

MOULDED MAKING

H/AIDLMAIR

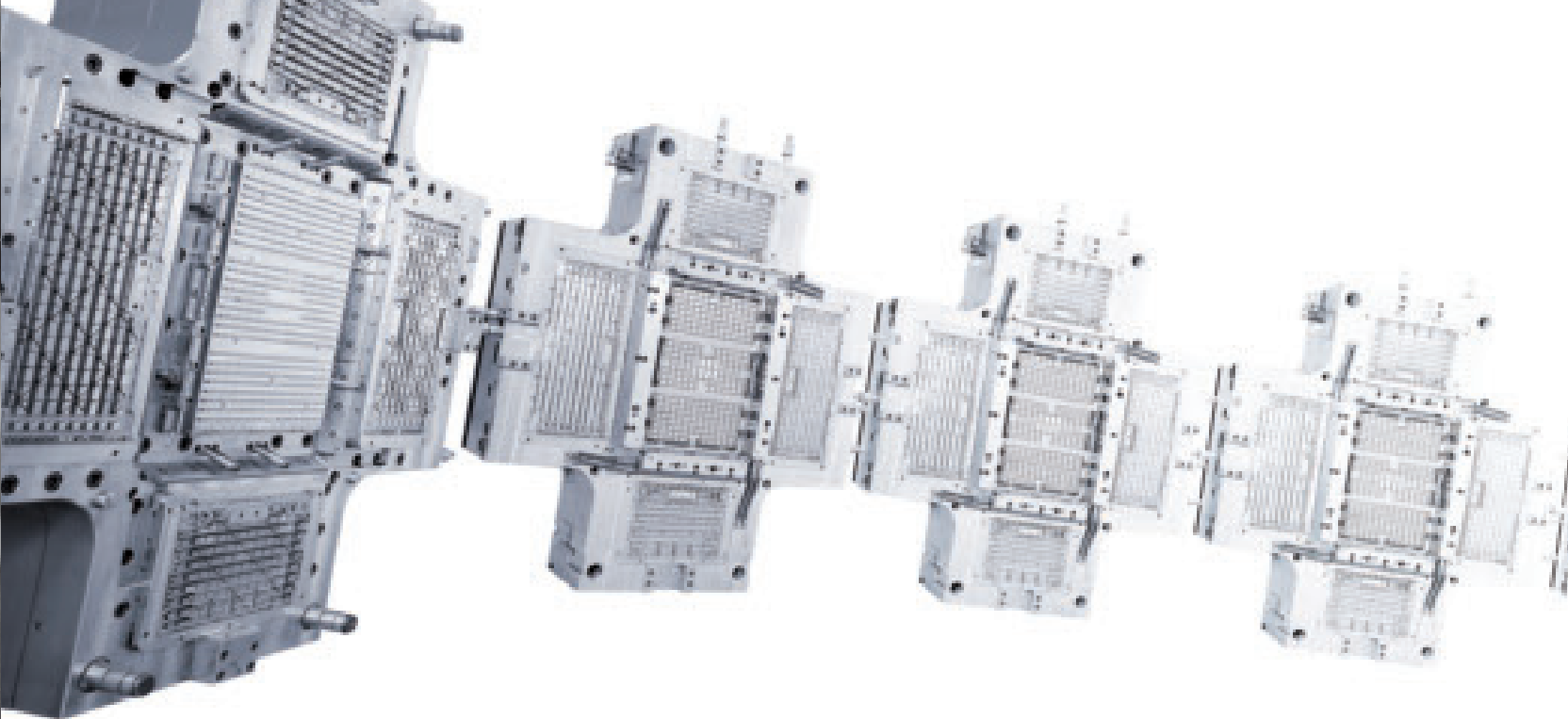


CRATES, BOXES, CONTAINERS, PALLETS MADE OF PLASTIC ARE

OUR
WORLD



> FROM THE BOTTLE CRATE TO THE PALLET-BOX,



...BUT ALSO CHASSIS OF LARGE HOME APPLIANCES OR THE FRAMES AND HOUSINGS OF TV SETS AND COMPUTER MONITORS.

More than 30 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 70 tons.

Mould making to us is not exclusive manufacturing technology, but also application engineering at a sophisticated level – from multi-component injection moulding, to in-mould labeling, including gas or water injection moulding technology –

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 ITS 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.

Of topical interest is the plant in Nussbach with over
10,000 m² of production space, 50 CNC machine centers
and some 200 staff and headquarter of a company group
with a total of seven plants and 500 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 the shopping trolley to the TV housing

Moreover, also injection moulds for packaging and medical parts
as well as extrusion dies for production of foils and sheets 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.

> MOULD&MATIC SOLUTIONS GMBH - MICHELDORF/UPPER AUSTRIA AND SLUSOVICE/CZECH REPUBLIC

50/50 Joint Venture with Greiner Packaging.

Automation technology and deep drawing tools for packaging, injection moulds for medical parts

www.mouldandmatic.com**> HSC HAIDLMAIR SCHLIERBACH COMPANY GMBH - SCHLIERBACH/UPPER AUSTRIA**

Manufacture of stamping, bending, and deep drawing dies, special parts manufacturing

www.hsc-werkzeugbau.at**> HTM Plc - SZEKESFEHERVAR/HUNGARY**

Production of injection moulds, as well as tools of medium size and complexity for die casting and stamping

www.htm-alba.hu**> EMO EXTRUSION MOLDING GMBH - MICHELDORF/UPPER AUSTRIA**

Development and manufacture of flat dies for film and sheet extrusion

www.emo.at**> HSCM HAIDLMAIR SERVICE CENTER MONHEIM GMBH - MONHEIM/GERMANY**

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

> HSCE HAIDLMAIR SERVICE CENTER EBENSEE GMBH - EBENSEE/UPPER AUSTRIA

Service company for mould maintenance at the premises of the garden and leisure furniture manufacturer

PPI (Plastic Products Innovation) in Ebensee/Upper Austria

GMBH MOULDMAKING



05

THE STABLE
FAMILY BUSINESS





07

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 fifth 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 is ready to lead 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 20 years of specialization and over 1000 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 >



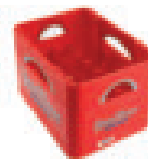
> Bottle crate with extra large grip handle openings and increased grip surface, exterior surface in wood design, labels subsequently applied.



> 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.



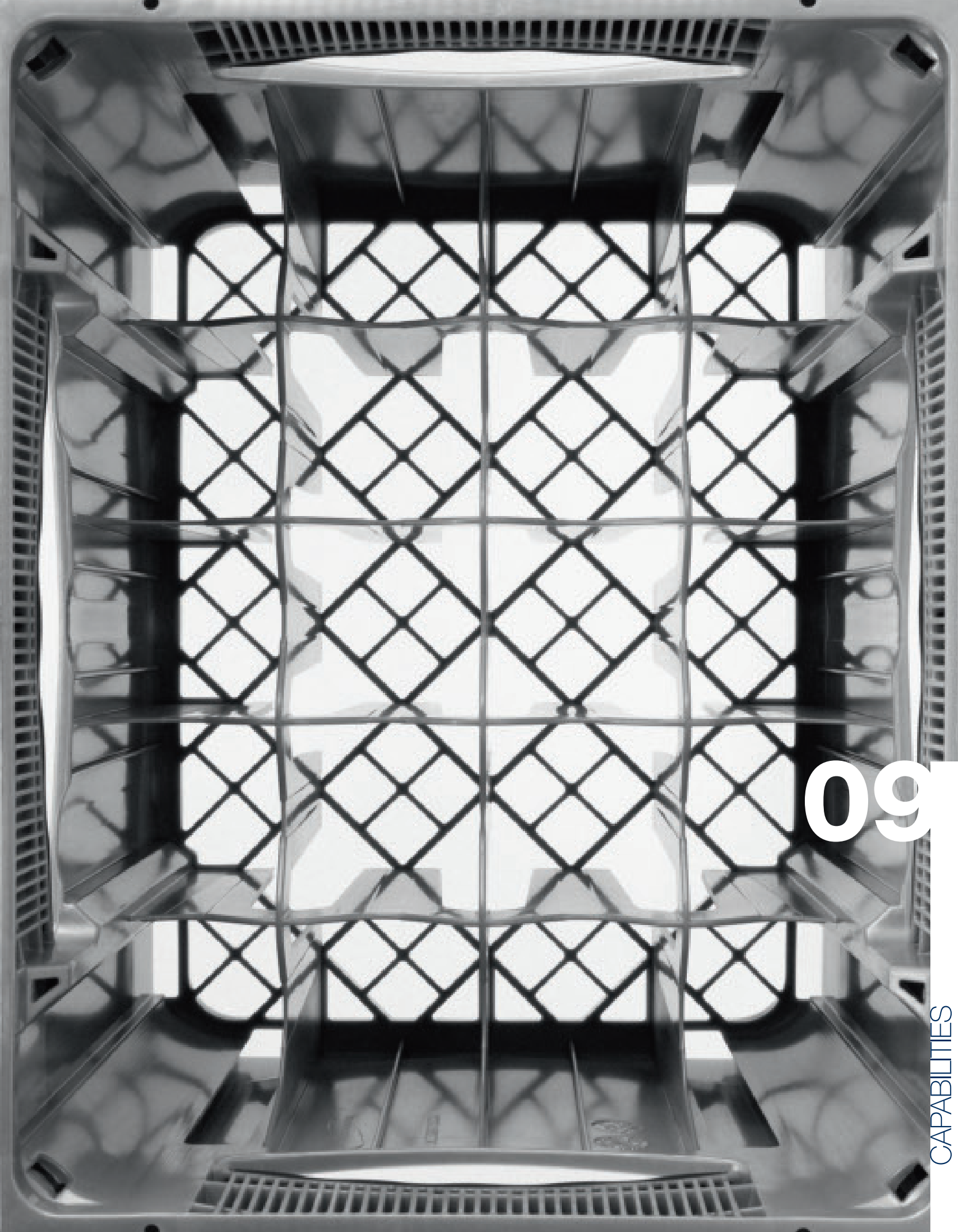
> Bottle crate in rounded corner design with elastomeric grip inserts. Lettering subsequently applied.



> 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.



09



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!

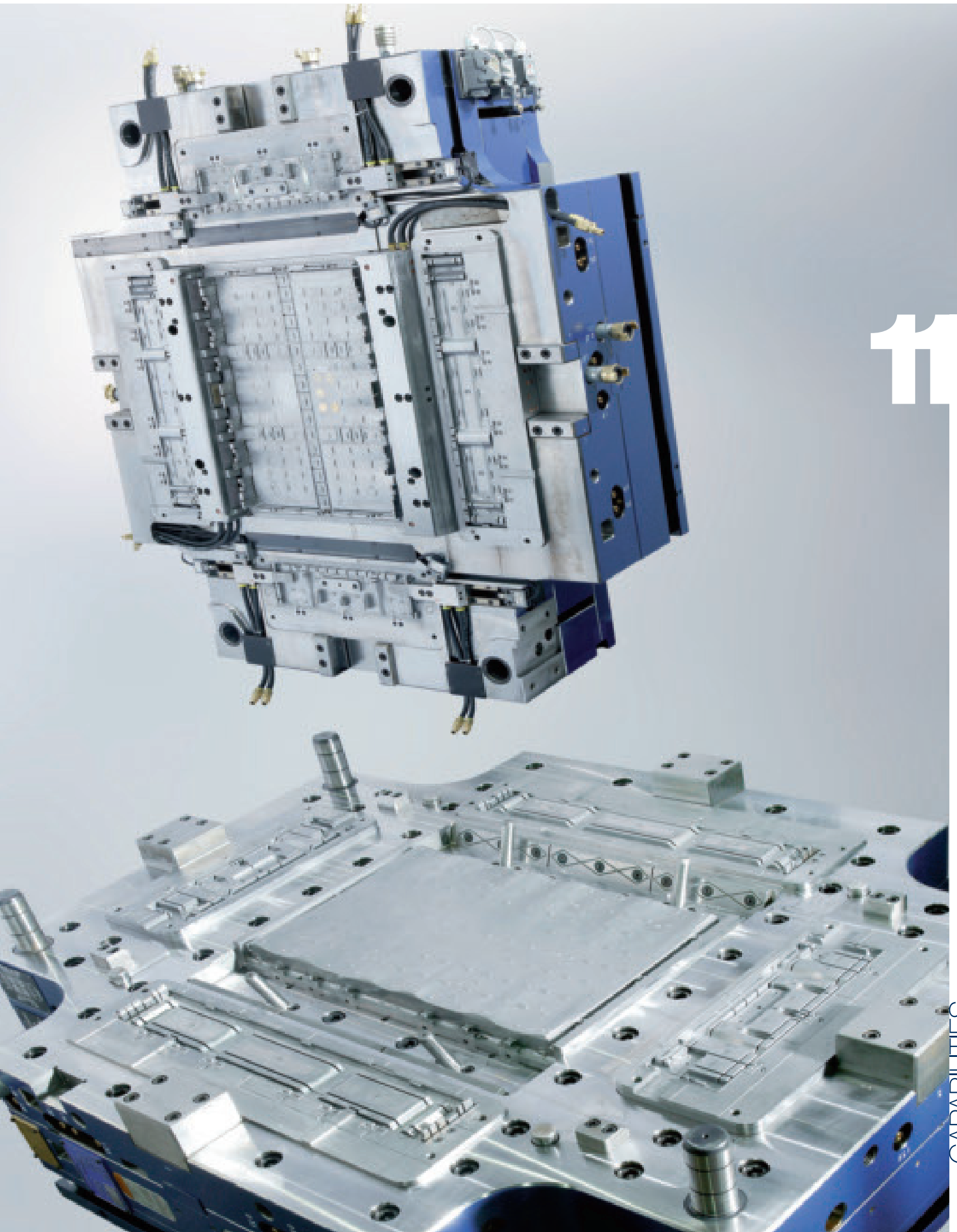
Our capabilities for injection moulds currently reach up to sizes with a total weight of 70 tons, in single or double cavity design, with a parting line arranged side by side or behind one another in stack.

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.





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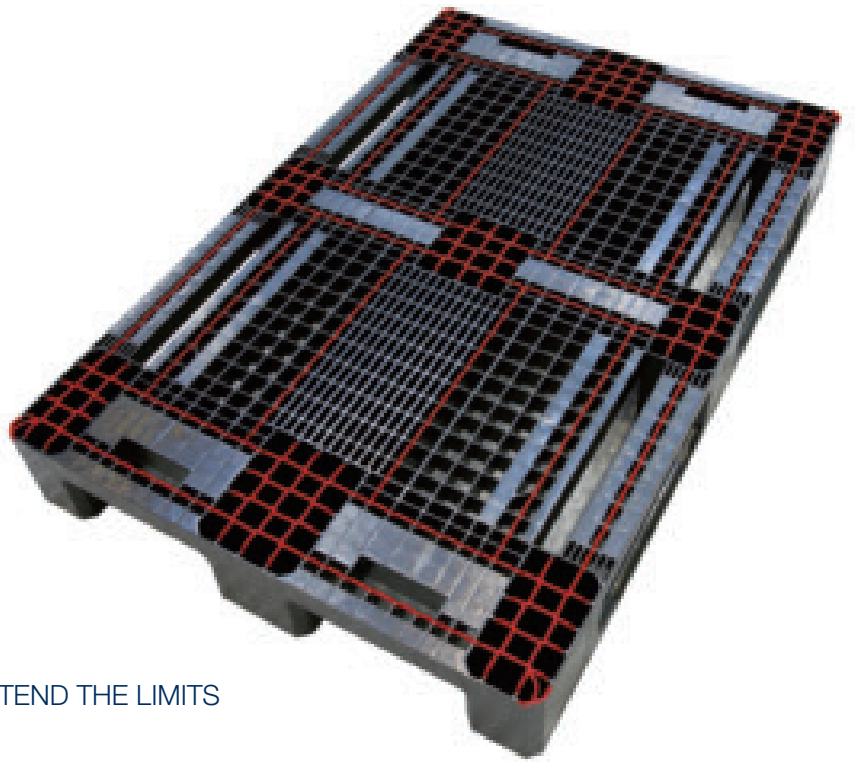
CAPABILITIES **PALLETS**

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.



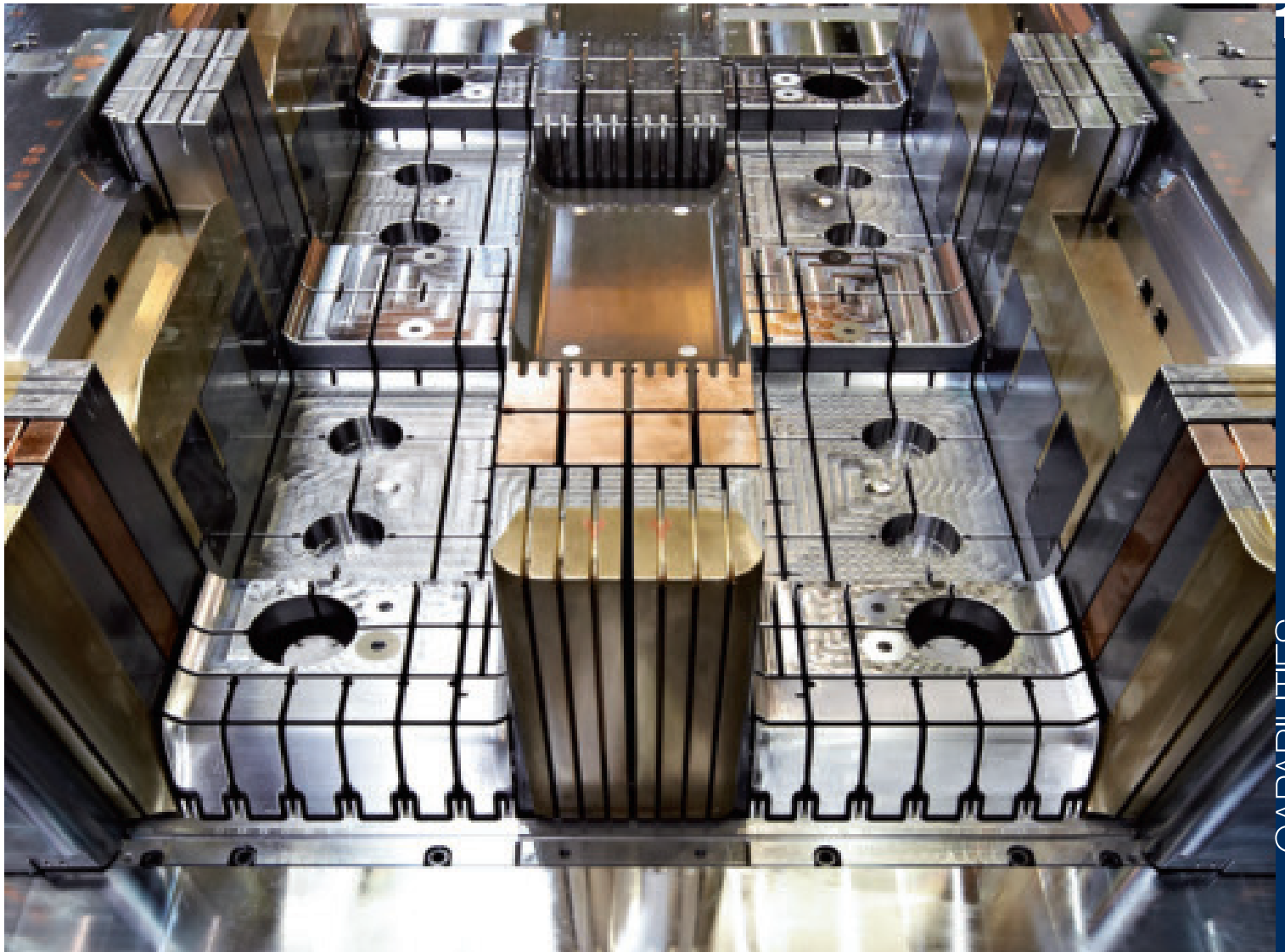


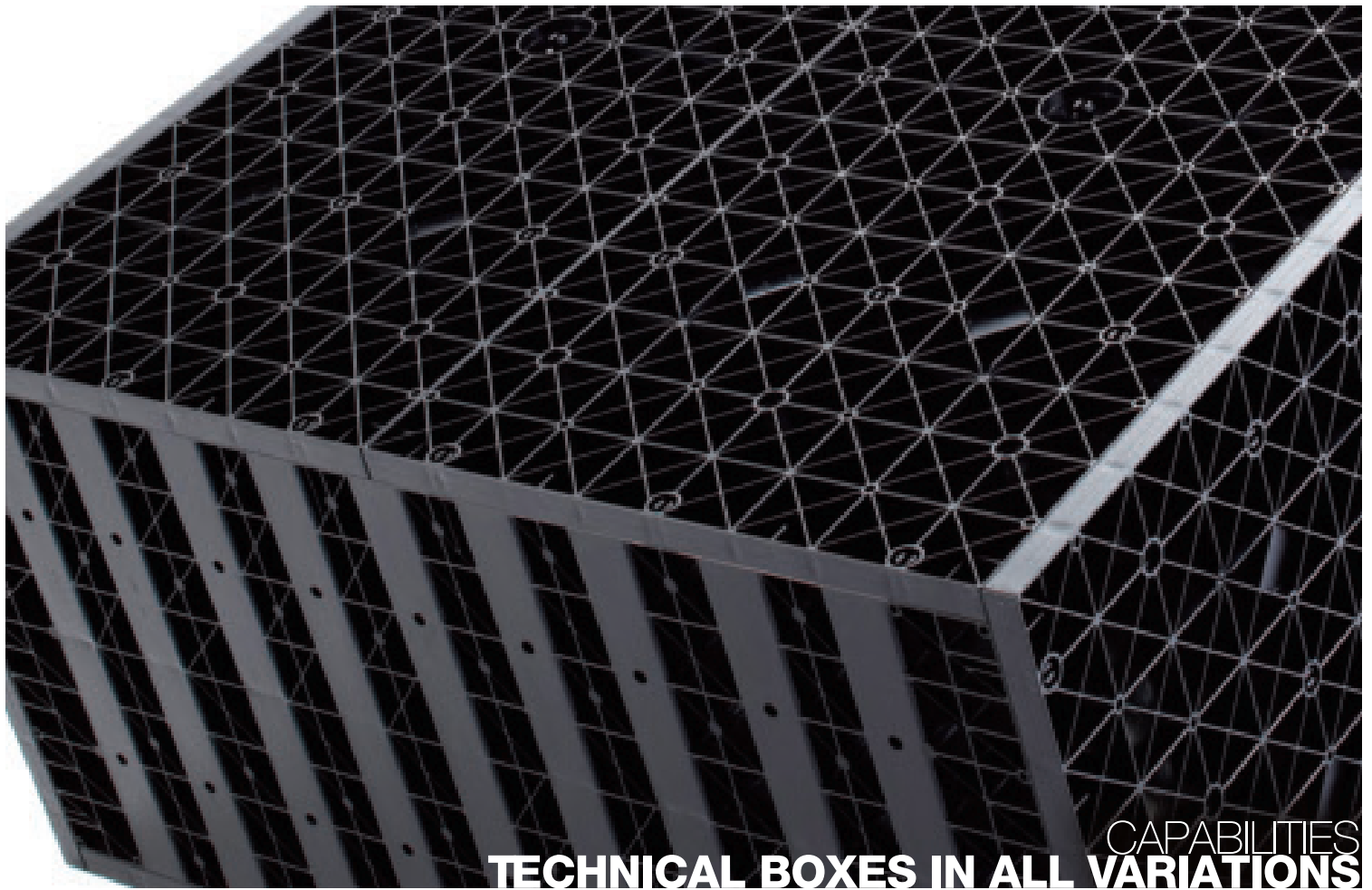
HIGH-TECH PALLET

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.





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!

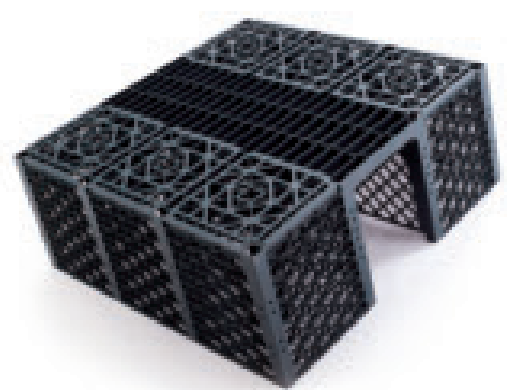
14 EXAMPLES >



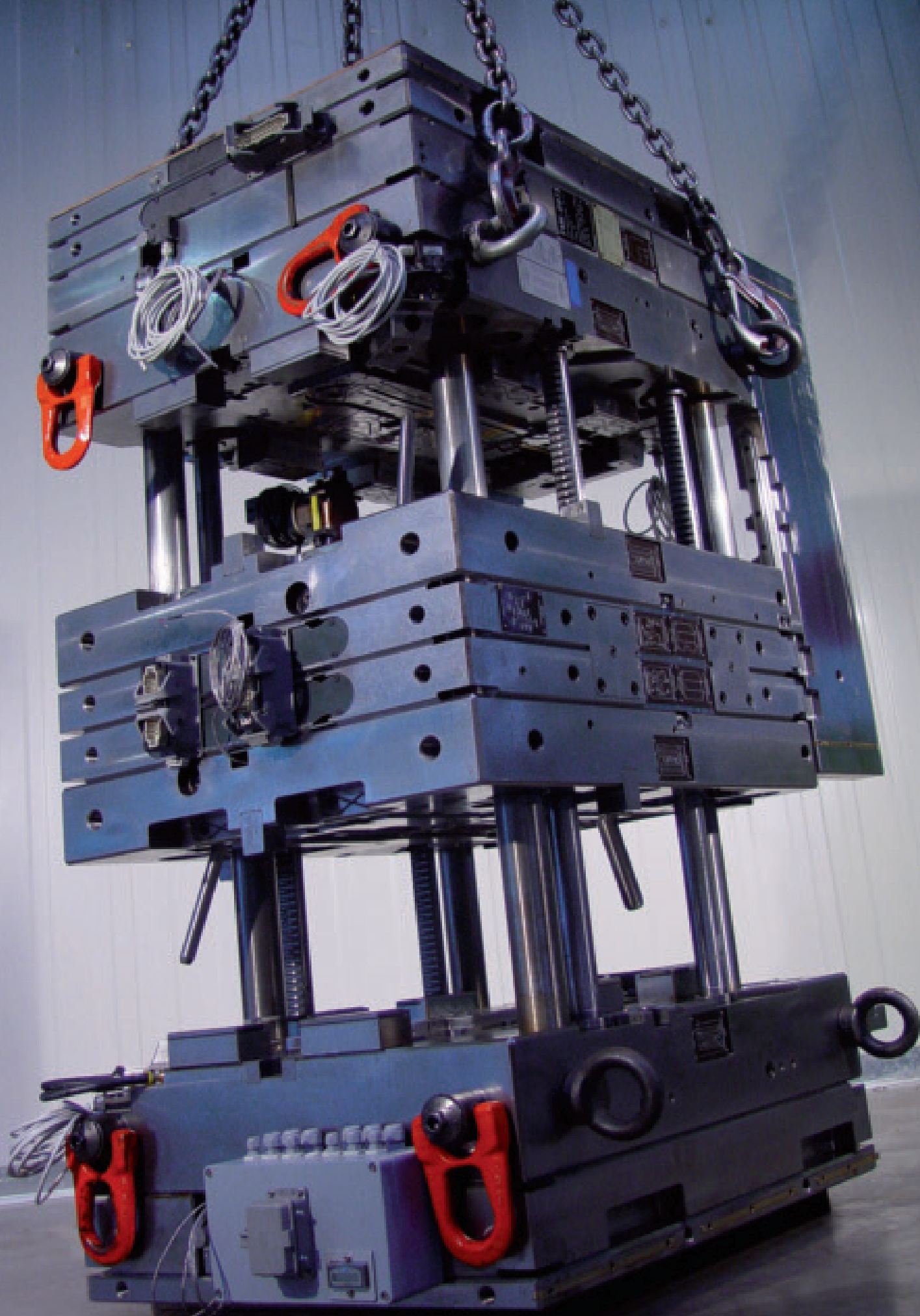
Housings of TV sets



Appliance chassis and technology platform for dishwashers



Rainwater storage module





SYNERGIES

CONTAINER KNOW-HOW ALSO FOR LARGE TECHNICAL PARTS

The specific HAIDLMAIER-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!

16





HADLMAR MOULDS
YIELD TECHNICAL PARTS IN TOP FORM



17



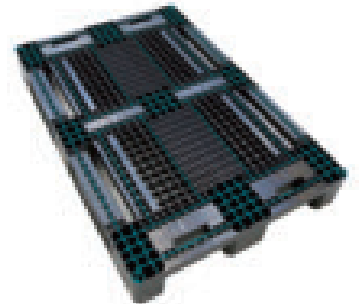
Technical housing component in two-color design



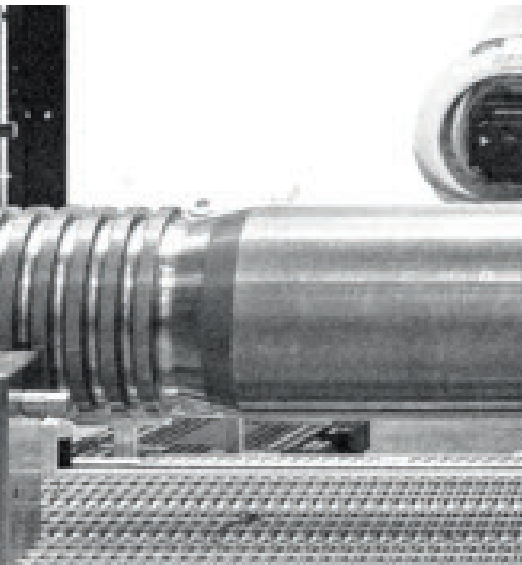
Bottle crate with decorative labeling and elastic handles



Bottle crate with elastic corner inserts



Euro-pallet with anti-slip strips



CAPABILITIES **MULTI-COMPONENT INJECTION MOULDING EVEN WITH LARGE PARTS**

WE COMBINE SIZE AND MULTI-COMPONENT INJECTION MOULDING

Mould manufacturing means more to us than metalworking in medium to large dimensions, particularly the integration of process technology at a sophisticated level.

We provide large mould solutions for:

- > Multi-component injection moulding
- > In-mould-labeling.

We offer the opportunity to take advantage of material combinations applying to large moulded parts as well!

EMPHASIS IS ON **EFFICIENCY**

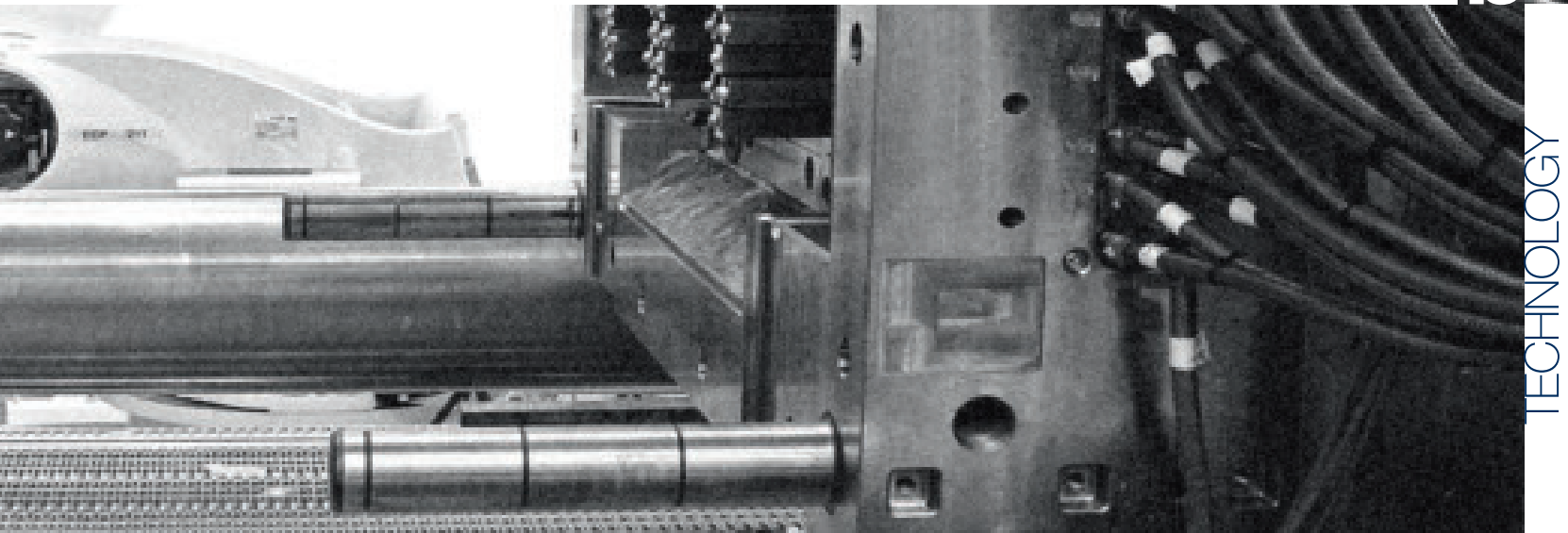
THE TECHNICAL SPECTRUM IS MULTIFACETED

It encompasses the entire variations of multi-component injection moulding, from the in-mould slide technology to the proper over-moulding moulds. In any case, our engineers place emphasis on the most cost-efficient production.

As a result, we also provide solutions apart from the standard, e.g. through the use of add-on injection units mounted on the injection moulds, for particularly large volume differences between the first, second, and third component.

Or we realize the part transfer technology, in which the second or third component is added in a separate injection moulding system.

THERE ARE NO LIMITS TO OUR CREATIVITY – FOR YOUR ADVANTAGE!





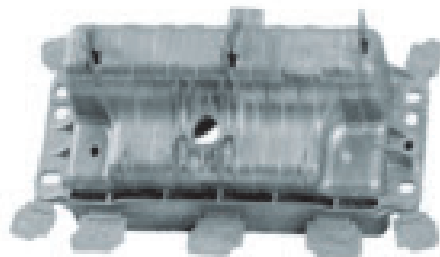
TOP-PERFORMANCE
ALSO IN DIE CASTING AND FLAT PARTS MOULDING

Our experience and expertise have grown to the requirements and conditions of use of large-scale production of containers and pallets. This is our benchmark and basis for the realization of special projects aside from the rectangular components, such as injection moulds for complex automotive components. Examples are wheel housings or door panels, underbody panels or instrument consoles. Even moulds for die casting rate among the manufacturing portfolio of HAIDLMAIR.

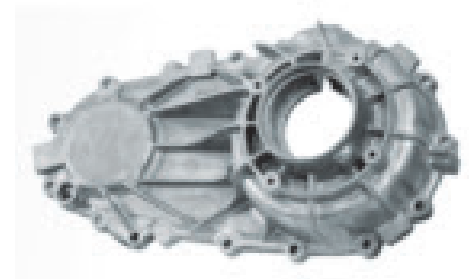
CONVINCE YOURSELF OF OUR CAPABILITIES!



Component carrier for car door



Die casted component for car engine oil pan



Die cast gear housing part



Radiator grille for automobile



Wheel housing lining for trucks



Truck fender

DEVELOPMENT AND APPLICATIONS ENGINEERING

WE NOT ONLY MANUFACTURE MOULDS,
WE ARE ALSO YOUR PARTNER IN DEVELOPMENT

From the beginning, mould manufacturing meant more to us than fulfilling customer orders. As a result, we not only continue to further develop our mould technology, but offer our experience and capabilities for component optimization.

OUR TANGIBLE RANGE OF SERVICES:

- > Cooperation in design development
- > Cycle optimization
- > Application engineering assistance
- > Operation training



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