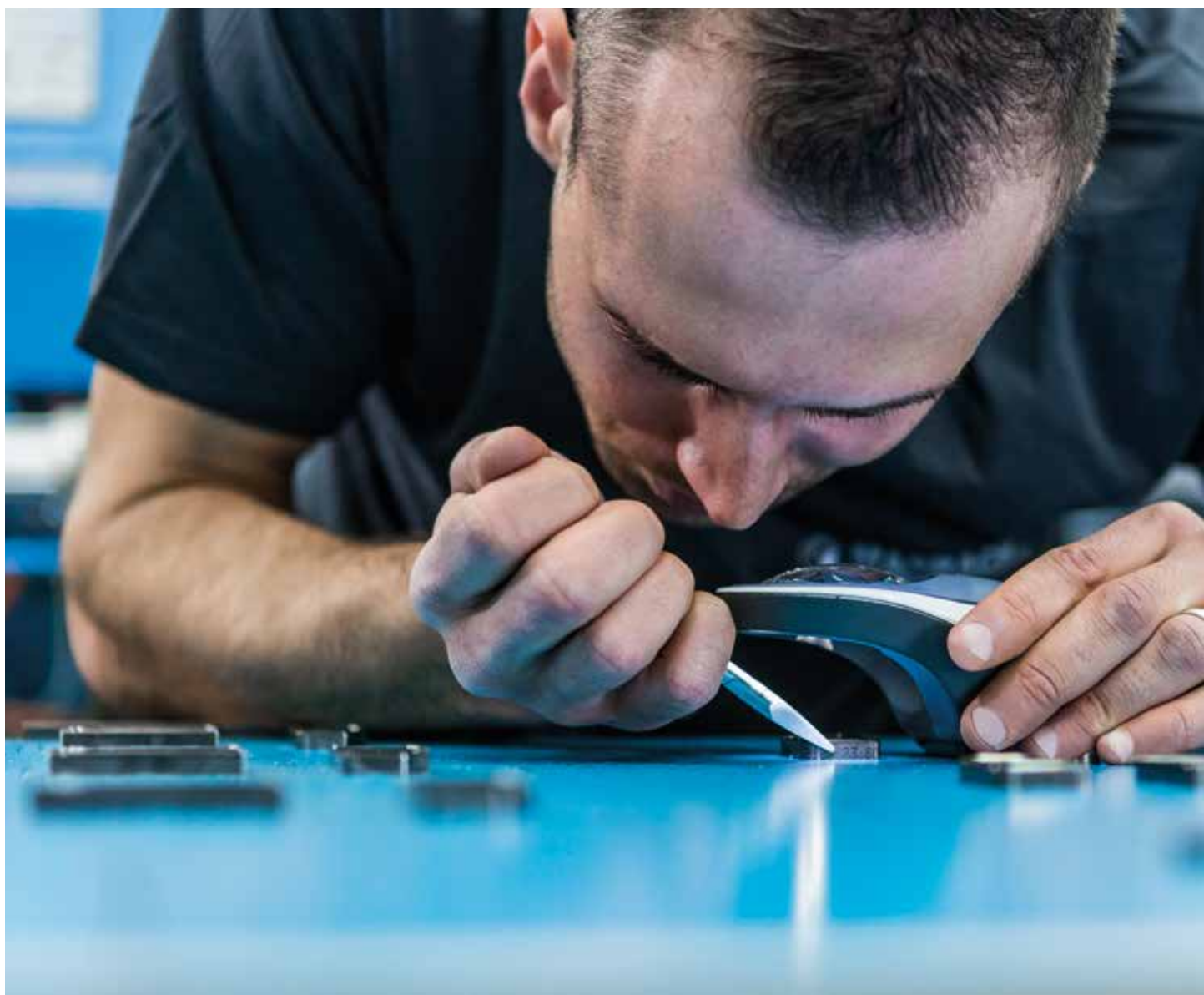


**PRODUCTS.**  
FOR THE BEST PERFORMANCE.  
IN EVERY PRICE RANGE.



## **CUTTING-DIES FOR PACKAGING.** EXCEPTIONAL PERFORMANCE. CUT PERFECTLY.

Without die-cutting there can be no packaging made from carton. Or corrugated board. You need a cutting-die that fits all your needs, so your packaging is functional and appealing at the same time. This depends on many factors. The right dieboard. The optimal knifing techniques. Choosing the best cutting rule. The correct rubber. And of course the required special applications. Like embossing. Or reverse cutting. Always tailored to the package design.





Eye catcher at the point of sale.



You are on the safe side with our tools. Technologies for highest performance. And completely convincing results. Turning your packaging into what you wish for: an eye catcher at the point of sale.

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total precision

---

maximum productivity

---

simply beautiful packaging

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## DIEBOARDS. THE BEST FOUNDATION.

We at Marbach have the fitting solution. Starting with the dieboards. For standard requirements there is our multiplex wooden dieboard. And the Marbach greenplate. With this sustainable dieboard you not only produce great packaging. You help the environment. We also have solutions for more exacting requirements in terms of lifespan and dimensional stability. With materials like duramar, solidplate and aluminum.

Working on our dieboards, nothing is left to chance. Depending on the material, the slots are cut by waterjet or by laser. With up to 200,000 Hz our laser machines shoot energy pulses into the wood. It evaporates. Within fractions of a second. Resulting in precise circles. Lined up thousandfold they create a piece of art. With precision and force. The pulsed laser cut.

Our standard dieboard is made out of multiplex. From the highest quality birch wood. But why birch? The slow growth in cold Nordic forests makes birch very rigid. And consistent. Perfect to cut by laser. The ideal base material for our cutting-dies. 13 birch wood veneers are laminated crosswise to build the 18 mm multiplex dieboard. For best stability and longevity. An optimal balance between price, weight and accuracy.

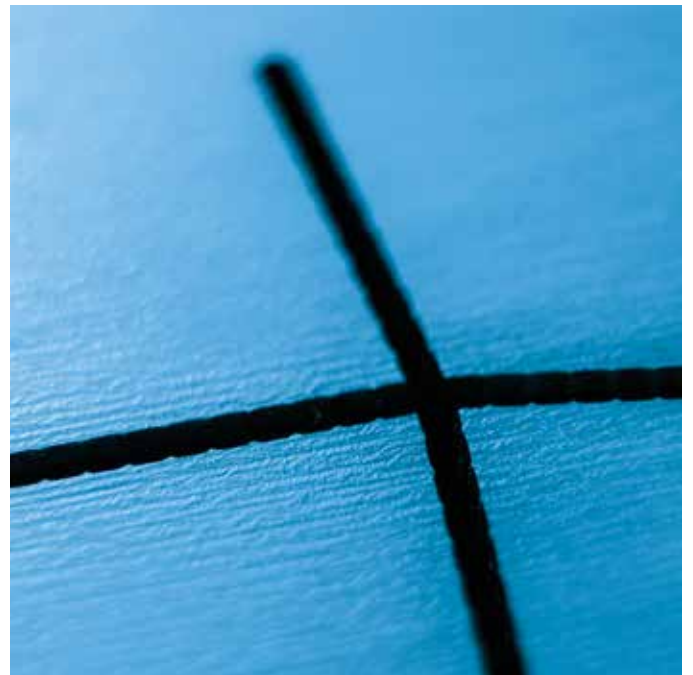
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Wooden dieboards. Various types and sizes. [www.shop.marbach.com/en](http://www.shop.marbach.com/en)

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Dieboards for every requirement.  
At the top our standards:  
Multiplex and greenplate.

The pulsed laser cut.





## greenplate.

THE ENVIRONMENTALLY FRIENDLY ONE.

environmentally friendly

sustainable

great technical features



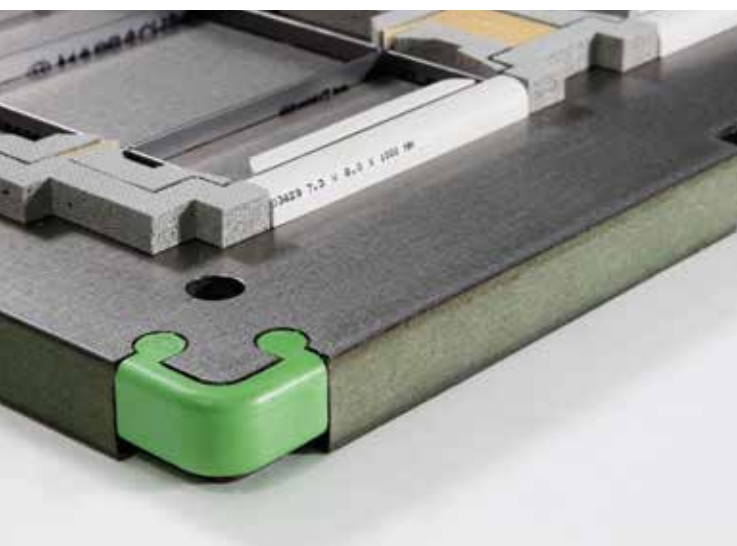
The Marbach greenplate distinguishes itself through ecological sustainability. It consists of 30% of the primary resource: birch wood. 70% are made from environmentally friendly secondary material, from the sustainable forest industry. The greenplate is subject to only minimal height tolerances. For that reason it is a great choice for applying embossings. And braille. Due to its flatness, all ejection rubber is perfectly leveled in height. For optimal pressure conditions.



dimensionally stable

robust

multiple reknives



## solidplate.

THE ACCURATE ONE.

The proven greenplate core between two steel plates. This is the base of our solidplate dieboards. This design allows a fast and easy rubber exchange. The solid plate is the entry-level model in the field of dimensionally stable dieboards. It reveals its greatest strength if stable dimensions and a long lifetime are important to you as well as an affordable price.

## duramar.

THE DURABLE ONE.

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very durable

---

absolutely precise

---

resistant to environmental factors

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duramar dieboards are a combination of fibre-reinforced plastics and steel. Therefore they are not hygroscopic. They distinguish themselves with great dimensional stability and an extremely long life span. They are available in the variations eco, plus and performance. duramar dies convince through frequent reknives and excellent register accuracy. Even with large machine formats. For optimum creasing results.




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for special requests

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heated

---

hygienic

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## alu.

THE INDIVIDUAL ONE.

Special demands require special tools. The Marbach alu dieboard is impressive because of its high thermal conductivity. For that reason the alu dieboard is a perfect fit for heated die-cutting. For cutting and creasing plastic. Not only that: its material characteristics make it the ideal choice for highest requirements in terms of hygiene.

## KNIFING. THE RIGHT RULES.

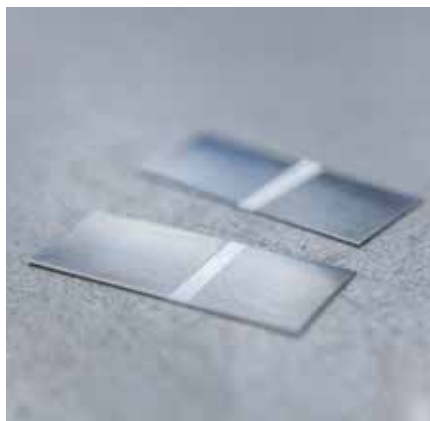
Our experienced employees knife each cutting-die with utmost care. At Marbach we only use quality rule material. It is manufactured, developed and tested according to our standards. Our modern machine park ensures that our knives are precisely cut to length, ground and bent. But not only this makes the difference. Our assembly techniques are one of a kind. With channel grinding. And angle grinding. Stress-less knifing. This way you can achieve the best performance. Because a cutting-die can only cut as well as it is built.







Marbach hydraulic bender.



Rule pieces after channel grinding.



Marbach angle grinder.



Marbach has developed different types of rules. Depending on your order, we will find the fitting rule for the material that you need to cut. We have the right solution for every material. For paperboard. For corrugated board. For foil laminated and coated materials.

Our offer goes even further. We can deliver fully equipped work-places for your own die-making department. With the experience of almost 100 years in the die-making industry.

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**shortest make-ready times**

---

**perfect cutting results**

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**maximum lifetime**

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## NICKS. FOR OPTIMAL SHEET TRANSPORT.



Fine nicks. For a clear design.



Cutting rule with nicks.

Nicks make the difference. They determine the performance. Nicks ensure a smooth transport of the sheet through the die cutter. And therefore determine if you can run the machine on half or full speed. Whether your blanks are waste-free. Or not.

Packaging without any nicks? That is seldom possible. But: We have the experience and special Marbach technologies to best position the nicks. As delicately as possible. And only as many as needed.



The nick changing system case for corrugated applications.  
Exchange nicks as needed.

Rule pieces with various  
nick configurations.



Stationary CNC nick grinder.



Mobile nick grinder mafix.



marbanick.

Transport nicks should always be ground in. For maximum stability. Best done by us. With the Marbach CNC nick grinder. Or if necessary on site at your factory. With the mafix.

The solution for a later optimization of stripping nicks is our marbanick. Defined strength. For very fine nicks. Unique. The bestseller in our web shop.

Flexibility is important when it comes to nicks. That's what the nick changing system for corrugated applications is for. With it, a cutting-die can be perfectly set-up for different material characteristics in the least possible time.

# CUTTING RULES.

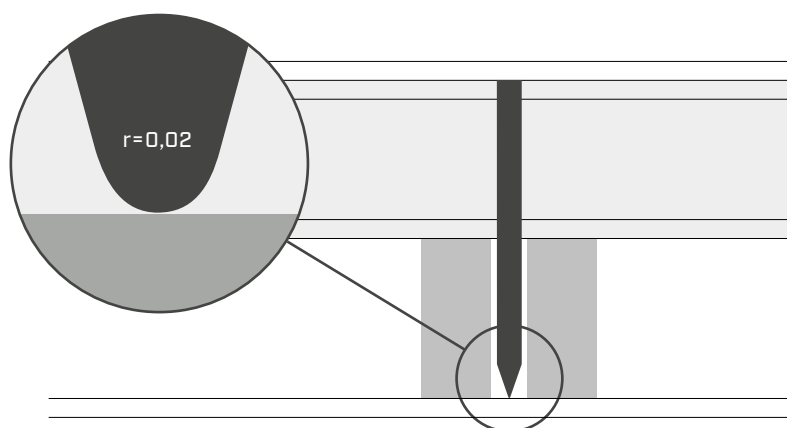
## PIECE BY PIECE. OR BY THE COIL.



For perfect cutting results, the rule material is of utmost importance. What are your requirements for the cutting-die? Which material are you cutting? Marbach uses different types of rule depending on your application. A comprehensive portfolio for any objective. For every need. Small or large runs. It doesn't matter what is being cut: coated or uncoated material. Plastic. Foam. For every application the matching rule. We would be glad to advise you. Entirely individual. From the start. For the best performance.

### **mpower. The original.**

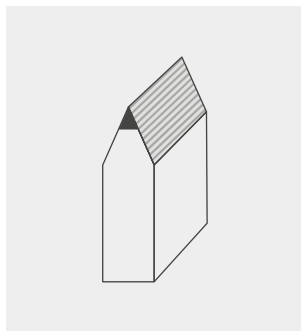
One standard. Developed by us. The mpower cutting rule. The reason: a rounded cutting edge. Absorbing tolerances. Eliminating angel hair. Almost immune to over pressure. For the shortest make-ready times. For the highest cutting performance. From the first to the last sheet.



**Item No. 01212** body hardness: 380 HV | edge hardness: 670 HV

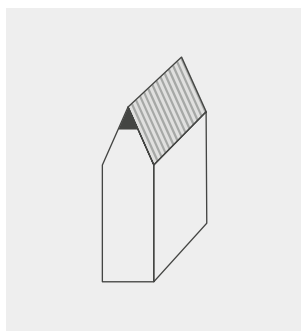
The Marbach principle mpower. A rounded cutting edge results in highest cutting performance.

## Cutting edge



### Shaved cutting edge

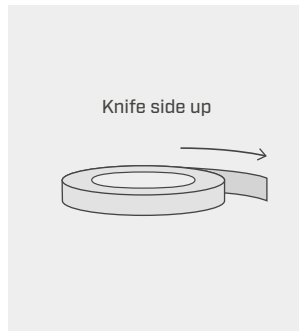
Precisely processed.  
Reliable over many years.  
The standard.



### Ground cutting edge

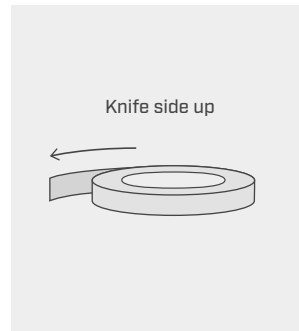
Precise cutting edges.  
Reduced cutting pressure.  
Penetrates easily through the material.

## Winding direction



### Clockwise

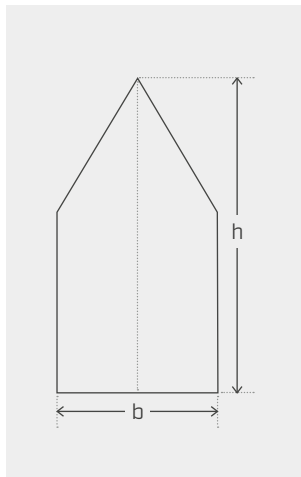
The correct winding direction.  
For your bending machine.  
And your application. Clockwise.



### Anti-clockwise

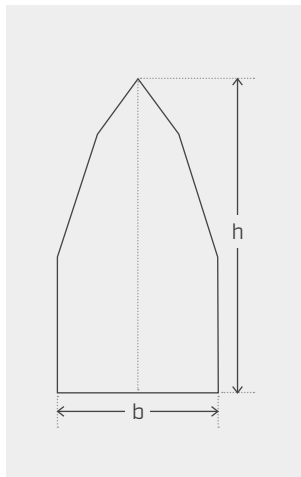
The correct winding direction.  
For your bending machine.  
And your application. Anti-clockwise.

## Cutting edge geometries



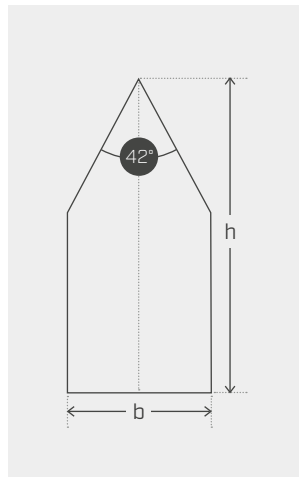
### D – center bevel

The standard for cutting paperboard. Also available as side bevel.



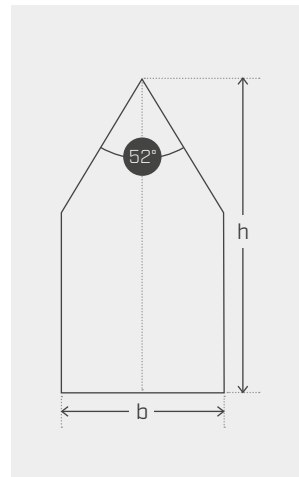
### D4 – long center bevel

For thick materials. The standard for corrugated board. Also available as side bevel.



### 42° cutting angle

The cutting rule penetrates easily into the material. Lower cutting pressure is needed. The standard in America.



### 52° cutting angle

The cutting rule is very robust. It has a long life span. The standard in Europe and Asia.





## msoft

THE SIMPLE ONE.

msoft does not have a hardened cutting edge. The best choice for simple cutting-dies with a shorter life span. And small runs. Its strength is in the easy processing during the cutting-die assembly. And its price advantage.

**Item No. 10463** body hardness: 440 HV | edge hardness: 440 HV



## mhard

THE HARDENED ONE.

mhard has a hardened edge. The advantages of mhard: it distinguishes itself by providing a long lifespan and high stability. With little abrasion. The mhard is a great fit for medium runs.

**Item No. 00985** 2pt | body hardness: 390 HV | edge hardness: 640 HV

**Item No. 01073** 3pt | body hardness: 340 HV | edge hardness: 640 HV



## msilver

THE CHROMED ONE.

msilver has a chromed surface. And a 42° cutting edge. For extra sharp cuts with low friction. With the special cutting angle, a lower cutting pressure is sufficient. For a long lifespan. Works great for cutting plastic foils. Foil laminated cartons. And other critical materials.

**Item No. 00984M** body hardness: 390 HV | edge hardness: 750 HV



## mgold

THE SPECIAL ONE.

The special cutting rule mgold. Impressive hardness. mgold has a 42° cutting edge. Therefore it is very sharp and works perfectly for cut scores. mgold is optimal for long runs and critical material. Also for cutting metalized cartons and thin metal foils.

**Item No. 20011** body hardness: 340 HV | edge hardness: 700 HV



## mpower|+

THE STRONG ONE.

Full cutting power. Next to no patching. With the mpower|+ cutting rule. Its rounded cutting edge can handle high cutting pressure. Its elastic body easily absorbs unevenness. Exclusively in the mpower|+ package.

**Item No. 04008** 2pt | body hardness: 380 HV | edge hardness: 670 HV

**Item No. 02531** 3pt | body hardness: 340 HV | edge hardness: 670 HV



## mpower|s

THE DURABLE ONE.

mpower|s. For very special requests. mpower|s has the same cutting geometry as mpower. mpower|s is very hard and therefore resistant to abrasive wear and tear. This makes it very durable. Its main use: die-cutting of cosmetic packaging and corrugated board.

**Item No. 10084** 2pt | body hardness: 390 HV | edge hardness: 700 HV

**Item No. 10085** 3pt | body hardness: 340 HV | edge hardness: 700 HV

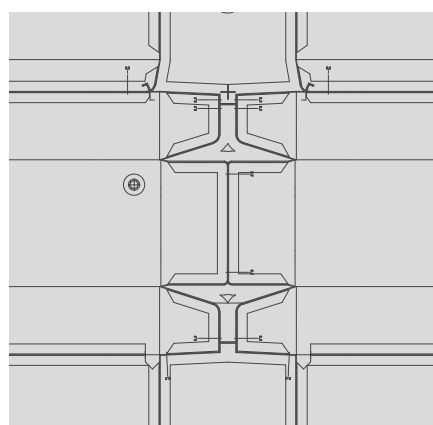
## RUBBERING. FOR SMOOTH PRODUCTION.

The best rubbering ensures optimal holding down and ejection of the diecut substrate. The result: High productivity and smooth production processes. Therefore rubbering is an essential part of the cutting-die. The process starts with the design of the rubber. And it ends with choosing the correct material. We cut the selected rubber with our specially developed waterjet machine mjet. So that it is perfectly fitted to the contours of the cutting rule. And very functional.





Waterjet cutting with mjet.



For the selection of the rubber you can rely on us. With decades of experience we know which rubber has the best effect at which position. For highest productivity in your die-cutting process. Our knowledge of materials also sets us apart. Not only diverse. But individual.

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fitted to contour

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smooth production process

---

perfect protection of the nicks

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# RUBBERING. PAPERBOARD.



Different paperboards require different rubber. The diecut contour plays a major role when choosing the right rubber. To achieve optimal functionality the rubber has to be specified individually and matched to the requirements of each order. The rubber materials used by Marbach are very diverse. And they are all from carefully selected suppliers. Most of them are produced exclusively for Marbach. This ensures you greatest durability and best functionality.

## Rubber sheets\*

| Item                            | Item No. | Application               | Hardness         | Thickness |
|---------------------------------|----------|---------------------------|------------------|-----------|
| Cell rubber, one side with skin | 03074    | Cutting rule              | approx. 15 shore | 7 mm      |
| Moos rubber                     | 03044    | Cutting rule              | approx. 35 shore | 7 mm      |
| Vulkollan®                      | 03007    | Cutting rule, tight slots | approx. 45 shore | 7 mm      |

## Rubber profiles

| Item                         | Item No. | Application          | Hardness         | Thickness |
|------------------------------|----------|----------------------|------------------|-----------|
| Marbach cork profile         | 03431    | Common knives, nicks | approx. 65 shore | 7 mm      |
| Marbach white rubber profile | 03429    | Common knives, nicks | approx. 70 shore | 7,3 mm    |

\*Rubber sheets are also available in stripes, with and without adhesive foil.



## RUBBERING. CORRUGATED BOARD.



Die-cutting corrugated board requires the perfect match in terms of rubber. Ask us. We know what kind of rubber needs to be used and where. Marbach has the special kinds of rubber that will make your manufacturing process even more productive. So that your corrugated blanks will be ejected perfectly. Waste-free. Without marks.

### Rubber sheets\*

| Item                  | Item No. | Application        | Hardness         | Thickness |
|-----------------------|----------|--------------------|------------------|-----------|
| Cell rubber softpower | 03143    | Cutting rule       | approx. 15 shore | 11mm      |
| Vulkollan®            | 03259    | Large waste pieces | approx. 40 shore | 9,5mm     |
| elastopower           | various  | Ejection           | various          | various   |

### Rubber profiles

| Item                          | Item No. | Application                 | Hardness         | Thickness |
|-------------------------------|----------|-----------------------------|------------------|-----------|
| Marbach profile rubber B2     | 03517    | Creasing rule               | approx. 50 shore | 7,5mm     |
| Marbach profile rubber C3     | 03518    | Creasing rule with channels | approx. 50 shore | 7mm       |
| Marbach profile rubber, white | 09399    | Cut crease rule             | approx. 75 shore | 9,1mm     |

You can find a complete overview on our rubber sample card. Request it at [die-supply@marbach.com](mailto:die-supply@marbach.com) or at [www.shop.marbach.com/en](http://www.shop.marbach.com/en)



# FINISHING. IMPRESSIVE PACKAGING.



An eye catcher at the point of sale.  
Whether it is pure edge,  
embossing or reverse cuts –  
Marbach is the right place for you.

Packaging. Just like a piece of art. It stands out. It tells a story. It sells the product at the point of sale.

What is the secret? It's the finishing. It makes it one of a kind. We not only offer cutting-dies. But also embossings. Made on CNC milling machines. And on the latest laser engraver. For the very fine details. Concentrated embossing expertise. Decades of experience in die-making. Everything from one source. For short distances. And fast delivery times. You have the guarantee that everything fits perfectly.

It doesn't end there. You will distinguish yourself from other companies by using our technologies such as reverse cuts or pure edge for corrugated packages. Incomparable tools. With incomparable results. What makes the difference are our many years of experience.

Unpacking is a wonderful experience with highly finished boxes. It appeals to the consumer's senses. With absolute beauty. Highest quality. And best functionality. A breathtaking result.



# EMBOSSING. FOR EXTRAORDINARY PACKAGING.

Embossing turns packaging into something very special. Embossing. Debossing. 2D or 3D. There are endless possibilities. We will find the right design for you depending on your customer's requests.

Embossing in one or two work-steps. We have the proper tools. We will advise you from the start. Also for hot foil stamping we are the right partner. With our marbafoil stamping technology you will achieve exceptionally finished packaging. And our thinplate technology provides the highest efficiency for the production process. On repeat orders you will be incredibly fast and you will save valuable set-up time. For your success.

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Embossing. In perfection. The movie. [www.marbach.com/emb](http://www.marbach.com/emb)

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|                    |
|--------------------|
| finished packaging |
| short set-up times |
| customized design  |

Die-cutting and embossing in one pass.  
Or in two. With an embossing dieboard.



## REVERSE CUTS. BEAUTIFULLY PRESENTED.

A lot of packaging contains tear perforation. These can often interfere with the design and aesthetics. Or they may let dust into the package. Reverse cut technology can help in these cases. Both sides of the carton receive a half cut. For that reason the package stays sealed. And appealing. The result is an opening mechanism, which continues to look attractive. We at Marbach have used this technology for decades. We have mastered the reverse cut to perfection. But of course we are experts in all other perforation mechanisms as well. So that you will always produce what your customer expects.

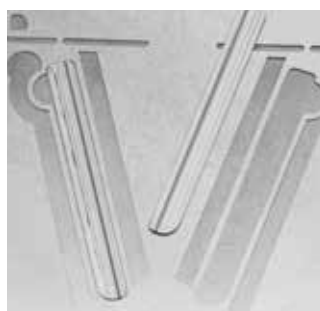


Optimal opening mechanisms. Functional. And beautiful.

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Reverse cuts. For excellent opening mechanisms. The animation. [www.marbach.com/rc](http://www.marbach.com/rc)

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Cutting-die and steel counter plate. For reverse cutting.



## pure edge.

THE HANDSOME ONE.

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clean visible edges

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consistent results

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very durable

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Attractive packaging made out of corrugated board. With flawless visible edges. That is what you get with the Marbach pure edge technology. pure edge is replacing functional rubbering with steel. For optimal compression of the corrugated board. Perfect cutting. No dust. No angel hair. Less wear and tear. And therefore more consistent results. Over an incredibly long period of time. Your benefit: no waste. And no production stops because of worn-out parts. Pure edge. Simply beautiful.




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customized

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perfectly fitted

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quick and easy

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## Register adjustment.

THE VARIABLE ONE.

Exceptional challenges require exceptional solutions. Costly printing techniques and foil laminations are often used in the cosmetics industry. A high degree of finishing can cause the sheets to warp. The print layout may no longer fit to the die-line under such circumstances. We have a special solution for this case: the register adjustment. The technology allows a fast and easy tool adjustment so that the print lines and the die-lines perfectly align together.

# Nick changing system.

THE FLEXIBLE ONE.

---

shortened start-up phase

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multiple rule changes

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no grinding dust

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Flexibility in its ultimate form. You can react rapidly to changing conditions in the material with our Marbach nick changing system for corrugated board. Depending on the condition of the board you will need a varying amount of nicks. Thanks to the Marbach nick changing system you can adjust your dies in almost no time. Without grinding nicks. Without dust. Very hygienic. The system comes in a handy case.




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flexibly interchangeable

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built in perfectly fitted

---

adjustable to the print image

---



# Exchangeable windows.

THE COMPATIBLE ONE.

Often the windows are the social point in a package. In all forms. Custom made. Adjustable to the print image. Interchangeable as required. A different window every day. Flexibility is the motto. Your advantage: you don't have to invest in new tools. You are in safe hands with Marbach: we set up the exchangeable windows in the right position. Using the engraved scale, you can do individual and comfortable adjustments. The windows are exchangeable in no time. With perfect alignment to the print.



# BRAILLE. PERFECTLY PRONOUNCED.



marbabraille. For perfectly embossed braille dots.

Braille embossing. It's unimaginable to live without it in to-days pharma industry. Because pharmaceutical boxes must be equipped with braille in most countries. This is a challenge. On the one hand, the aesthetics of the packaging must not suffer. On the other hand, the dots need to be embossed strongly enough so that a blind person can feel them.

We have taken up this challenge. Many years before braille became mandatory. The result: the marbabraille technology. It ensures an optimal embossing of the braille dots. The universal female embossing plates use Marbach's patented elastic embossing technology. For the best embossing result. Another advantage: the marbabraille females come already set up to height. With special shim foils. Ideally shimmed for your cutting-die.

The male embossings on the counter side can be quickly and easily inserted. And exchanged. They are available in several versions. So we can individually meet your needs. The fastest way to switch braille plates is by using the patented marba-quick technology. With this system, magnetic braille plates can be exchanged instantly. Without the need for adjustments. So that you can better use your valuable time. For your performance.



# Crease plate die.

FIRST CREASING. THEN CUTTING.

A perfect carton should have perfect folding mechanisms. Creasing rule is used to make a carton fold. Flawlessly. But creasing rule sometimes reaches its limits. Usually when absolute accuracy or many creases next to each other are needed. Therefore we provide you with Marbach crease plate dies. The creasing doesn't happen with creasing rules. But with highly precise creasing plates. CNC-machined. With an elastic base. And creasing edges protruding over the cutting rule. This leads to first creasing. Then cutting. This means less tension on the paperboard sheet during the cutting process. For superior looking cutting edges. Small nicks. Highest accuracy. For perfect creases when the requirements are extremely high. Even at the smallest crease distances, extraordinary creasing results are guaranteed. And best of all: your diecut blanks are prepared optimally. For fast processing in the packing machine. Perfect creases. With the Marbach crease plate die.

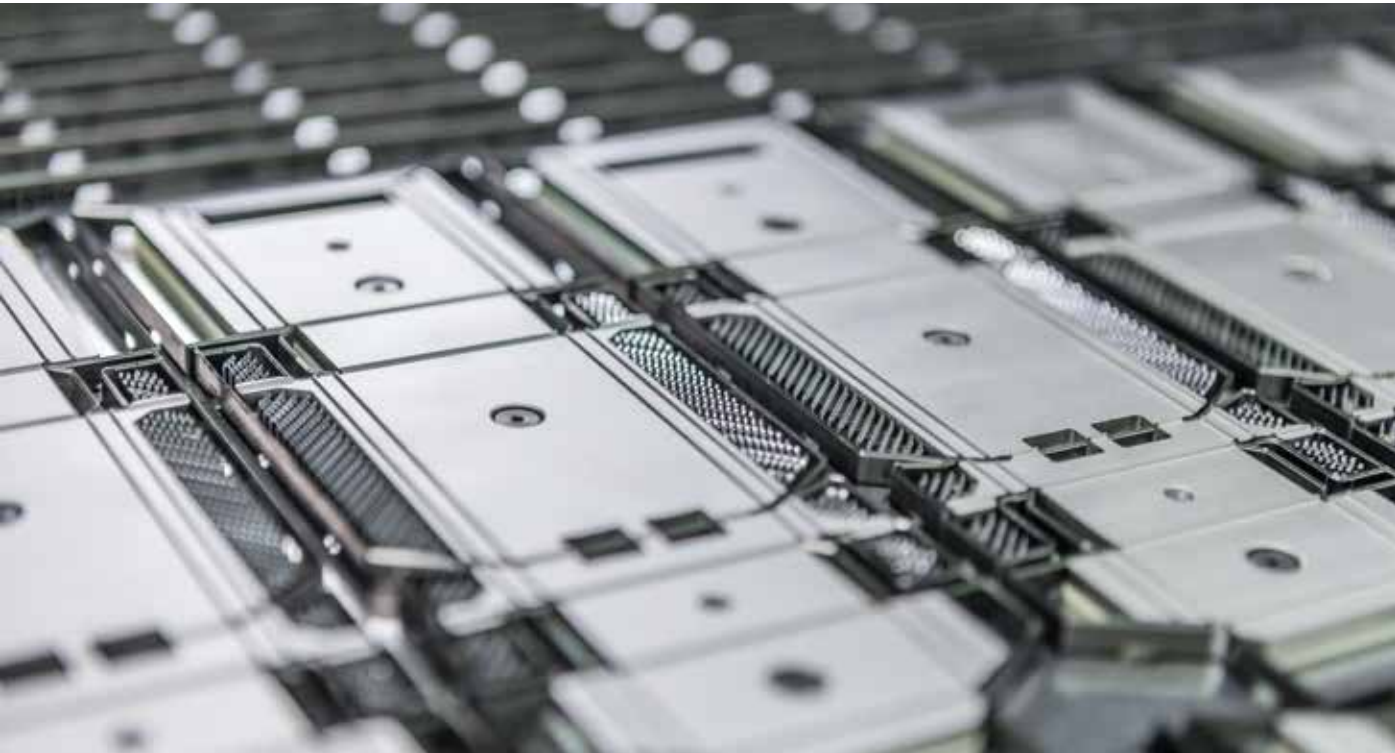
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First creasing. Then cutting. The animation. [www.marbach.com/cpd](http://www.marbach.com/cpd)

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|                                    |
|------------------------------------|
| optimal creasing results           |
| freely defined creasing geometries |
| for smallest creasing distances    |

Perfect creases. From the first to the last sheet.  
With the Marbach crease plate die.



## mpower|+ with magic sheet.

MAGICAL POWER.

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minimal set-up times

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low costs

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highest flexibility

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Die-cutting with almost no patching. A dream come true.

Die-cutting without patching. Every machine operator's dream. With the mpower|+ technology it is almost a dream come true. You can save up to 90% of your set-up time with mpower|+. It is worth it. What is the secret behind this Marbach technology? At its heart is the special cutting rule, with its rounded edge, delivering perfect cutting results. At the same time it is very robust. In addition there is a specially developed laser-cutting process. A special knifing technique. Special rubbering. And the magic sheet. An extraordinary make-ready sheet. So you can start with production right away. No lengthy patching. We will give you the calculated starting tonnage and expected cutting pressure. This avoids slowly approaching the optimal cutting pressure. Saving you a lot of time. And money.

mpower|+ cannot offset all unevenness in the die-cutting presses. But also here we have a solution: with digital zone levelling you can prepare your machine perfectly for the die-cutting process. For even more performance.

Starting tonnage  
and expected cutting pressure.



mpower|+.  
Time saving with the package.



The magic sheet. Simply outstanding.



Even more performance. With the digital zone levelling.





# CUTTING-DIES FOR SPECIAL APPLICATIONS. DETAILED. AND DIVERSE.

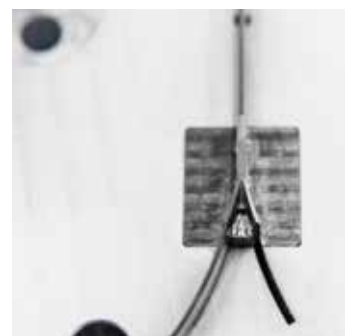
Diversity. That is our motto. We do not only manufacture cutting-dies for packaging. But also for special applications. We make nearly everything possible. With decades of experience. And experts that are specialized on specific areas. In customer service. In CAD. And in production. For your performance.

## **Non-Packaging.**

Tools with high steel rule up to 100mm. With welded rule joints. With smallest bending radii. And custom-made cutting punches. The sky is the limit. Automotive industry. Pharma industry. Plastics industry. Prototyping. Gaming industry. Commercial printing. We supply all of them. With different tools. For sensors. For foam. For auto interiors. Surgery accessories. Tablet blisters. For maps. For greeting cards. For credit cards. For deep-drawn parts. For thermoforming tools. For puzzles. For board games. And many more.

## **Labels.**

Simple to complex. Cutting-dies for labels. A wide variety. Often a special challenge: die-cutting very thin materials. Labels have to be kiss cut or through cut. No matter how thin the material is. Our flatbed tools in steel rule technique are the perfect fit. To master your requirements. With special dieboards. With special cutting rule. For in-mould labels. For PP-labels. And for other plastic labels. For the most diverse application areas. On cars. On beer bottles. On make-up articles. As decal images. Or as plant tags. Highest performance for your labels and stickers.

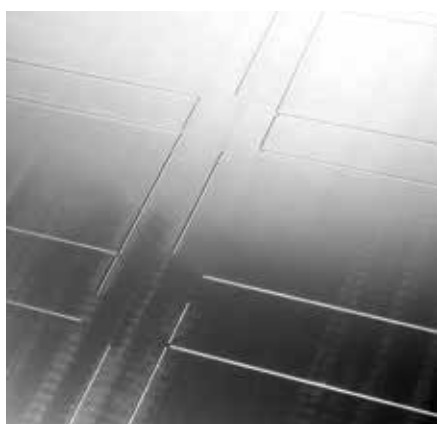
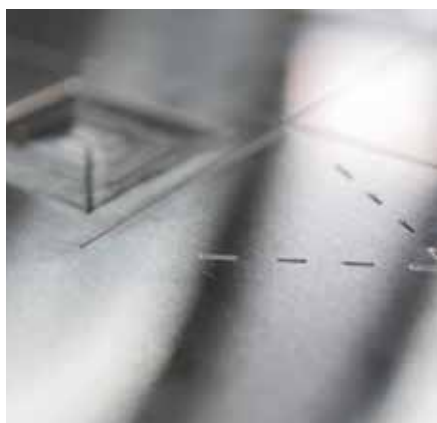


## COUNTER PLATES. A PERFECT FIT.

Your customers request blanks that work. That are beautiful. For extraordinary packaging. And blanks, that run smoothly through the gluing and packing machine. Not only the cutting-die matters. Also the matching counter plate is a critical part of the success. For everything to fit together, you receive the optimal counter plates for your jobs. Matrix, rillma, steel counter plates in various versions and different levels of hardness. With Marbach's solutions you are equipped for everything. For results you can boast about.



Engraving a steel counter plate with the mgrav|2.



Various creasing applications.



Paperboard crease.



Corrugated board crease.



# Matrix.

THE DO-IT-YOURSELF VERSION.

|                 |
|-----------------|
| for few creases |
| cheap           |
| flexible        |



# rillma.

THE SIMPLE ONE.

|                       |
|-----------------------|
| for easy applications |
| economical            |
| custom-made           |



# marbagrid.

THE ECONOMICAL ONE.

|                            |
|----------------------------|
| optimal cost-benefit ratio |
| for all demands            |
| good performance           |





Matrix as creasing channels. If you need only a few creases. With this do-it-yourself version, you can individually design your creasing make-ready. Cut the matrix to size. Place it on the creasing rule. Take off the adhesive foil. Put it in the machine. Make an impression. Pull off the holder profile. Die-cutting. Done. Matrix is available in different sizes. Always in stock. As well as the matching 1 mm thinplates.

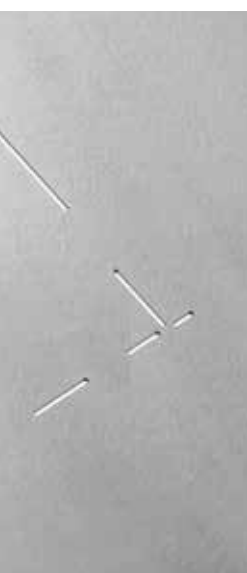
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Find details in our web shop. [www.shop.marbach.com/en](http://www.shop.marbach.com/en)

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Easy. Economical. And good. Best description for rillma. This custom-made counter plate with engraved channels has been used for decades. Mostly for short runs and simple requirements. Its strength is the price. And easiness of use. Transfer the rillmas onto the thin plate and start die-cutting. Ready to use. Or as a raw material. In various sizes. You can also get the matching 1 mm thinplates from us as well. For every machine. In three different hardnesses.



The budget for your order is small, but a beautiful package is still the main goal. Then marbagrid counter plates are the right thing for you. A steel plate. Not milled. But laser cut. Yes, creasing channels can be laser cut. Marbach laser equipment has adequate power. And precision. Great performance. At a good price. This is a perfect compromise. For everybody that would like more than rillma.

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# Steel counter plate.

CREASED PERFECTLY.

Previously: steel counter plates were only used for the longest runs. Today: all new die-cutting machines are equipped for 1mm thinplates. The steel counter plate is a must for every repeating order. Go ahead and use the advantages of steel counter plates.

They are available in various hardnesses. In various designs. For all requirements. The advantage for you: a smooth production process with well-developed techniques. With high machine speed and great cutting results. Efficiency. From the beginning to the end. Best creasing for highly functional packaging. Easy integration of finishing techniques and braille embossing. Highest precision. No marks.

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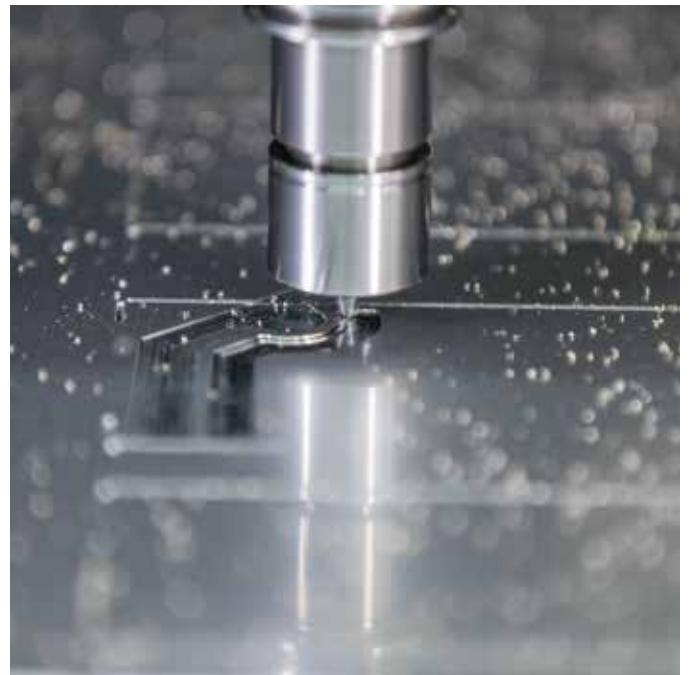
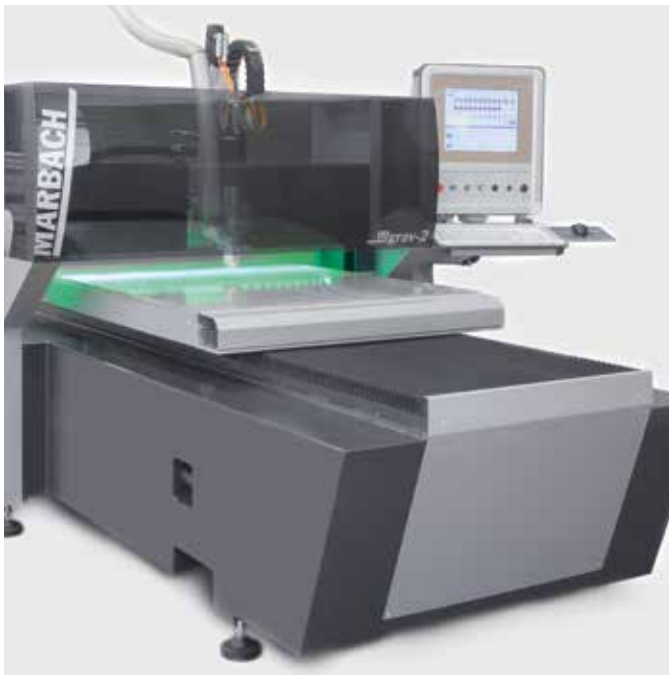
Creased perfectly. The steel counter plate animation. [www.marbach.com/scp](http://www.marbach.com/scp)

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|                           |
|---------------------------|
| perfect creases           |
| minimal set-up times      |
| optimal quality of blanks |

Perfect creases. For beautiful cartons.  
Choose a steel counter plate.

Milling machine.

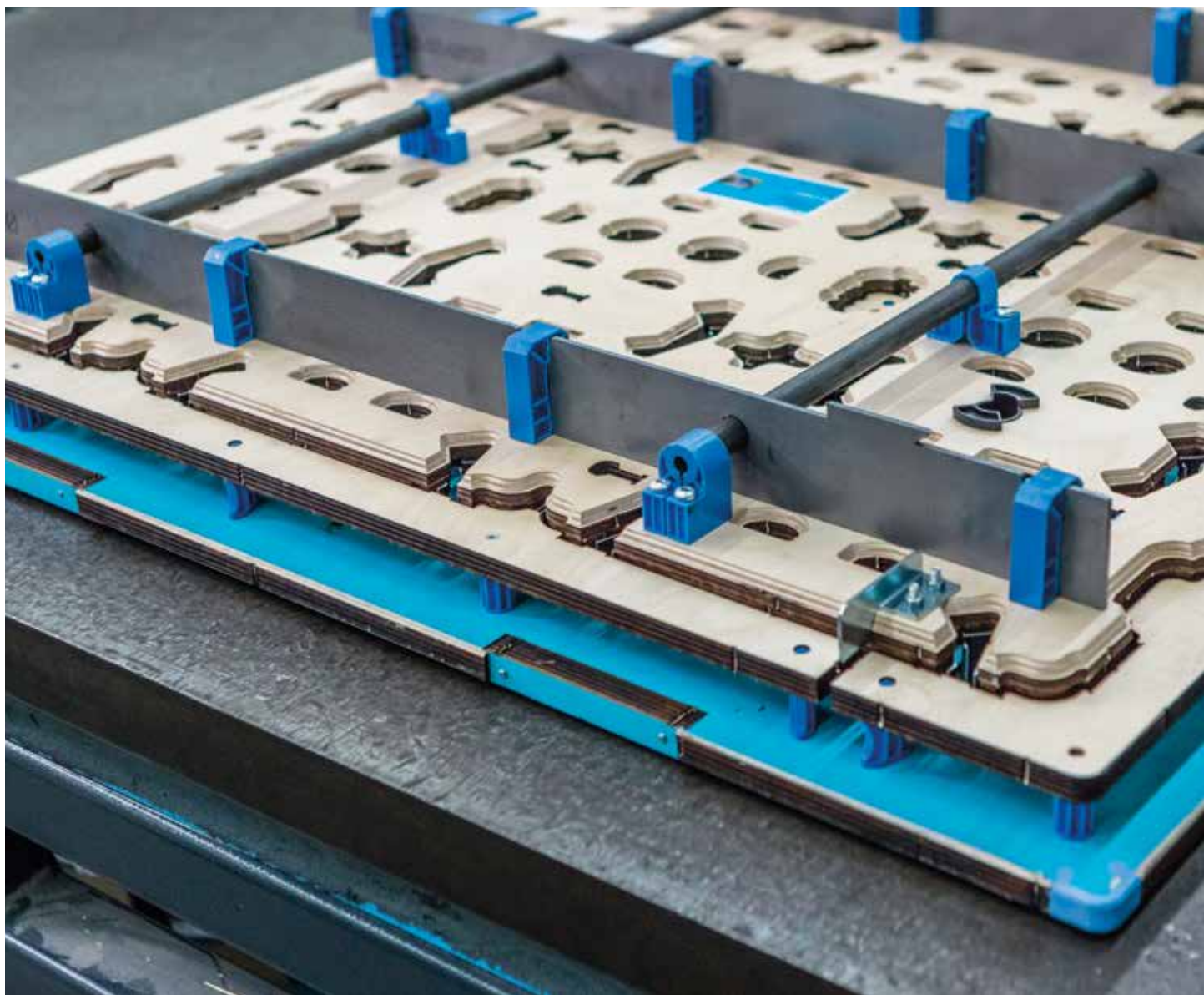




## STRIPPING. SIMPLY WASTE-FREE.

The stripping process plays an important role in packaging manufacturing. It has to be as efficient as possible. Waste-free blanks are essential for the packaging process. Many different dynamics are involved in stripping waste pieces. For that reason it is prone to failure. But not so with Marbach solutions.

We are able to keep the dynamic energy under control. With the use of special claws. And the special geometry of the tool. With the marbastrip technology. Waste is shot downwards in a controlled way. And doesn't cause any trouble.





The ultimate refinement of this revolutionary technology is the masterstrip|plate. With this upper stripping tool, the stripping process is even more stable. Waste-free. Safe stripping. With Marbach.

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waste-free

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high-speed

---

short set-up time

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## standard.

THE SIMPLE ONE.

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economical

---

the standard version

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for simple demands

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## marbastrip.

THE ECONOMICAL ONE.

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dynamic stripping

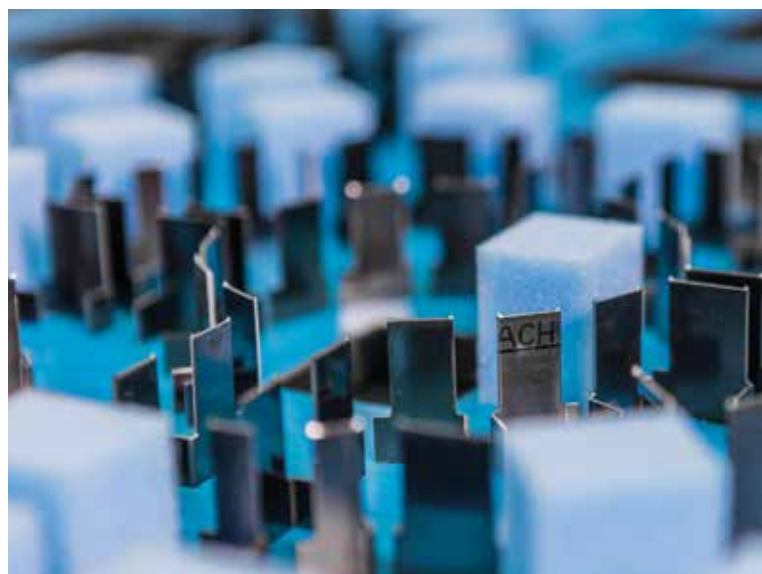
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stable stripping process

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fast set-up

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## masterstrip|plate.

THE FAST ONE.

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high machine speed

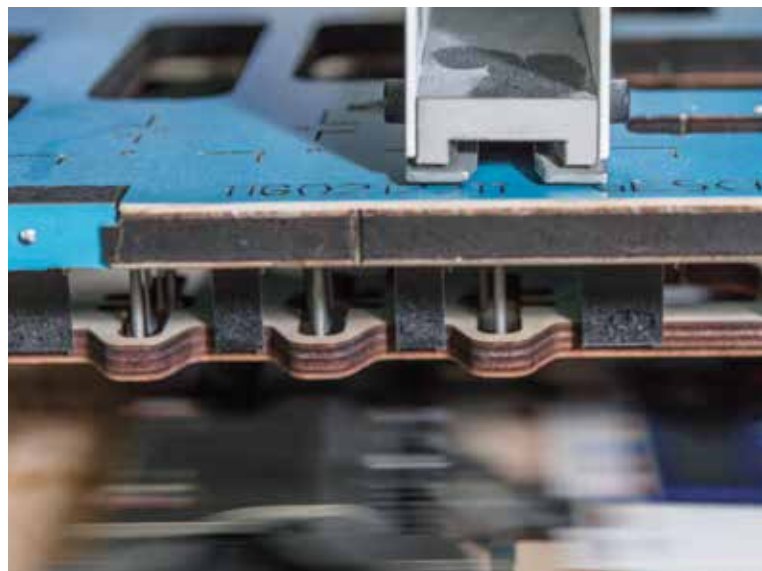
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stable stripping process

---

waste-free

---





Stripping should be done without lower pins. For simple orders a standard stripping tool will be sufficient for the job. Made by Marbach. Set up for dynamic stripping. With stripping claws. Stripping rule and wooden supports. Designed and built at an affordable price.



The marbastrip technology with its special design ensures a stable stripping process. Without bottom pins. But with marbastrip claws. They take care of the waste pieces. And safely guide them through the central stripping board. marbastrip can be used immediately. For the most efficient set-up and stripping process.



The base: the marbastrip technology. Completed by a presser plate in the upper stripping tool. The result: the masterstrip|plate. Targeted stripping. Using the built-in presser plate. The sheet is optimally positioned to the tool and fixed. Full surface. And that by using little pressure on the bottom part. Which is equipped with the sheet lifter marbafly. For fastest machine speeds. And free of waste. For maximum stripping performance.

Insider tip for cigarette box production: the masterstrip|plate is also available with pre-breaking of flaps. For flaps that open perfectly. And a trouble-free packing process.

Waste-free. With the masterstrip|plate. The animation. [www.marbach.com/mstp](http://www.marbach.com/mstp)





### Stripping claws

Unique. For dynamic stripping. The waste is held in place with the claw tips. And pressed through the lower tool. The special support technology in the lower tool ensures a controlled stripping of the waste. Available in various sizes. Left and right.

**Item No. 09520** left (20mm)

**Item No. 09501** left (10mm)

**Item No. 09569** right (8mm)



### Crown pins

They firmly fix the waste pieces. And are used in places where a claw does not fit. Especially useful for tiny waste pieces. And small side waste. Available in various sizes.

**Item No. 42421** 1,8mm

**Item No. 42422** 3,0mm

**Item No. 42423** 5,0mm



### marbafly

A special kind of sheet lifter. For highest productivity. With marbafly the sheet glides through the stripping station. No catching of cartons on the lower tool. No stopping of machines. Simply highest productivity in stripping.

**Item No. 08968** corrugated board

**Item No. 09232** paperboard



### Bottom pins

The standard bottom pin: 4 mm. Of course we offer that also. But it is too big for the smallest waste pieces. Hence the special Marbach bottom pin. Reduced to 2mm. So that even the smallest waste can be easily and safely stripped.

**Item No. 10840** standard (4mm)

**Item No. 10841** reduced (2mm)



### marbapoint

The precision set-up support for a highly efficient stripping process. So that setting-up the stripping tool in the die-cutting machine is easy and straightforward. A specially calibrated laser beam shows you the optimal position between the upper and lower stripping tool. Quick and easy.

**Item No. 09966** marbapoint set



### Wood

Materials for upper and lower stripping tools. Made of birch. For the top: 15 mm. For the bottom: 12 mm. Clear coated. So the sheets glide fast and safely through the machine. The positive side effect: No splinters.

**Item No. 00093** 18mm

**Item No. 00905** 15mm

**Item No. 09935** 12mm



### Stand-offs

Stable distance pieces. They secure the right distance in the upper stripper. Fully tested. Made from plastic. Light and economical.

Item No. 14422 stand-off (23mm)

Item No. 50201 security (23mm)



### Corner protector

Good protection while handling tools. Ensuring a long lifespan for your stripping tools. Your tools slide easily into the machine.

Item No. 09226 18mm

Item No. 09225 15mm

Item No. 09200 12mm



### easyfix

Fix it easily. The simple transportation locks by Marbach. Easy handling. Safe protection for your stripping tools during transportation.

Item No. 07450 blue

Item No. 07477 black



### Plastic clamps

To safely fix the stripper to the die-cutting machine. The clamps lock the tool into the machine. And enable a stable stripping process. Lightweight. Dimensionally stable. And economical.

Item No. 08133 corrugated (blue)

Item No. 08158 corrugated (black)

Item No. 14284 paperboard (blue)



### Foam cubes

For stable stripping: foam cubes as down holders. Self-adhesive. In various sizes. Just peel them off. Put in place. Done. For maximum productivity when making stripping tools.

Item No. 03156 30mm

Item No. 03157 50mm

Item No. 03158 75mm



### Steel support rails

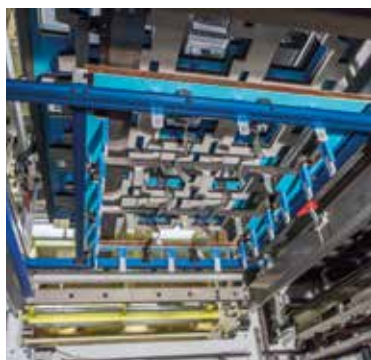
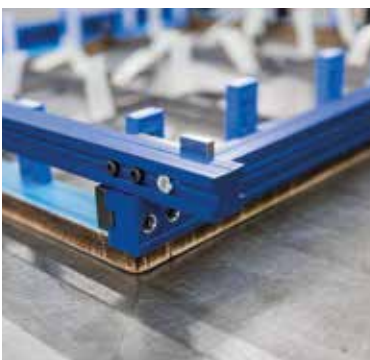
For your lower stripper. Steel rails instead of wood. Reusable. Universal. Robust. It's worth it. Especially with recurring orders.

## BLANKING. EFFICIENCY COUNTS.

Blanking die-cutters are trending. The advantage is not just productivity. But also an exact delivery of the blanks. For optimal processing.

It's worth it. Especially with the lightblanker. This light and economical tool is perfect for orders that were separated manually before.

For higher requirements, there are the marbablanker and the Marbach compact tool. For optimal separation. Without compromise.



The light way of blanking.  
With tools from Marbach.  
Simply efficient.





## lightblanker.

THE FLEXIBLE ONE.

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flexible

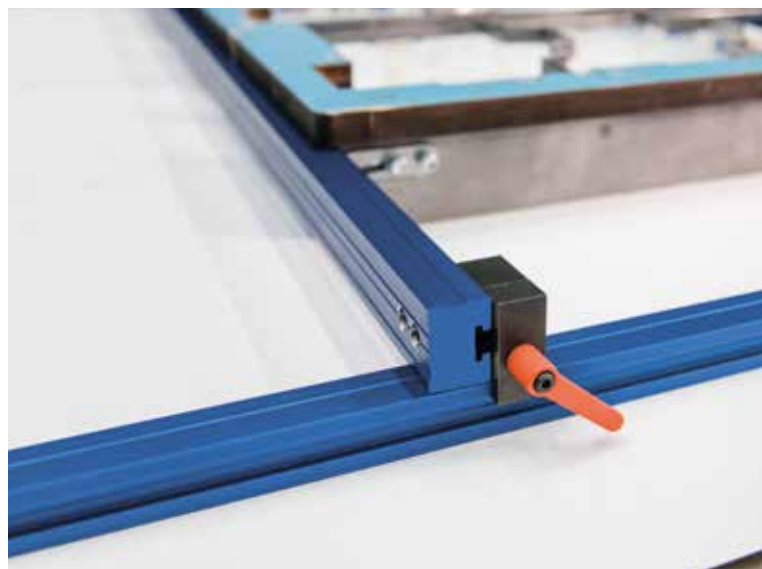
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fast set-up

---

automated instead of manual blanking

---



## marbablanker.

THE EFFICIENT ONE.

---

for every application

---

light and stable

---

smooth blank separation

---



## compact.

THE SOLID ONE.

---

solid and massive steel construction

---

custom design

---

fast production process

---





The lightblinker is a modular blanking tool. Its advantage: the base frame can stay in the machine. It gets adjusted each time according to the job-specific blanking grid. Super fast. A few quick steps and the lightblinker is ready to use. With quick-lock functions. The light weight will win you over with its one-person handling and high flexibility. Easy conversion to sheet delivery. Compare manual blanking with the lightblinker. You will see: it's worth it. The lightest way of blanking.

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The light way of blanking. The animation. [www.marbach.com/blanker](http://www.marbach.com/blanker)

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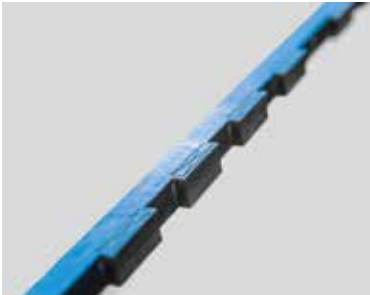
The marbablanker. It makes blank separation easy. The marbablanker is perfectly developed for your needs. The blanking process becomes fast and trouble-free. Choose from different options. Unbelievable variety. Unbelievable efficiency. Blanking has never been this easy. So light. So stable. And economical at the same time.

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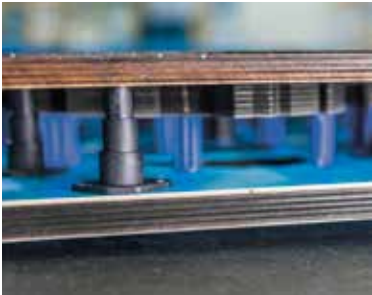
The origin of our blanking tools: the compact tool. Proven quality. For decades. Made entirely of steel. Massive. Strong. And solid. Highest Marbach quality. Custom made for you.

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**Sword template**

To save time when setting the non-stop bars. The Marbach sword template is made to order. Made from wood. Set it up. Position the swords. Done.



**Presser plate**

Full surface fixing of the waste grid. With the presser plate. For jobs with double knife gutters in both directions. Essential.



**Custom presser bars**

Presser bars to keep down the waste. Directly at the nicks. Always at the right place. No matter where you want to put the nicks.



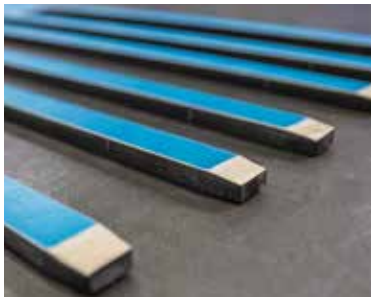
**Wood and rubber**

Building tools like professionals. With original materials from Marbach. For blanking: 18mm wood and 7mm moos rubber. Well equipped for an efficient blanking process.



**lightblanker frame**

Our universal frame. Stays in the machine. Available in various sizes. Fitting for all common machines with blanking station.



**Custom sword rack**

To safely deliver small blanks. Custom made for each order. Used when there is not enough room for conventional non-stop-bars. For highest efficiency.

Item No. 00934 18 mm (multiplex)  
Item No. 03044 7mm (moos rubber)



### Joggers

For optimal guiding of the separated blanks around the perimeter of the lower tool. Light. Stable. Economical. Available in various lengths. Individually adjustable.

Item No. 09997 standard

Item No. 09983 long



### Spacers

For the right distance between the upper blanker headboard and the pushers. Stable. Quick mounting. Economical and lightweight.

Item No. 14425 stand-off (30 mm)

Item No. 50203 security (30 mm)



### marbapusher-set

Pressers designed by Marbach. Lightweight. Versatile. Economical. Mounted in seconds. Quick and easy. Set of 25 pieces with fitting keys. Without screws.

Item No. 34159



### marbapusher|s

The Marbach telescopic presser. Lightweight. Economical. And space-saving. Flush to the back of the tool. Fits even where there is little room.

Item No. 34147



### Pressers

Conventional pressers for male blankers. Useable with a bar. As a spot presser. Or in a presser plate. Stable. Reliable. Popular.

Item No. 34148 spot presser

Item No. 34149 for presser plate

Item No. 34150 for presser bar

Item No. 34151 for presser bar



### Presser bars

For all jobs with straight double knife gutters. Bar stock profile made of metal. Combineable with presser No. 34150 and No. 34151. Done.

Item No. 06775 U-profile



## QUALITY CONTROL. ON THE SAFE SIDE.

The package has to fit. With the product. In the process. We are aiming high at Marbach. Quality is a way of life for us. We have tools for quality control of packaging. For you. Always ensuring you remain on the safe side with your customers.

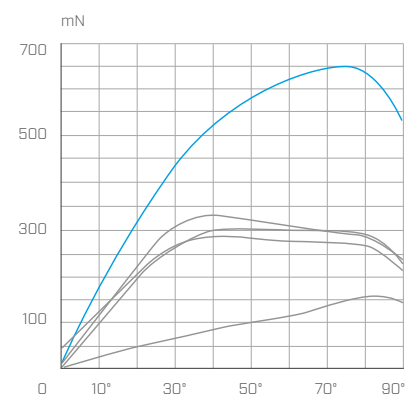
Check the creasing values and the folding resistance of your packaging beforehand. Or directly during production. For quality assurance. And for documentation. Create an easy test. Depending on the purpose, with the hydraulic lab press or the toggle press. Put the test in the crease bend tester. Measure the creasing values. Done. That way you have absolute control. Also with regards to your customer's requests. Lean back and relax.



Cigarette packaging has many special features. Whether round corners. Or bevelled edges. The quality has to be right. Always.



Test the quality of your blanks. With the crease bend tester by Marbach. Easy and effective.



mdss.  
PERFECTLY STORED.

|  |             |
|--|-------------|
|  | flexible    |
|  | expandable  |
|  | transparent |



mlift.  
AT THE MACHINE QUICKLY.

|  |                     |
|--|---------------------|
|  | easy                |
|  | fast                |
|  | gentle on your back |



Pre-make-ready area.  
PERFECTLY PREPARED.

|  |                                 |
|--|---------------------------------|
|  | perfectly equipped work station |
|  | field-tested                    |
|  | ergonomic                       |





Good in-house logistics save you time. So store your die-cutting tools in the Marbach die storage system (mdss). The tools will be perfectly protected here. Readily accessible. And retrievable anytime. As a modular system. Optionally extendable. Different sizes of cassettes and transport systems are available depending on the size of your mdss. For best performance. Before the cutting process even begins.

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Optimal storage. With mdss. The animation. [www.marbach.com/logistics](http://www.marbach.com/logistics)

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Making the tool accessible at the machine quickly and easily? Yes you can. Drive the tool with the cart to the Marbach lifting system mlift. With the push of a button your tool is transported to the machine platform. And already the machine operator has another tooling cassette available for the next job. Efficient. And gentle on your back.



Repairing tools like a professional. With the tool-prep workplace from Marbach. Equipped with everything you could wish for. The fitting tools. The fitting devices. To bend. To notch. To cut mitres. Always prepared.

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# ROTARY TOOLS. FOR CORRUGATED BOARD.



## Everything running smoothly. With marbaspeed|r.

A perfect rotary tool. With short set-up times. It cuts your corrugated packaging. And strips the waste optimally. It makes high machine speeds possible. That is what you get at Marbach. Custom fit for your needs. For all common machine types. Our rotary cutting-dies made of high-quality plywood are the epitome of quality. And superior functionality.



But that is not all. Experience also plays a pivotal role with rotary tools. Knowledge about the right use of functional rubbering. And special creasing techniques. We advise you. With our knowledge from almost 100 years of building cutting-dies.



Our clear winner: the top-notch tool marbaspeed|r. It stands for highest efficiency when producing corrugated packaging. marbaspeed|r is equipped with the specialized high performance rubber flexpower. Extremely long-lived. Optimal technical characteristics. Superior functionality. Your advantage: high-speed production.

Marbach rotary dies. Made of high-quality plywood. For superior functionality.

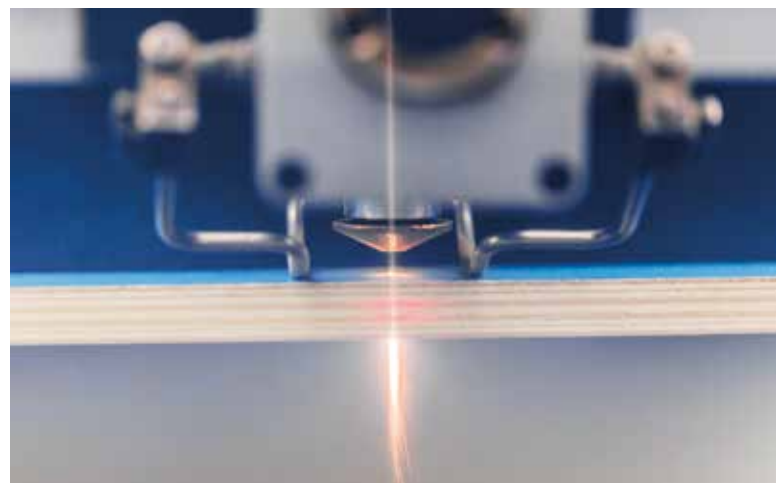
## MATERIALS AND MACHINES. FOR CORRUGATED ROTARY DIES.

We not only supply rotary dies. But also the machines to produce them. With the Marbach rotary laser you can cut and mill rotary shells. Precisely and quickly. Special benders and notchers support you optimally while preparing rule. For highest efficiency.

Rotary laser mlas|rot-linear.







And also in our portfolio: materials for manufacturing rotary dies. With the Marbach polyurethane hammer you knife the wooden shells. The specific Marbach cutting rule mhard|r, various Marbach rubbering materials, speedmounts, posilok brackets together with the practical Marbach handles ensure the best performance from your rotary dies.

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You can find the fitting material at: [www.shop.marbach.com/en](http://www.shop.marbach.com/en)

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# ROTARY TOOLS. CUTTING. CREASING. EMBOSSING.

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**fast**

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**reliable**

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**durable**

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Rotary cutting, creasing and embossing tools. They stand for highest requirements. For precision. For product quality. For high volume. For cigarette boxes. For liquid packaging. For pharmaceutical packaging. And other uses.

We have expanded our activities with rotary tools. Created more capacity. Invested. We build cutting, creasing and embossing cylinders in our rotary center. With absolute precision. With a true running accuracy less than 2  $\mu\text{m}$ . With the newest machines. With love. Experience. And competence.



Combined competence.



# MR|easy & marbaclick

EFFICIENT AND PRECISE.

You have high demands. Very high. You need a tool that lets you reach top speeds. That is easy to use and has low vibration. And highest precision. That distinguishes itself with optimal temperature distribution. A tool that fully meets your demands. And those of your clients.

We have the perfect tool for you: the Marbach development MR|easy. This stands for flawless quality. Minimal tolerance. Optimal temperature control. And all this combined with easiest handling

You want even more efficiency? Use MR|easy combined with our marbaclick system. Quick and safe set-up of the cutting gap. In 1 µm increments. Protecting the expensive and sensitive blades of your rotary tools. From day one.

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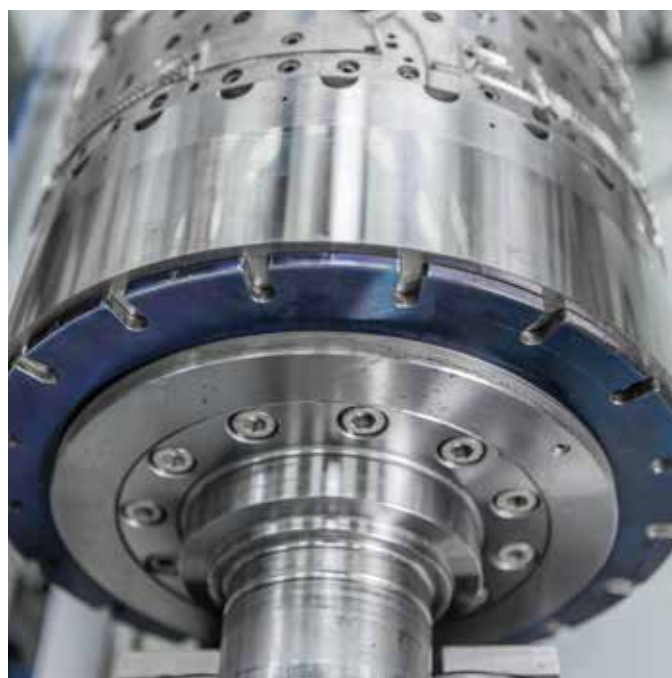
MR|easy & marbaclick. Rotary die-cutting. The animation. [www.marbach.com/easy](http://www.marbach.com/easy)

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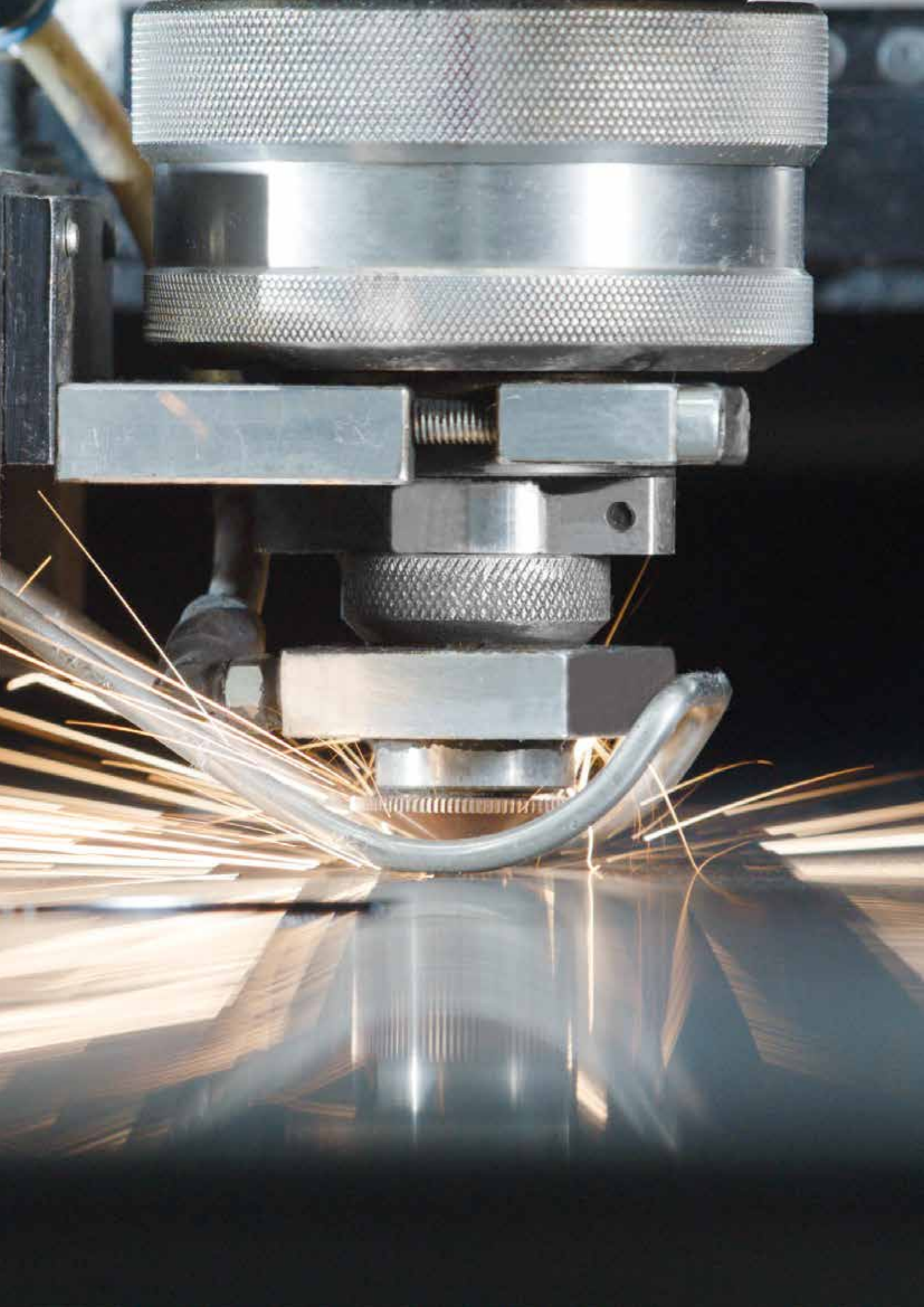
|                          |
|--------------------------|
| very high machine speeds |
| minimal tolerances       |
| reduced set-up times     |

The optimal combination:  
MR|easy & marbaclick.

marbaclick.







## **MACHINES. AND EQUIPMENT.** THE BEST FOR DIE-MAKING.

Machines from the world market leader. That's what you get from us. Each one tested extensively. Each one proven in day-to-day use. In unbelievable variety. From the small die-makers to the in-house die shops to large die-making companies. We equip them all. Fulfilling your demands. With the best performance. Experience the Marbach machines for yourself. You will be convinced.

## mlas|smart

THE SPACE-SAVER.

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space-saving

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economical

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excellent cutting quality

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Just smart. That is our cost-efficient mlas|smart laser. Using a new concept of machine it stands not only for high efficiency occupying the smallest space. mlas|smart is distinguished by its excellent quality of cuts and its high performance. You can choose a laser source between 400 and 1,000 Watt. For the power you need. Naturally with a touch screen as with all Marbach machines.




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mlas|smart. The movie. [www.marbach.com/mlasS](http://www.marbach.com/mlasS)

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flat and rotary cutting

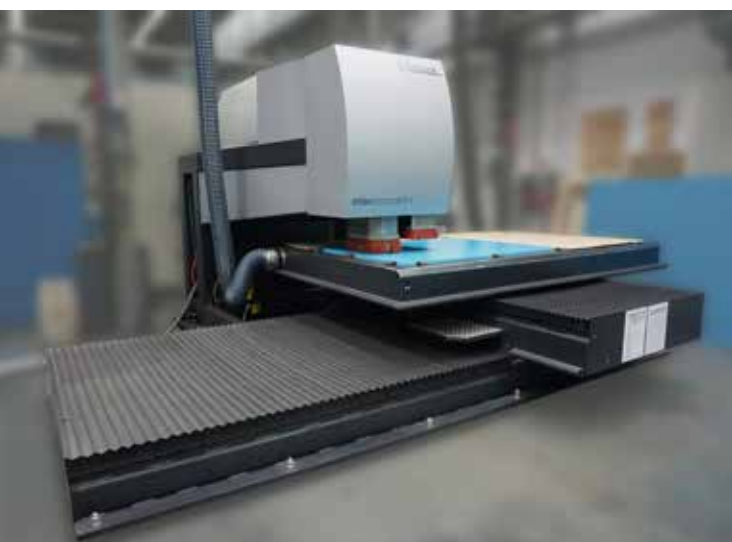
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short set-up times

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many formats

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## mlas|compact-1

THE ALL-ROUNDER.

A master of all trades. In cross-table design. With various table sizes. With high performance. Minimal set-up times and down times are its strengths. And the quick lens changeover for various materials. Also available with a rotary unit. For flat and rotary cutting. As mlas|twin. With familiar Marbach cutting quality. The mlas|compact-1. Twice as good.

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## mlas|rot-linear

THE ROTARY ONE.

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rotary cutting in perfection

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high-precision cutting results

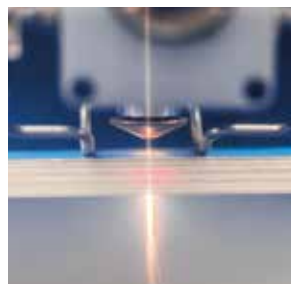
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shortest down time

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The mlas|rot-linear stands for rotary laser cutting and milling at highest speeds. And this while taking up very little space. This is achieved by using a flying optic. And the maintenance free linear drive. These are some of the fastest high-dynamic moving components. Also during set-up you save valuable time. With the laser positioning help. For speedy set-up of your rotary wooden shells. And with the possibility of external set-up. So while your machine is still cutting you can prepare the next order.




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mlas|rot-linear. The movie. [www.marbach.com/mlasR](http://www.marbach.com/mlasR)

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highest performance

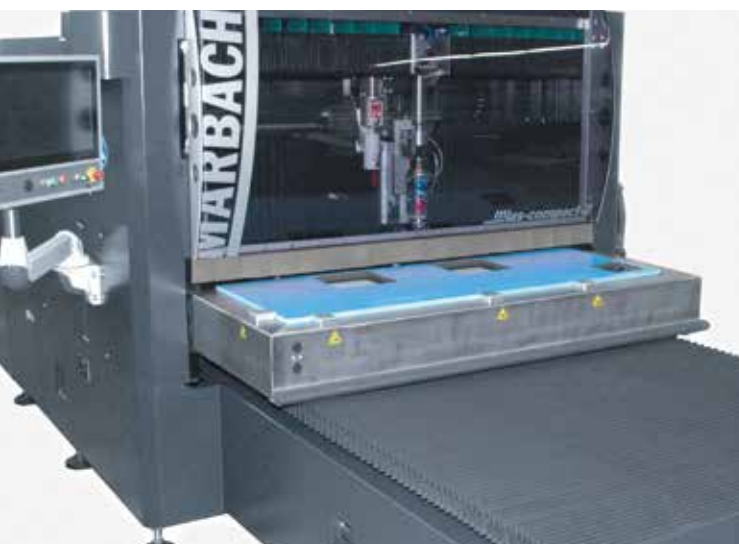
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fastest and newest machine control technology

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best cutting quality

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## mlas|compact-2

THE SPEEDY ONE.

The mlas|compact-2 convinces with its speed. Cutting quality. Safety. And absolute user friendliness. Thanks to its special features. Large format. Small footprint. The newest technology in laser beam guidance delivers highest cutting precision. The SLAB laser source provides 1,500 to 2,500 Watt. And another advantage: the integrated remote maintenance ensures production safety and machine availability.

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## mjet|1

THE SMALL FORMAT.

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highly dynamic drive

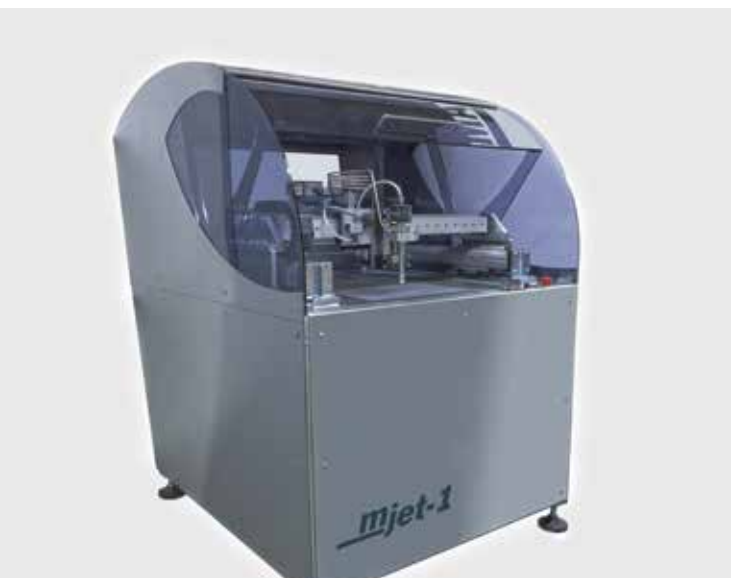
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efficient manufacturing of standard parts

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short production time

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Rubbering materials for cutting-die production. Cut with the highest precision. With the waterjet mjet|1. Efficient production of standard parts. Achieved by using a powerful high pressure pump. And an ultra dynamic drive. Parallel manufacturing of the ejection rubber saves valuable production time. The compact encapsulated construction offers you top safety standards for your production. Small format. 500 mm x 500 mm.

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fast

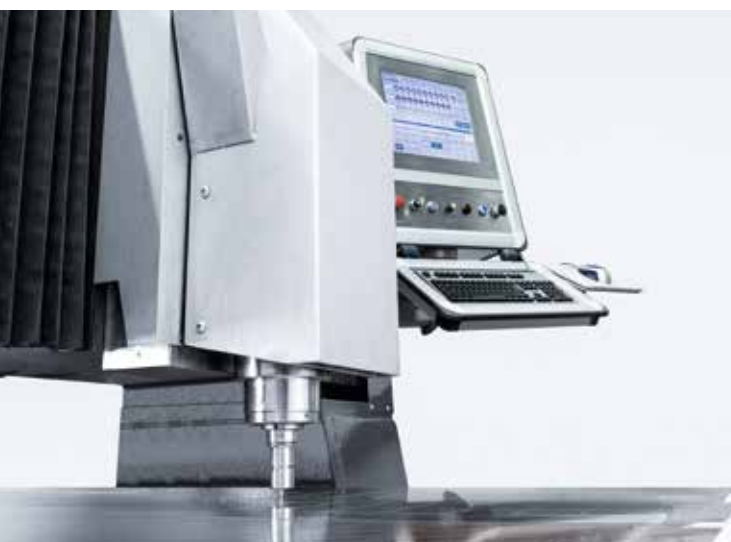
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good handling

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best milling results

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## mgrav|1

THE SOLID ONE.

The mgrav|1. The mother of all Marbach milling machines. Sound performance. Successful in the market for years. For delivering best milling results. With steel. And rillma. With lower stripping tools made of wood. With many features to write home about. Easy to use with its special software. Including touch screen.

## mjet|2

THE FULL FORMAT.

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high-speed cutting

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special linear drives

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virtually maintenance- and trouble-free

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Waterjet cutting. Full format. 1,000 mm x 1,000 mm. With mjet|2. With linear drives. Making sure highest cutting speeds are reached. Functioning almost completely maintenance- and trouble-free. The new loading and unloading concept optimizes prep time. The encapsulated construction provides maximum safety.

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mjet|2. The movie. [www.marbach.com/mjet2](http://www.marbach.com/mjet2)

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easy handling

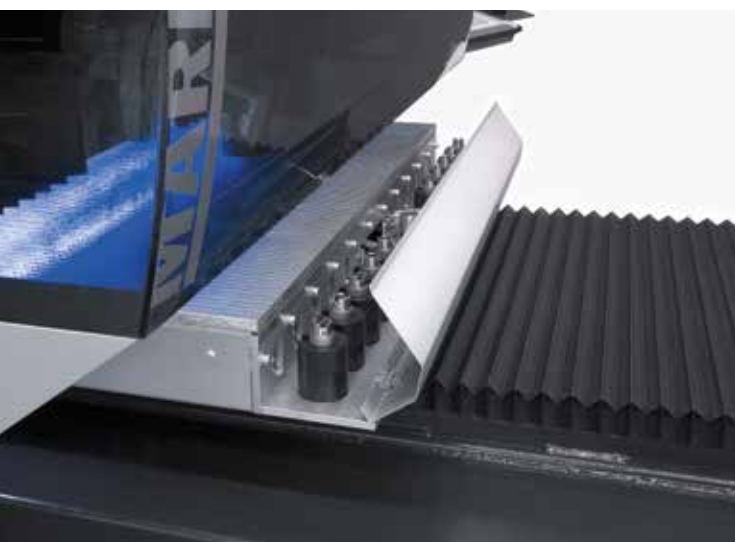
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best milling results

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LED light shows status of process

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## mgrav|2


THE SPECIALIST.

mgrav|2. Versatile and precise. Milling counter dies made of steel. Or rillma. And lower stripping tools made of wood. The intuitive software makes handling easy. The modern touch screen user panel also. Everything especially optimized for cutting-die production. With a high performance milling spindle. And unparalleled air-cooling systems for tools and materials. An eye-catcher. LED lights indicate the process status of the machine. A different color for each different status.

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# MATERIALS. FOR ALL NEEDS.



A wide range of materials is used for producing cutting-dies. Dieboards. Rubber. Rule. Components for strippers and blankers. And tools for the assembly of cutting-dies. You can obtain these and many more at Marbach. According to your needs. No one size fits all. But an individual custom fit for each one.

## **Consumable materials for packaging production.**

From A for aluminum hammer. M for matrix. R for rubber strips. To Z for zone levelling materials. We have almost every material and tool needed in a packaging printing company. Our calibrated make-ready sheet is optimized for the climate inside a die-cutter. With its three layers, it is designed to impress in terms of dimensional stability and lifespan. The Marbach thinplates are available in three hardness levels. For every die-cutter. Customized. Also in our portfolio: Marbach developments that make your everyday work easier. Place nicks quickly and easily. With the marbanick. But that is not all. Order your small tools with us. Rule pullers. Pliers. Measuring instruments. And much more. Materials from Marbach. Best performance in your production.





## **THERMOFORMING TOOLS.** UNIQUE PERFORMANCE. FORMED PERFECTLY.

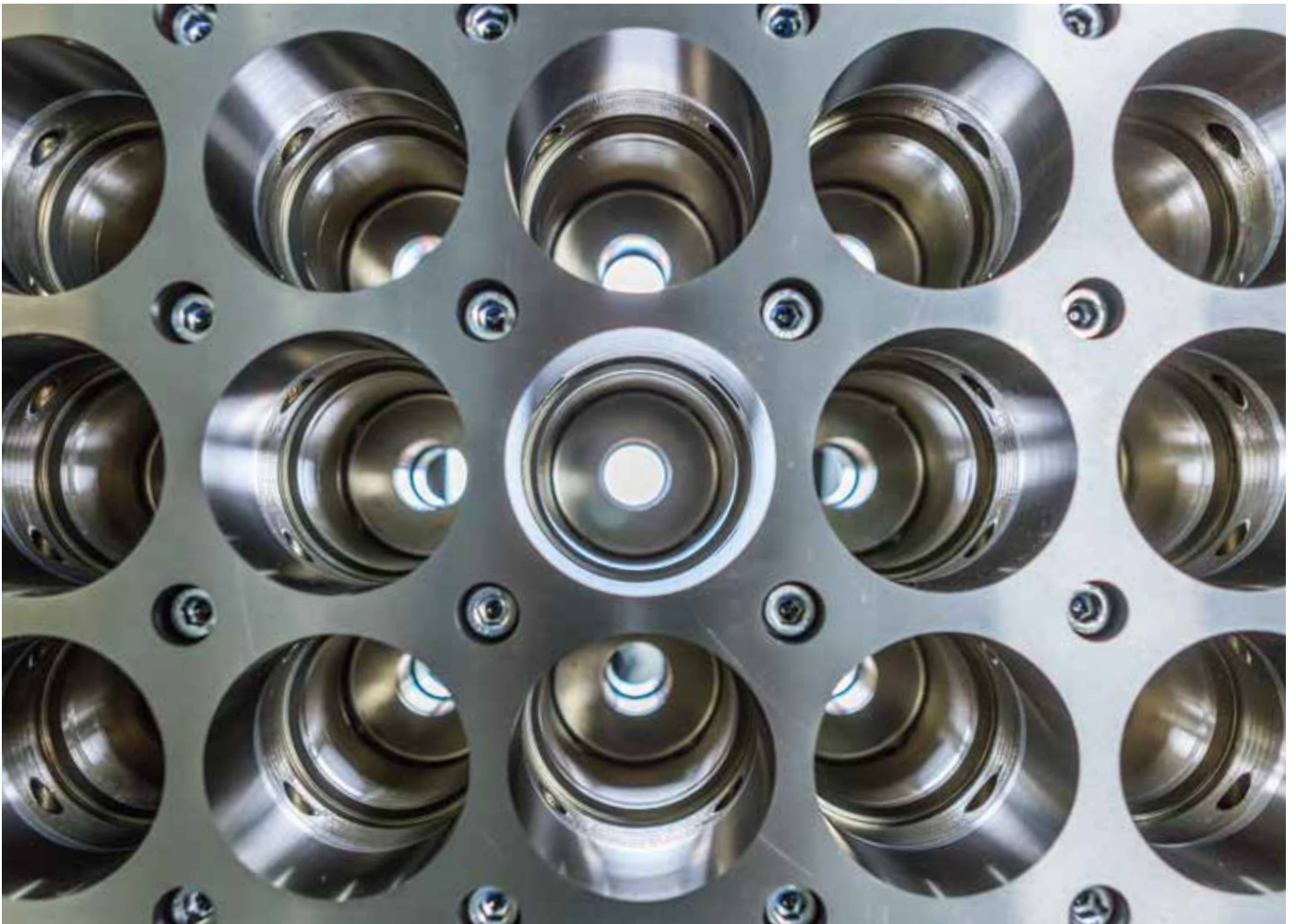
Marbach manufactures them. The best thermoforming tools. For yoghurt cups. For food trays. For lids. We were pioneers. Involved from the start. A toolmaker of world class. We still bear this title today. Justified. And proud. It takes a lot to remain at the top over the years. A strategy. Passion. Effort. It requires leadership. Role models. And a strong team. But most of all it requires one thing: the drive to be even better tomorrow. This redefines the new. New tools. And new technologies. With one goal only: to fulfill your requirements to perfection. For your success.



Flexi-Tab system for steel rule tool.



Steel rule knives.



Match-metal technology.

## MATCH-METAL & SR-TECHNOLOGY. TWO TECHNOLOGIES. ONE RESULT.

Two technologies. One result. Thermoforming in perfection. With the right tools. Either with match-metal (MM) technology. Or steel rule (SR) technology. We offer you both options. So we will have the right solution for every application.

### **Marbach match-metal tools.**

One-of-a-kind. Equipped with cutting-edge technologies. Like MT|easy and MT|easy-speed. Straight from the Marbach innovation factory. They stand out especially because of the high cutting quality. Absolute performance. Speed. Tool life. And product quality. Our unrivaled field of expertise: combined forming and cutting. No offset. For the quality of your products. No compromises. With more than 50 years of experience making thermoforming tools.

### **Tools with Marbach SR-technology.**

The perfect symbiosis. Of thermoforming tools. And precise steel rule dies. Made specifically for the thermoforming application. Manufactured by our own expert die-makers. Melted to produce a first class SR-tool. For a product quality that is second to none. Marbach thermoforming tools. For cups. For bowls. For lids. For absolute performance.

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Learn more in our tool manufacturing magalog or online: [www.marbach.com](http://www.marbach.com)

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## **PACKAGING. PERFORMANCE. YOU.**

You see: our product portfolio is diverse.

Extensive. And exciting. And offers you many advantages. Simply perfect performance.

Always a custom fit for you.

Would you like to know more? About Marbach?  
About our products?

Please contact us. We look forward to your inquiries. Your wishes. Your ideas.

Or visit our website.

Find more information. The registration to our infoletter. And a lot of videos.

**[www.marbach.com](http://www.marbach.com)**

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