

# MOULDED MAKING

**HAIDLMAIR**  
PRODUCTIVITY FOR SUSTAINABILITY



CRATES, BOXES, CONTAINERS, PALLETS MADE OF PLASTIC ARE

# OUR WORLD



➤ FROM THE BOTTLE CRATE TO THE PALLET-BOX,





...BUT ALSO CHASSIS OF LARGE HOME APPLIANCES OR DRAINAGE SYSTEMS AND WASTE CONTAINERS.

More than 40 years of experience and the consistent specialization in injection moulds for cubic and rectangular shaped plastic mouldings have made us the leader in this field.

Our focus is on medium to large injection moulds up to a maximum total weight of 80 tons.

We provide you with the „One Stop For Higher Productivity“. You get everything from one source at HAIDLMAIR, from the optimisation of your product idea from a mould making perspective to the finished product including full After Sales Service.

**YOUR PRODUCT IDEAS ARE IN GOOD HANDS WITH US!**



FROM THE DRAINAGE BOX TO THE DISHWASHER CHASSIS, AS WELL AS TV HOUSINGS TO AUTOMOBILE COMPONENTS...

03



## MOULD MAKING AT IT'S BEST THE COMPANY **HAIDLMAIR**

....FOUNDED IN 1979 BY JOSEF HAIDLMAIR IN NUSSBACH,  
APPROXIMATELY 50 KM SOUTH OF LINZ ON THE DANUBE RIVER.

HE THUS CONTINUED THE GENERATIONS OF THE BUSINESS,  
STRETCHING BACK TO THE TRADITIONAL METALWORKING.

His son Mario Haidlmair took over the business in 2012 and leads the company  
towards a successful future. Of topical interest is the plant in Nussbach  
with over 10,000 m<sup>2</sup> of production space, 50 CNC machine centers  
and 300 staff and headquarter of a group of companies  
with a total of 9 plants and more than 550 employees.

The core business is the production of injection moulds  
focused on rectangular containers of any kind  
- from the bottle crate to the pallet-box, but just as well  
from technical and automotive parts  
to recycling containers and infiltration ditches.

Moreover, also injection moulds for thin wall applications as well as mould bases  
and components are developed and manufactured in the HAIDLMAIR GROUP.

In 2006, HAIDLMAIR was ranked in the top 10 from a total of 321 evaluated mould  
manufacturers and was awarded "Mouldmaker of the year 2006" in the category  
"External mouldmaker with more than 100 employees" by the  
Aachener "laboratory for machine tools" in association with the  
Fraunhofer-Institute for production technology.  
HAIDLMAIR was able to repeat this success in 2017, this time in the category  
„External mouldmaker with more than 50 employees“.





# RESOURCES COMPANIES OF THE HAIDLMAIR GROUP

## > **HTM** ZRT. - SZEKESFEHERVAR/HUNGARY

Production of injection, die casting and ingot moulds of medium size and mould bases

[www.htm-zrt.com](http://www.htm-zrt.com)

## > **HSC** HAIDLMAIR SCHLIERBACH COMPANY GMBH - SCHLIERBACH/UPPER AUSTRIA

Special parts and components manufacturing for mould making

[www.hsc-werkzeugbau.at](http://www.hsc-werkzeugbau.at)

## > **HAIDLMAIR SERVICECENTER** - KIRCHDORF AN DER KREMS/UPPER AUSTRIA

Service company for mould maintenance near the main plant in Nussbach

## > **HAIDLMAIR SERVICECENTER** - MONHEIM/GERMANY

Service company for mould maintenance at the premises of the company SAS/Monheim-Germany

## > **TESTIFY** - LINZ/UPPER AUSTRIA

Development and sales of a software for digitalisation of checklists and issue management

[www.testify.io](http://www.testify.io)

## > **PLAST-IQ** - NUSSBACH/UPPER AUSTRIA

Complete product development for clever and unique design products made of plastic with specific functions

[www.plast-iq.com](http://www.plast-iq.com)

## > **FDU HOTRUNNER** - FRANKENTHAL/GERMANY

Production and sales of hotrunner die systems for injection moulds

[www.fdu-hotrunner.com](http://www.fdu-hotrunner.com)

## > **DIGITAL MOULDS** - SIERNING/UPPER AUSTRIA

Development and sales of digitalisation solutions for mould making

[www.digitalmoulds.com](http://www.digitalmoulds.com)

# PRODUCTIVITY FOR SUSTAINABILITY



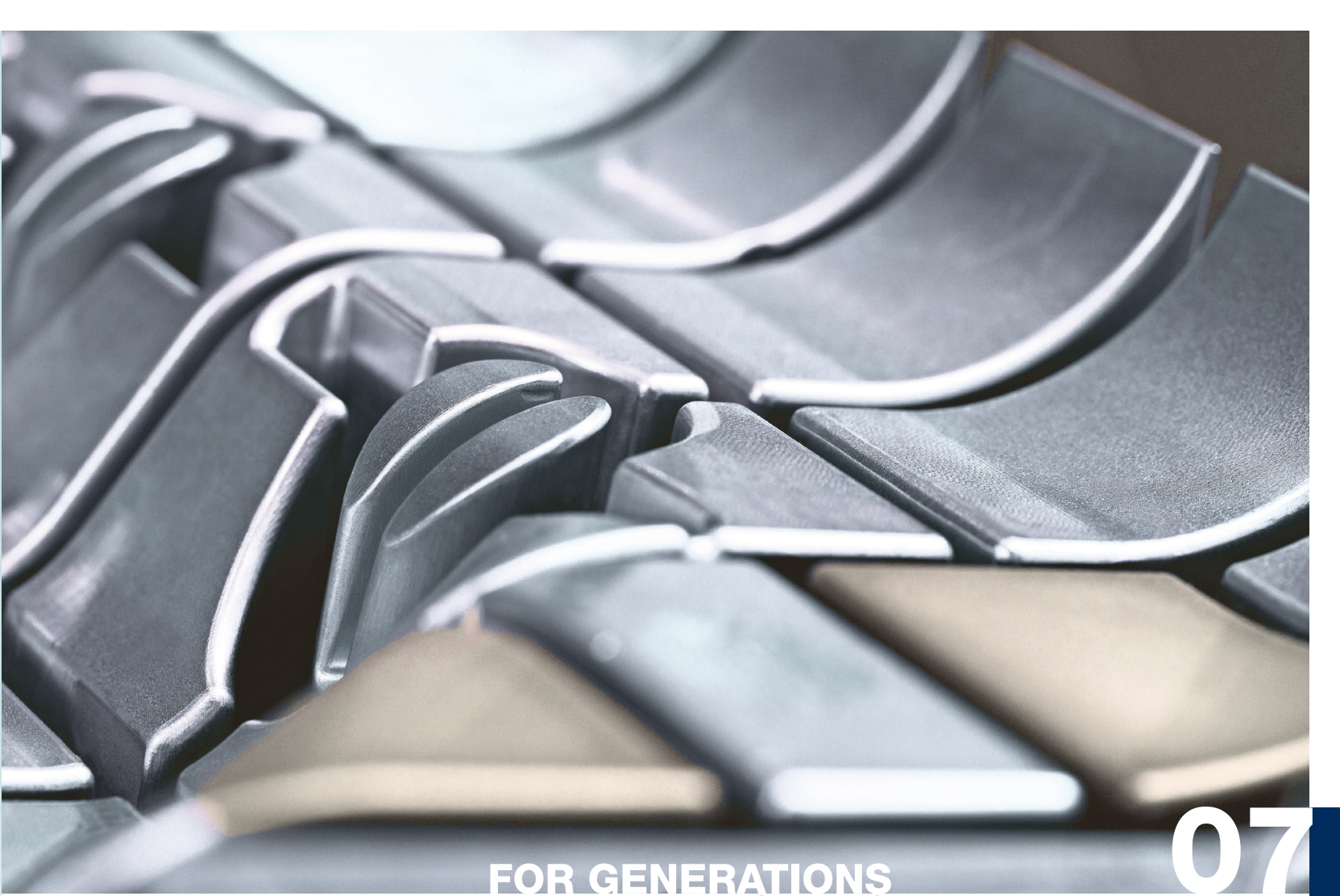
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THE STABLE  
**FAMILY BUSINESS**







## FOR GENERATIONS IN METALWORKING

TRADITION AND STABILITY

Metalworking is central to Upper Austrian tradition. Metal has been forged since 1770 at the Nussbach/Goeritz location, since 1850, the company has been owned by the family Haidlmair, which now leads in already its sixth generation.

Moulds have been being built for injection moulding technology since 1979, forming the core competence of today. Since 1992, HAIDLMAIR Nussbach is the headquarter and leading business establishment of a company group with international subsidiaries.

AND: WE ARE DEVELOPING -  
NOT ERRATIC, BUT THROUGH ORGANIC GROWTH  
AND THE QUALITY OF OUR PRODUCTS.

## CONTINUITY - AND THE HISTORY **CONTINUES...**

The sixth generation,  
Mario and Rene, leads  
the future business.

Continuity, stability, and reliability  
are the basis of our partnerships  
with suppliers and customers.

Existing innovation ability and  
courage to break new ground,  
are our self-image.



## CAPABILITIES BOTTLE CRATES

FROM PURPOSE USE CAN-TRAYS  
TO COMMERCIAL DESIGNS WITH MARKETING FUNCTIONS

The basis of our "container competence" is more than 40 years of specialization and thousands of delivered injection moulds for bottle crates. The implementation of new product ideas in efficient and above all reliable production solutions was and is the focus of the HAIDLMAIR technology.

Today we can say with good reason: **> We have "crate" ideas!**

The projects range from simple can-trays, extending to light weight boxes in all shapes and sizes, and progressing to bottle crates of multiple component and multi-color design.

## FOR EVERY DESIGN A SOLUTION

### EXAMPLES >



> Bottle crate with extra large grip handle openings and increased grip surface, exterior surface in wood design, labels subsequently applied.



> 2-component bottle crate with elastomeric inserts in handle area, labels incorporated with in-mould-labeling.



> 2-component bottle crate with small elastomeric inserts in handle area, labels incorporated with in-mould-labeling.



> Bottle crate in rounded corner design with elastomeric grip inserts. Lettering subsequently applied.



> Bottle crate in multi-color design. The second color component is employed to become the border of the in-mould label. The grip areas on the narrow side are increased in cross section by way of gas injection technology.

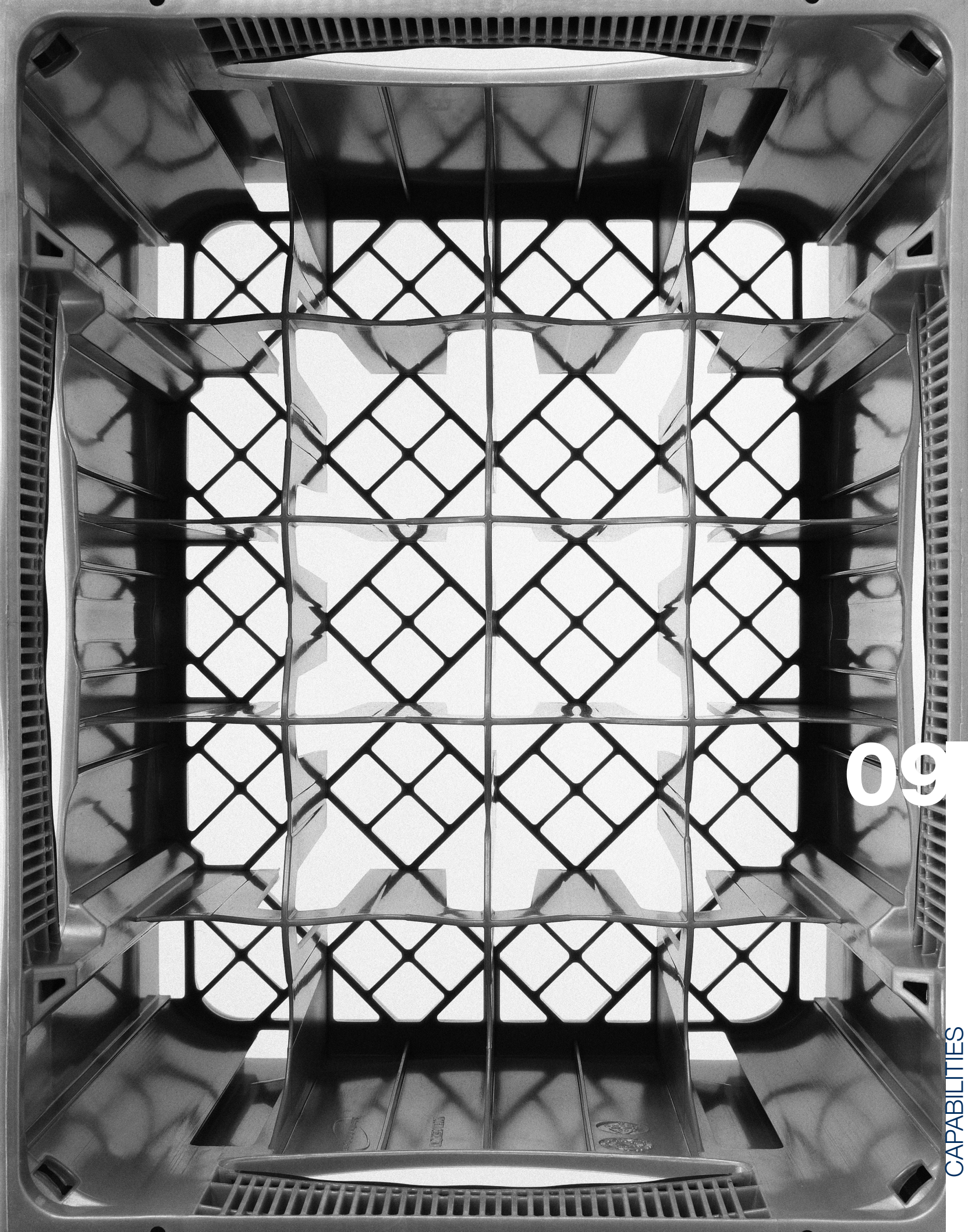


> Bottle crate in rounded corner design and continuous bordering with the second component TPE, both as a gripping area, as well as a design effect. Labels incorporated with in-mould-labeling.

**> AND MANY MORE...**

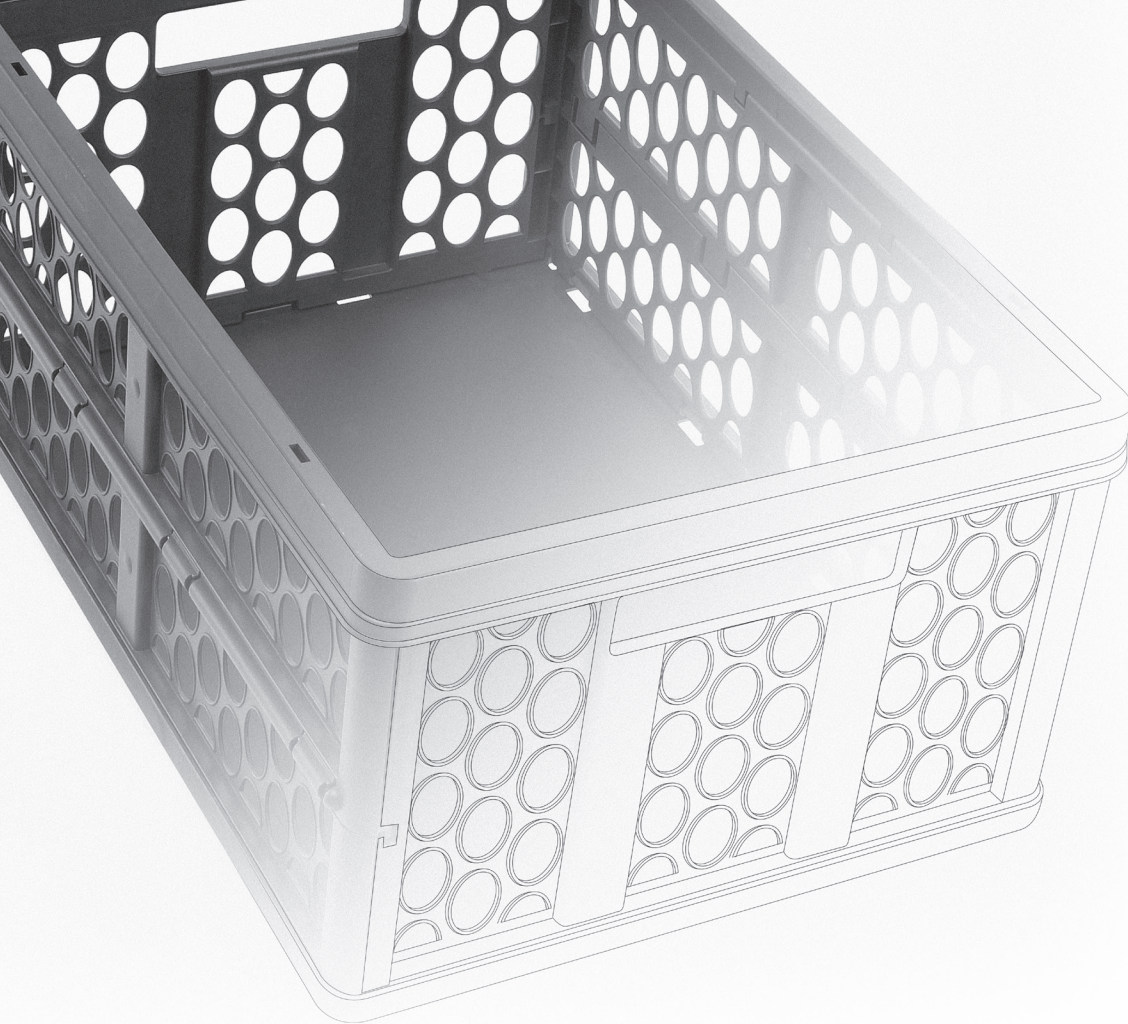






09





## TO LOGISTIC CONTAINERS TO PALLET BOXES

THE SECOND MAJOR FIELD OF COMPETENCE - NEXT TO THE BOTTLE CRATES -  
INCLUDES STORAGE AND LOGISTIC CONTAINERS.

Do you require fruit and vegetable crates, bread or fish containers,  
large containers in pallet format for parceled industrial goods  
or for transportation of agricultural products?

We are always the right partner to provide an efficient production system!

Our capabilities for injection moulds currently reach up to sizes with a total weight  
of 80 tons, in single or double cavity design, with a parting line arranged  
side by side or behind one another in stack.

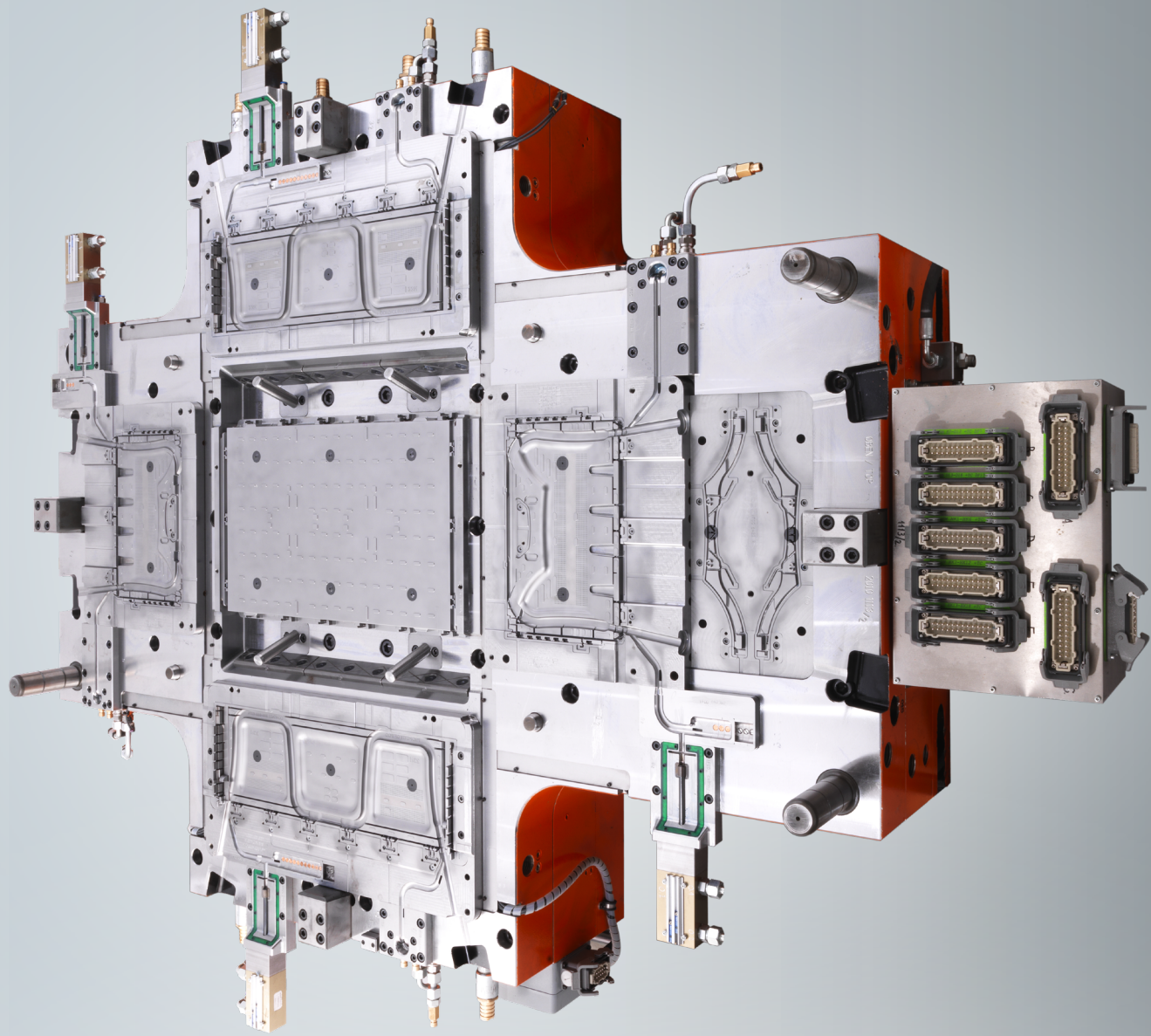
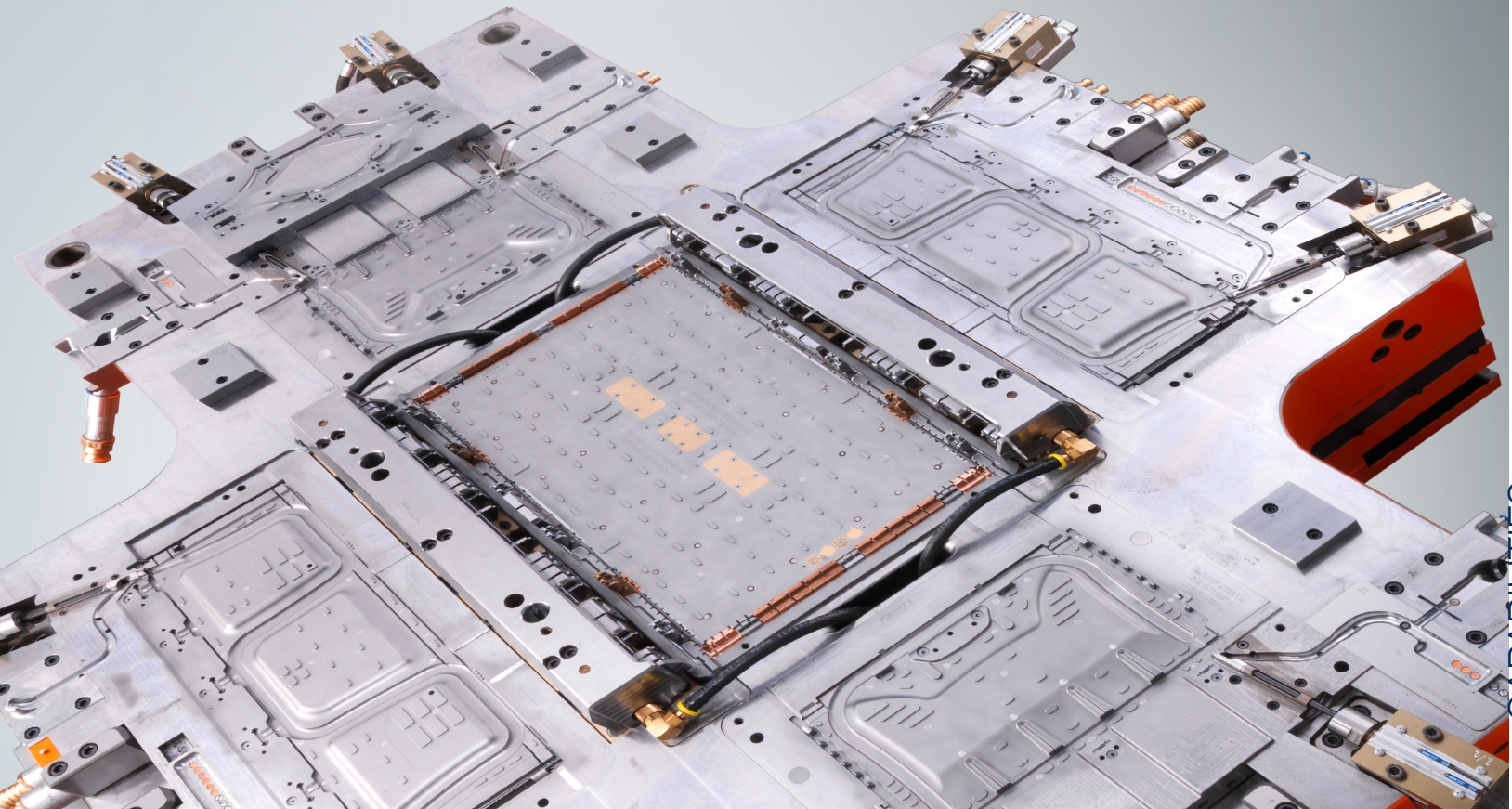
## CONTAINER THE ENTIRE SPECTRUM

EXAMPLES >

- > Injection moulds for collapsible logistic containers for industrial or consumer applications in all sizes and shapes are our core competence.
- > All-in-one injection moulds for food containers of collapsible design, i.e. the production of all component parts in a single production cycle, is our specialty.
- > The upper end of our current capabilities is represented by the so-called pallet-boxes with base dimensions of pallets.
- > Even pallet-boxes of collapsible design do not pose a problem to us.







1



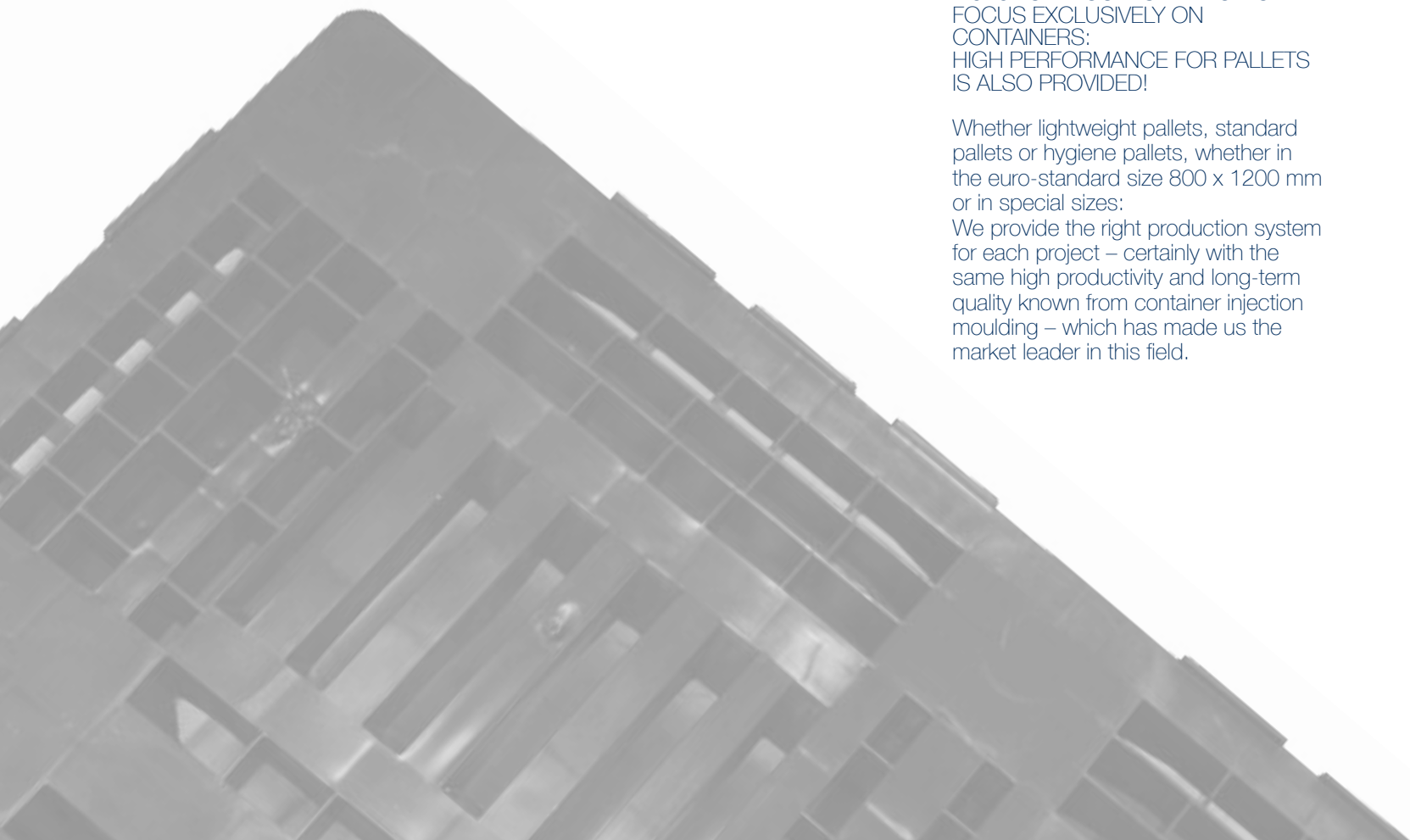


## CAPABILITIES PALLETS

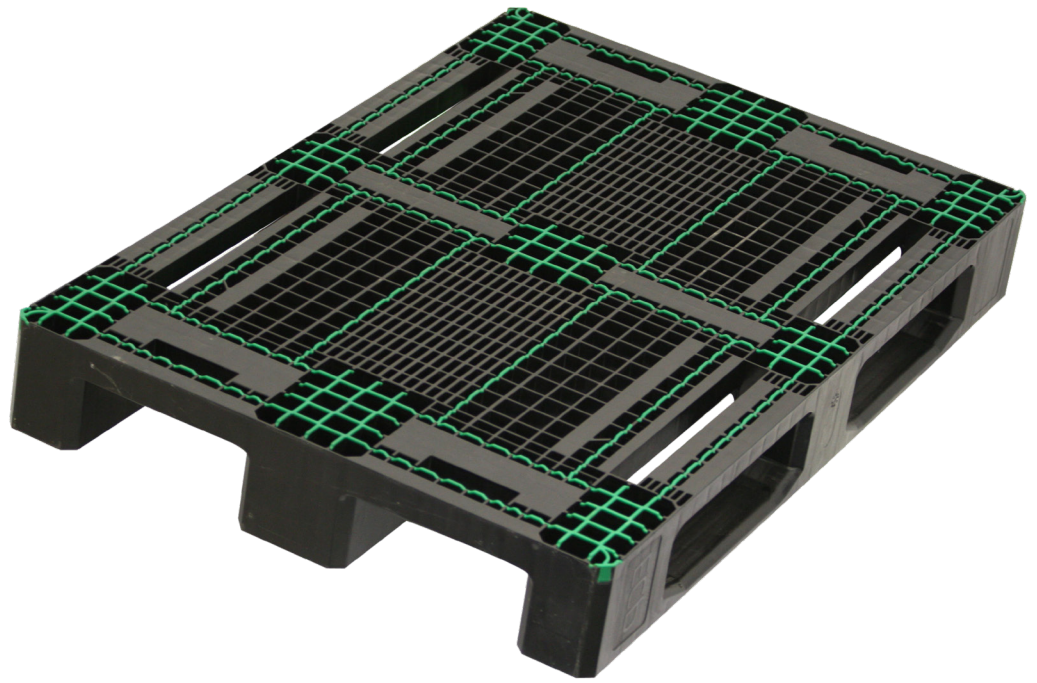
WITH RESPECT TO LARGE  
INJECTION MOULDS WE DO NOT  
FOCUS EXCLUSIVELY ON  
CONTAINERS:  
HIGH PERFORMANCE FOR PALLETS  
IS ALSO PROVIDED!

Whether lightweight pallets, standard  
pallets or hygiene pallets, whether in  
the euro-standard size 800 x 1200 mm  
or in special sizes:

We provide the right production system  
for each project – certainly with the  
same high productivity and long-term  
quality known from container injection  
moulding – which has made us the  
market leader in this field.





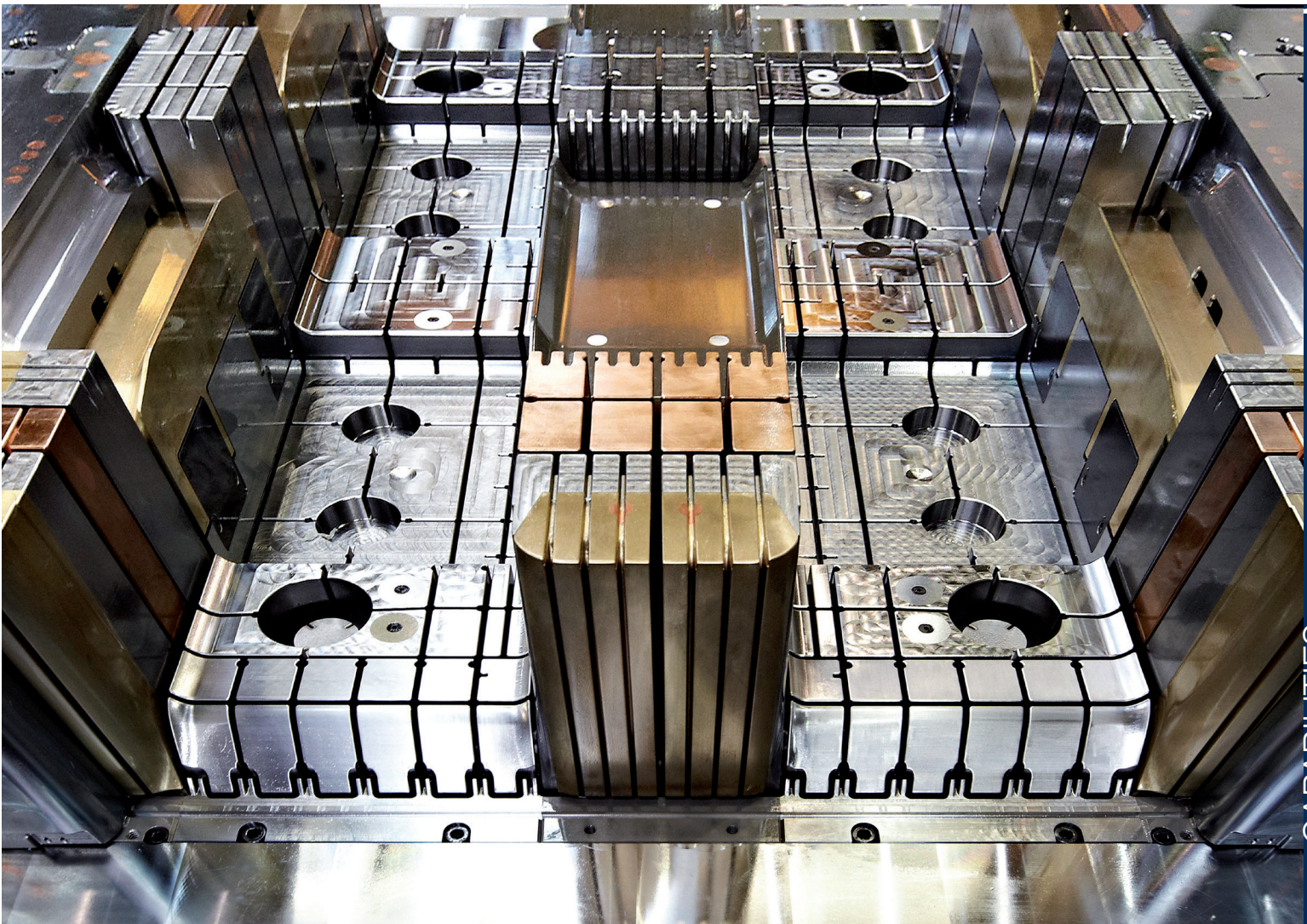


## HIGH-TECH PALLET

WE ARE THE RIGHT PARTNER TO FURTHER EXTEND THE LIMITS  
OF PRODUCT DESIGN.

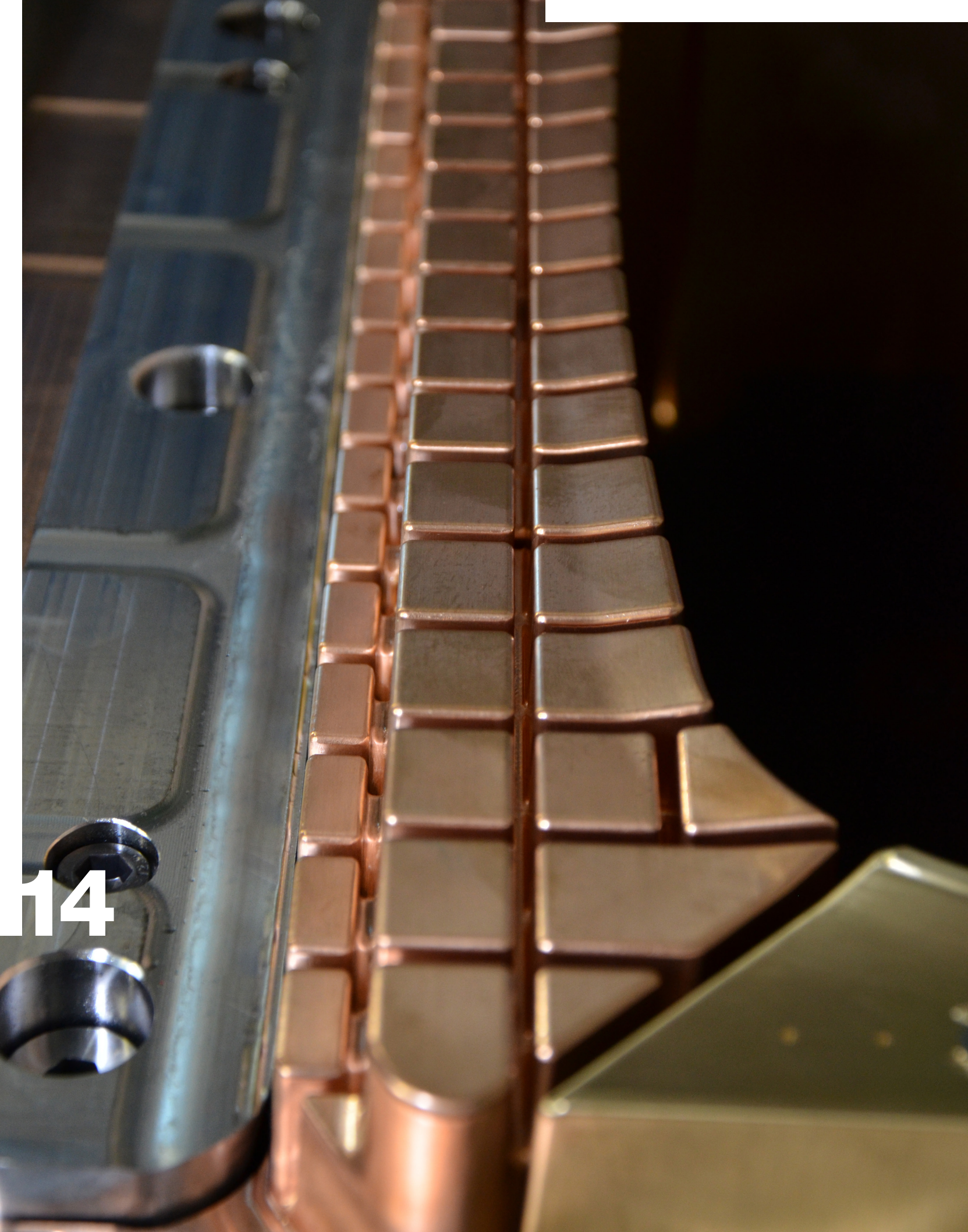
For example: We were the first to achieve a solution for mass production of a three-component pallet, with anti-slip strips on the top and bottom sides, in just one injection moulding cycle.

Stack moulds for multiple component pallets are also a part of our capabilities, as moulds for low pressure foam injection moulded pallets.





14



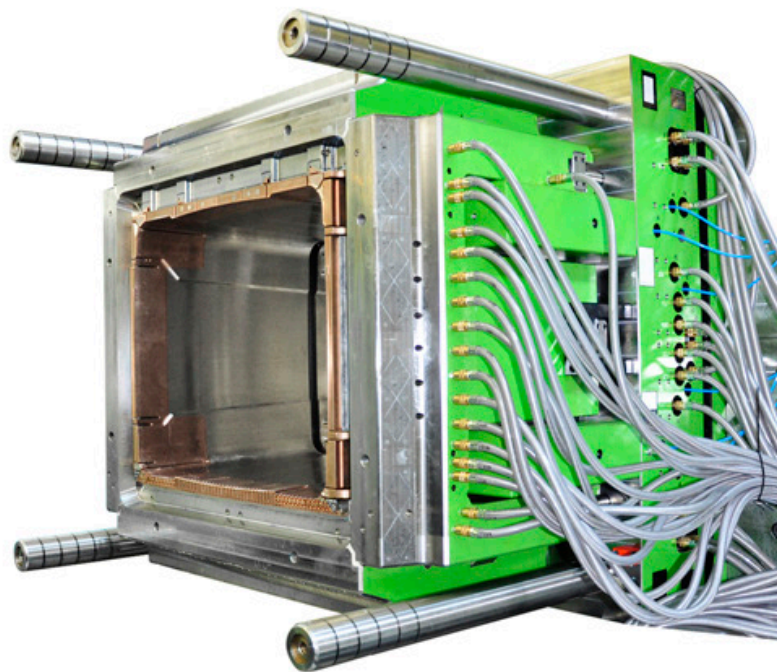
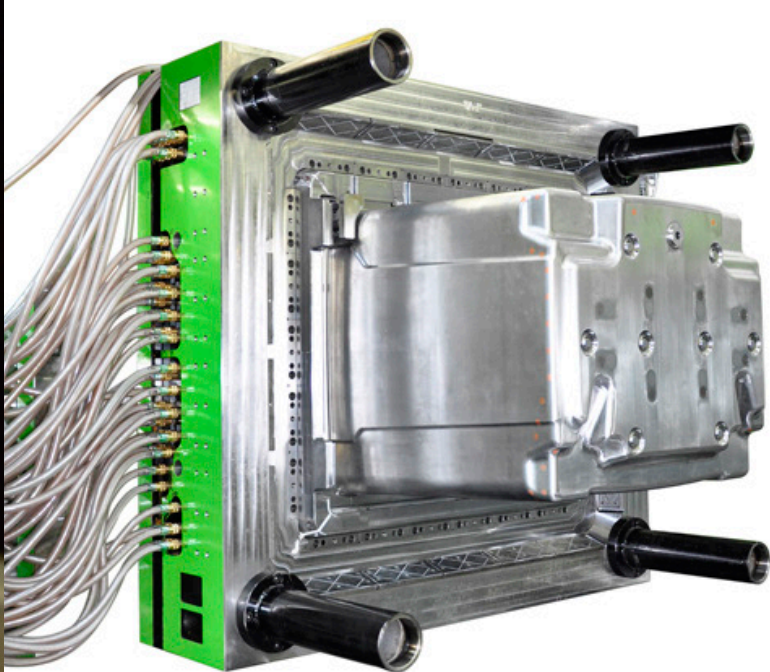


## CAPABILITIES RECYCLING CONTAINERS

We have constantly expanded our expertise and are now able to produce moulds with a total weight of up to 80 tons, with the usual HAILDMAIR quality and reliability.

The outstanding advantage of the HAILDMAIR-mould concept is its „light weight“ without any compromise regarding stability and durability. The comparison with traditional mould concepts shows a weight advantage of up to 50 percent.

Accordingly, the outer dimensions are smaller and make the use of injection moulds with smaller tiebar spaces possible. This saves you material and energy and helps you to save costs. You can profit from these advantages especially with moulds for recycling containers with a capacity of 1100 litres.







## TECHNICAL BOXES IN ALL VARIATIONS

The standards of mass production of containers for consumer and industrial goods were and are the basis for the development of our high-performance injection moulds.

With our mould design concepts, which have been highly developed and honed through international competition, we are in a position to offer the same performance level, quality standards, and durability, furthermore for technical containers or container-similar moulded parts.

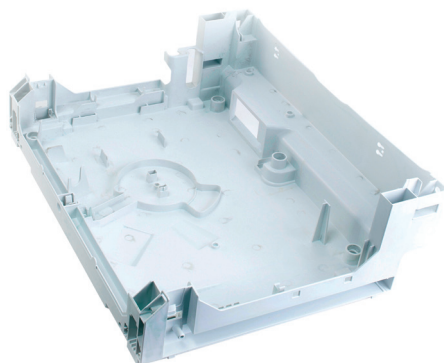
The spectrum of this product group is wide. It ranges from containers for toys to rainwater storage modules, from cutlery trays for dishwashers to chassis for household appliances or housings for TV sets.

**TAKE ADVANTAGE OF OUR EXPERIENCE TO IMPROVE PERFORMANCE IN THE PRODUCTION OF TECHNICAL PARTS!**

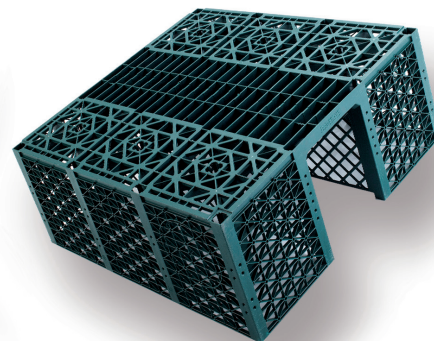
16 EXAMPLES >



Housings of TV sets

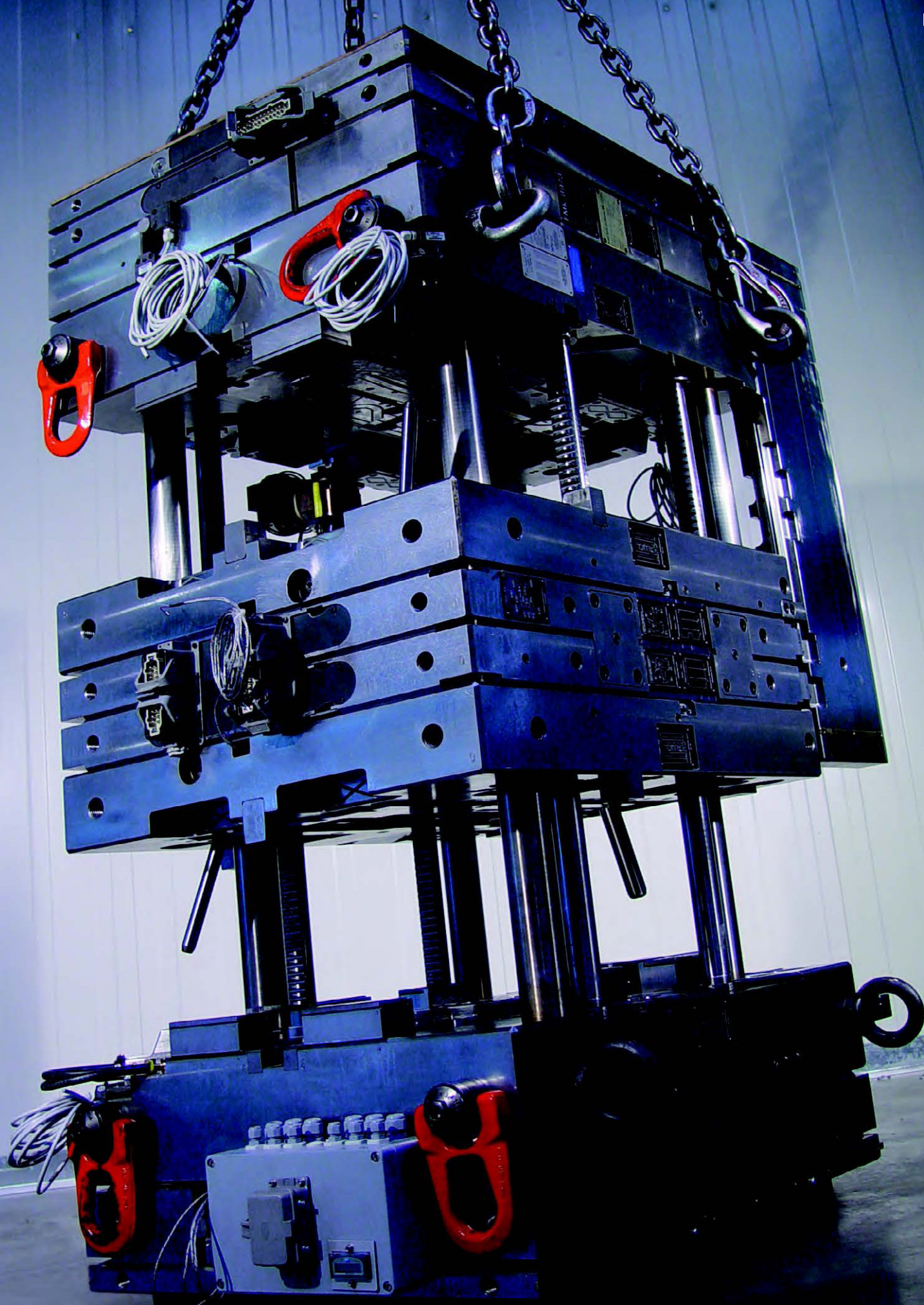


Appliance chassis and technology platform for dishwashers

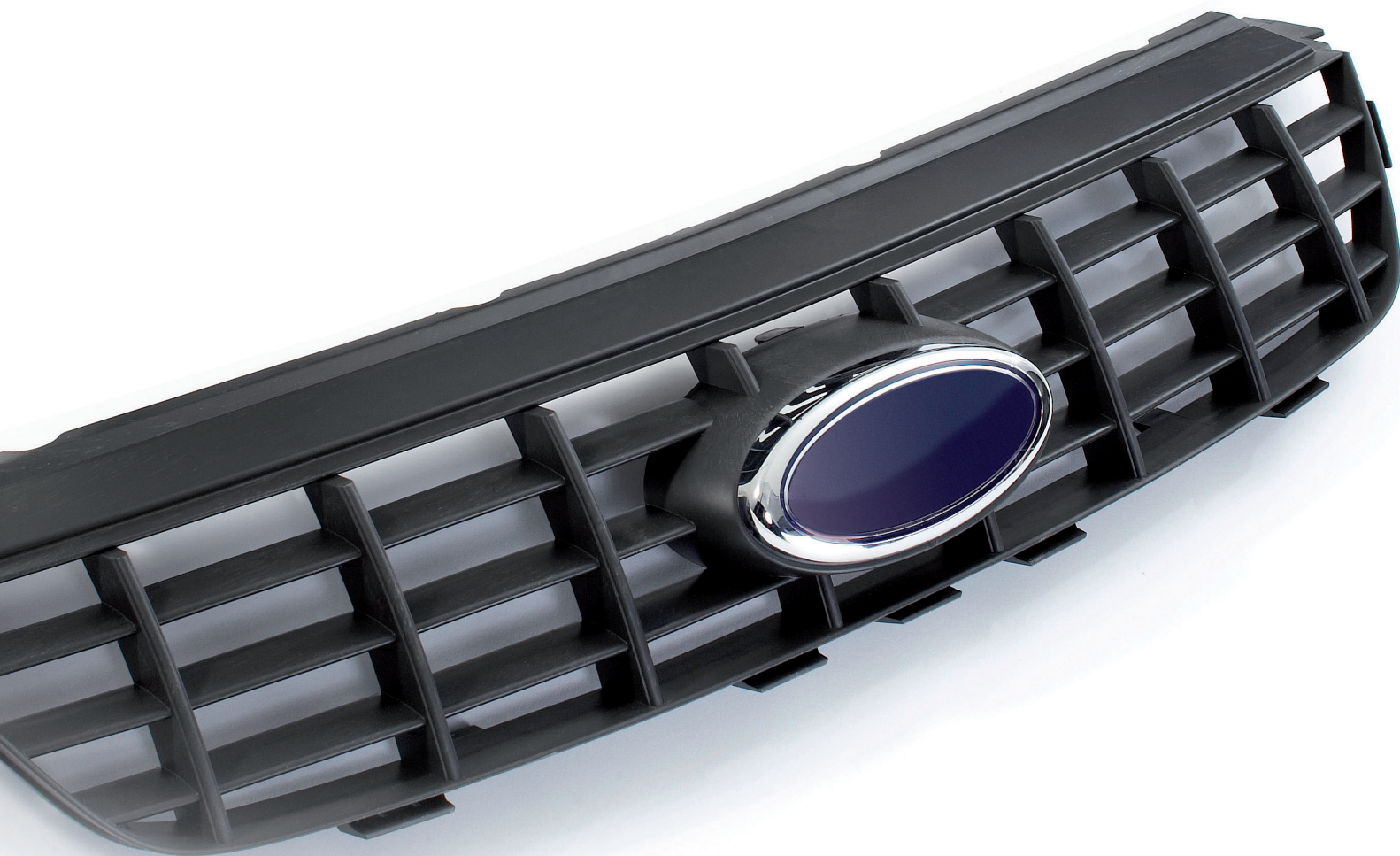


Rainwater storage module









## CONTAINER KNOW-HOW ALSO FOR LARGE TECHNICAL PARTS **SYNERGIES**

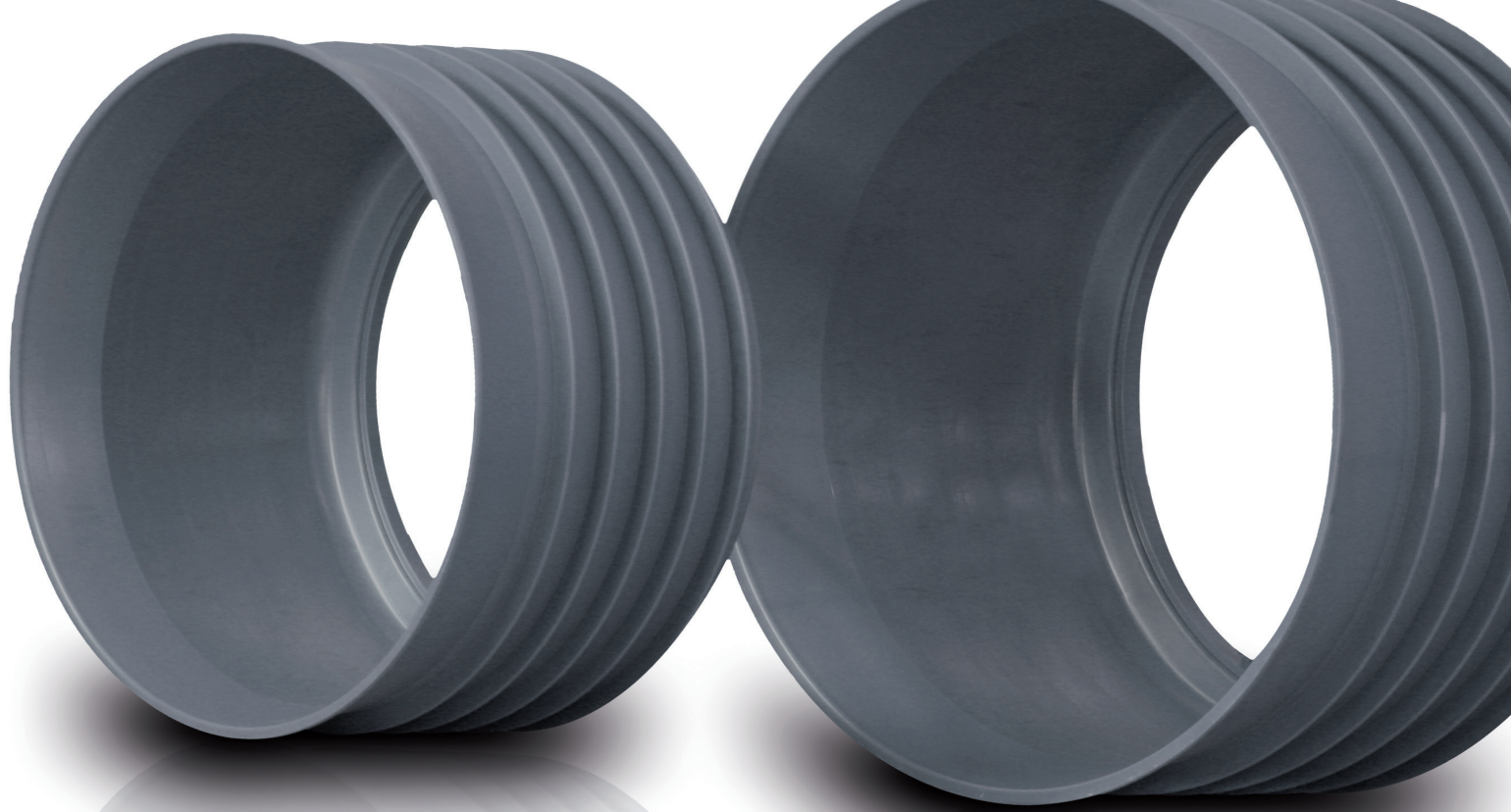
The specific HAIDLMAIR-mould-system for container production offers significant potential synergies for other products as well. This potential is not limited solely to crates or container type moulded parts. The benefits are comparatively smaller dimensions and weights of injection moulds, as well as improved operational safety and reliability in operation.

Applications range from automotive components to the plastic versions of shopping trolleys or large parts for water lines or sewer systems.

**INQUIRE ABOUT REFERENCES AND EXAMPLE PROJECTS!**







Haidlmaier Moulds  
**YIELD TECHNICAL PARTS IN TOP FORM**



19









## INTERNATIONAL SERVICE **WE WON'T LEAVE YOU ALONE!**

QUICK SERVICE ON-SITE OR IN-HOUSE AT HAIDLMAIR

Service is very important for us, therefore our responsibility does not end with the shipping of our moulds. Best possible service for us means a partnership for regular mould maintenance and quick and competent help when it comes to problems in your production.

In most parts of Europe, our highly qualified experts will visit your factory with our service truck and take care that your production quickly runs again without any problems. Additionally our service experts can guide your technicians with data glasses location-independent.

HAIDLMAIR application engineers support and train the customer's technicians in proper operation and maintenance of the injection moulds upon request.

## **PACKAGES** PERFECTLY CUSTOMISED SOLUTIONS

Each service has different reasons. Therefore we compiled various service- and workshop packages. These packages can be perfectly tailored to your special needs upon request.

**OUR INTERNATIONAL SERVICE-TEAM EXPERTS  
WILL BE HAPPY TO ASSIST YOU!**





22

## ADVANCED SIMULATIONS FOR YOUR OPTIMISED PRODUCT

A simulation will be made with every HAIDLMAIR-mould as a standard procedure during the concept phase. This ensures a high quality product prior to the beginning of the design to avoid unnecessary optimisation loops in the production.

With our additional offer „Advanced Simulations“, we provide you with another possibility to perfect your product and tune the mould further more.

Following parameters and process options can be analysed for your „Higher Productivity“:  
e.g. filling, gate position, holding pressure, cooling, warpage, insert overmoulding and many more.

**CHOOSE YOUR SUITABLE PACKAGE FROM OUR OFFER!**





23

HAIDLMAIR stands for "Higher Productivity". With a HAIDLMAIR mould you will not only be supplied with forming precision, but with an injection mould that renders more profit including all additional HAIDLMAIR services integrated in an all-round carefree package.

Already prior to the start of mould manufacturing HAIDLMAIR offers you the opportunity to have your product printed as a 3D model. By doing so, optimisations of the production process can be recognised at an early stage, which makes your product perfect.

HAIDLMAIR has a 3D printer using the FDM technology. This allows to manufacture prototypes of your products up to large-size crates. In addition HAIDLMAIR has a 3D-printer for various types of metal. The range of the „Advanced Technologies“ is complemented with a computer tomograph and most modern measurement equipment for part measurement.

**ADVANCED TECHNOLOGIES** **WE LOOK FORWARD TO OFFERING YOU OUR**  
**FOR HIGHER PRODUCTIVITY** **CUSTOM-TAILORED PACKAGE.**



PROTOTYPING





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