



Thermoforming
For Any Application Field

INNOVATIONS THAT SHAPE THE WORLD OF PLASTICS.





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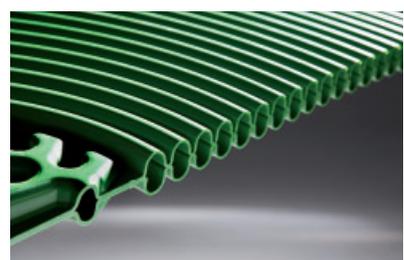
The DUROtherm Group specializes in the development and production of vacuum formed parts as well as PU- and RRIM-foam plastic parts. The product range of DUROtherm is based on two pillars: innovative moulded parts, whose variety of designs and form sizes leave nothing to be desired and can be used in virtually all industries. The second business area comprises custom made reusable packaging and standardized reusable packing as well as cost-saving collapsible container systems, which are becoming increasingly important in logistics processes.

EXPERTISE AT A GLANCE

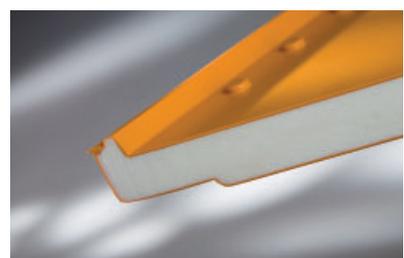
- Decades of experience and know-how in plastic forming
- Full Service: design, production and services from one source
- Fast capacities by big, ultramodern machinery as well as 3-shift manufacturing
- Mould size up to 4200 x 2500 mm
- In-house construction of models and jigs
- Product- or application-specific process technologies: single-sheet- and twin-sheet thermoforming, PU-foam technology, respectively RRIM technology
- Precise further processing on state-of-the-art milling lines
- Large assembly department, assembly of entire component groups



Single-Sheet Technology



Twin-Sheet Technology



PU- / RRIM-Technology

COMPREHENSIVE SERVICE: FROM A SINGLE SOURCE

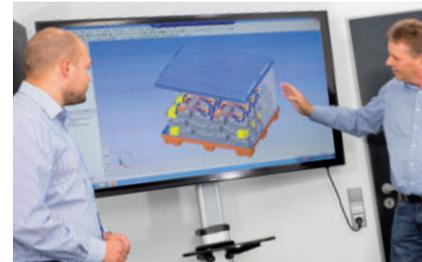
One of our various competitive advantages is our full-service range of products: service, planning, development and construction, prototyping, series production and logistics – at DUROtherm you get all services from a single source. From a simple single development to complex overall developments even of several system components – from a small moulded part to huge moulded parts – from a small scale production to a large scale production: DUROtherm is the ideal Partner to meet all demands of thermoforming of plastics.

Due to the well-founded know-how of the employees and the state-of-the-art and innovative machinery, DUROtherm is one of the largest thermoforming companies in Europe today. Enormous production capacities allow it to carry out even large orders with consistently high production quality, cost-effectively within a very short time. One of the largest thermoforming plants in Europe for contract manufacturing can also produce extremely large parts up to 4200 x 2500 mm.

- Competent advice, careful planning
- High-tech CAD construction
- Prototyping: fast and customizable
- Series production in consistently high quality, precise finishing and assembly
- Well thought-out logistics processes

OPTIMAL TECHNOLOGY FOR EVERY TASK

Depending on the individual task DUROtherm can employ an appropriate technology: in addition to classic single-sheet thermoforming, where a single sheet of plastic is thermoformed, DUROtherm also manufactures moulded parts by twin-sheet technology: in this case, two sheets are thermoformed and welded together afterwards. On top of that, we employ PU-foam technology and RRIM-technology. With PU-foam technology we can produce homogeneous PU-foam parts or fill single-sheet or twin-sheet parts with foam or backfoam them.



THERMOFORMED PARTS FOR VARIOUS SECTORS

Thermoformed parts produced by DUROtherm by single-sheet or twin-sheet thermoforming technology show their advantages in small or in huge form sizes and in the high flexibility of design, characteristics of material and surface finish. DUROtherm has decades of experiences in thermoforming of plastics and is the ideal partner for the supply of thermoformed parts with all kinds of different requirements – for small and large series.

- Shorter machining of tool manufacturing
- Very low mould costs
- Suitable for prototyping and small series, too
- Series up to 20,000 pieces a year or more can be implemented economically
- Very solid parts can be realized by twin-sheet thermoforming
- Negative tools with structured chemically milled surfaces enable injection-moulding surface appearance



Bird protection cover for power lines



Cultivation container for plants



Rear light carrier for motorhomes



Back shell for railway seats



Front grill for electric vans



Wheel cover



Rear bodywork for ride-on forklift



Cladding for aircraft seats



More product examples:
www.durotherm.de



Door panel for motorhome



Cover for heating control



Thermobox for food



Side panel for cardio trainer



Dashboard for electric vehicle



Cover for combine harvester

INDUSTRY EXAMPLES

- Vehicle construction:
- Motorhomes
- Electric vehicles
- Commercial vehicles
- Special vehicles
- Agricultural engineering
- Aviation and rail traffic
- Mechanical engineering
- Sports and leisure
- Medical engineering
- Event construction
- Presentation equipment
- Sanitation, heating and air conditioning
- Furniture construction and shop fitting
- Gardener's supply
- Your industry?

SECURE STORAGE AND TRANSPORT

No matter if you need cost-saving collapsible container systems, custom-made or standardized reusable packaging, all DUROtherm packaging is suited for its individual purpose and enables easy, employee-friendly handling. It is reusable and replaces non-reusable packaging made from cardboard or wood. Depending on the system, the volume is reduced by more than 80 % when stored empty. Consequently, transport volume and costs are reduced. Our Packaging is very durable before it can be recycled by 100 %.

- Good value for money
- Reliable protection of transported goods
- High stability and ruggedness
- Lightweight
- Efficient packing density
- Cost saving through reduction of volume
- Wide range of colours and material
- Easy handling, easy cleaning and maintenance
- Durable, fully recyclable





Transport tray for clutch cover



Workpiece carrier for drive shafts



More product examples:
www.durotherm.de



Transport tray for tripods



Stacking container for gears



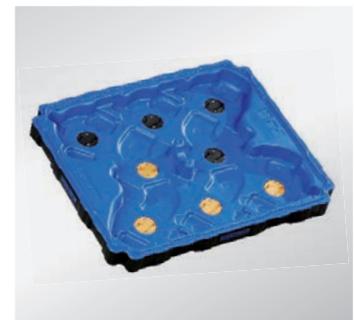
Mould insert for wheel bearings



Intermediate layer for double clutch



Stacking tray for wheel bearings



Liner for stanchions



Wheel liner (VDA 4503)



Cover for clutch housing



Container-optimised folding container



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YOUR POWERFUL PARTNER FOR THERMOFORMED PARTS

Specialist for vacuum formed parts since 1968. DUROtherm's primary concern is comprehensive customer satisfaction in all areas of collaboration. All our thoughts and actions and all processes are focused on this goal.

This strict focus on customer requirements is achieved both through sound consultation combined with technically perfect thermoformed parts, and also through a high degree of flexibility and reliability. Our friendly, helpful, well-trained staff is another factor that ensures consistent achievement of this goal.

The highest standards of quality, maximum flexibility and dependability, combined with cooperativeness and fairness are factors that contribute to our success, making DUROtherm a business partner that delivers high performance – now and in the future.

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