

Containers and inserts



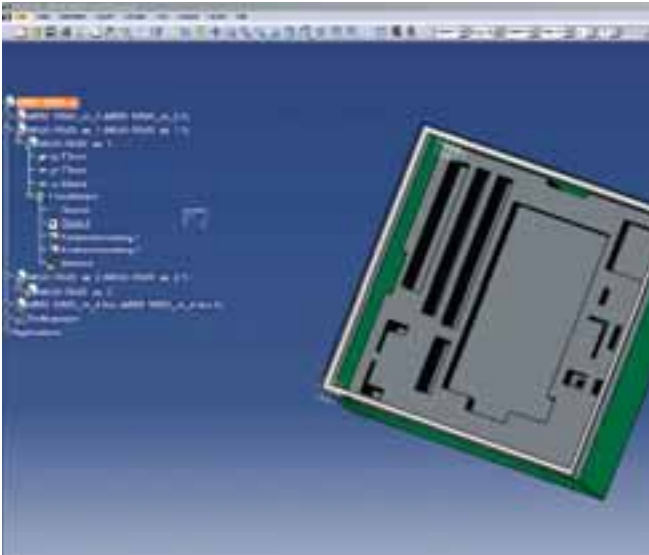
International Packaging Solutions
... always one step ahead.



Brangs + Heinrich
INDUSTRIAL PACKAGING



Made-to-measure packaging



Developing packaging with the aid of the latest CATIA V5 software

More and more often, companies are demanding customized packaging solutions which are individually designed for a specific product or work process. At Brangs + Heinrich Industrial Packaging, engineers are constantly developing new packaging solutions at the Packaging Development Center (PDC) – from simple dividing elements right up to innovative logistics concepts.

Using the latest CAD software "CATIA V5", the PDC is able to fulfill just about any demands. Rapidly-designed samples, pilot lots and small series are examples of the PDC's competencies. This enables products to be realized with an extremely short time-to-market which also saves on costs.

At Brangs + Heinrich Industrial Packaging, you'll always find just the product you're looking for.

The packaging market is constantly demanding higher and more individual requirements. This is where our packaging development center comes into play because it develops customized packaging solutions for you. To help you choose the right packaging products, the packaging materials we use to manufacture constructive and re-usable packaging are listed vertically in the following matrix. Typical applications are listed horizontally. Via these you'll soon find the packaging materials you need. Try it out and ask us to send you more information!

	Shipping and storage	Product separation	Protection against dynamic stress (shocks, vibrations)	Fixation	Protection against thermal stress	Surface protection	Packaging for heavyweight goods
Plywood boxes	■						■
Reusable containers	■						■
PROPYwell corrugated plastic dividing elements	■	■				■	
Containers (plastic – metal)	■						■
Workpiece carriers, deep-drawing (PP; ABS, PVC)	■						■
EPP containers	■	■			■		
Polyurethane flexible foam	■	■	■		■		
Polystyrene preforms	■	■	■		■		
Polyethylene foam preforms	■	■	■		■		
Polypropylene foam preforms	■	■	■		■		
Deep-drawing preforms	■						
Pull-back pallets	■						
Wooden and plastic pallets	■						■
Compressed wood pallets	■						■

PROPYwell – highly versatile re-usable packaging

PROPYwell is a double-layered material made of polypropylene which can be used to make interleaving, dividing elements, crates, trays and boxes. PROPYwell is made of corrugated plastic sheets and looks rather like corrugated cardboard.

This material can be pressed, bonded, welded or riveted. Combined with foam, it's also suitable for safely transporting goods with delicate surfaces.



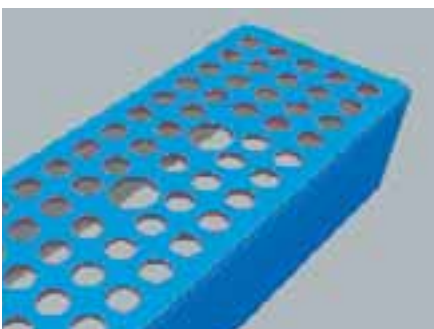
Presentation envelopes



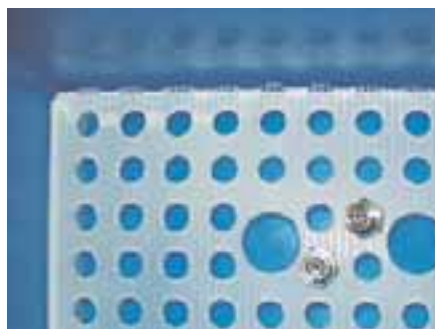
Dividing elements in small load containers



Framed dividing elements made of PROPYwell



3-D CAD sketch of a punched insert for holding valves



Punched insert made out of a corrugated sheet of PROPYwell for holding valves

The advantages of PROPYwell at a glance:

- Lightweight
- High resistance to abrasion, rigid
- Resistant to many acid and alkaline substances
- Wipe-clean
- Can be steam-sterilized

Available finishes:

- UV-stable
- Electrically conductive
- Anti-static
- Flame resistant
- Non-slip
- Colored (RAL colors)

Technical data:

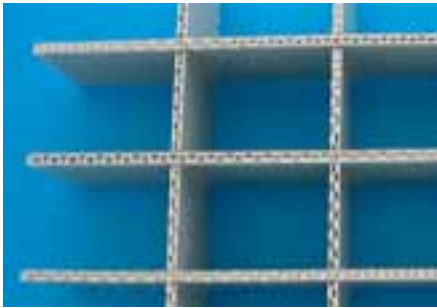
- Thermoplastic synthetic material
- Density 0.91 g/cm
- Working temperatures from approx. 0° C to 100° C
- Ductile yield approx. 15 %
- Material thicknesses from 2 – 10 mm with varying weights.

■ Packaging made of PROPYboard and corrugated cardboard

PROPYboard – the right solution for heavy goods

Tri-laminate is a triple-layered material made of polypropylene with a molded sandwich layer. This gives it a honeycombed or cupped structure, making the material extremely robust and rigid. Another advantage of the honeycomb structure is that the material doesn't have a "grain".

As a result, it's equally stable both lengthwise and widthwise. Because of its high load limit, it is primarily used for packaging heavy goods such as crankshafts.



PROPYboard – dividing elements for use in boxes and small load containers.



PROPYboard – box with dividing elements; a robust container for transporting heavy goods

Packaging made of corrugated cardboard

Corrugated cardboard is a highly-versatile material which can be utilized in many branches of the packaging industry for a wide range of flexible packaging solutions.

Whether as a crate or box, carton or dividing element, as shipping or sales packaging – corrugated cardboard can be used for many different solutions.

In contrast with the reusable material PROPYwell, corrugated cardboard is generally used to make disposable packaging. The Packaging Development Center processes both materials and is thus able to provide you with re-usable packaging as well as disposable packaging as an alternative solution.



Disposable solution for protection during shipping



Punched insert for cardboard folding boxes

packCONSULT – the independent service provider

packCONSULT analyses your internal packaging logistics and the packaging materials and actual packaging processes implemented. The aim is to localize hidden cost drivers and to develop improvement concepts.

The costs involved in carrying out such a comprehensive analysis are more than covered by the savings made and the improved economic efficiency achieved.

Foam – the best way to protect your high-quality goods

Foam is mainly used to protect against shocks and vibrations, to fix objects securely and to prevent delicate surfaces from becoming scratched or damaged. It is also very lightweight.

Different products require different materials. Selecting the right foam depends not only upon how heavy and delicate your product is but also upon your requirements. For example, anti-static or electrically-conductive foams are generally used for packaging electronic components.



Polystyrene deep-drawing tray for holding goods securely in place



EPP workpiece carrier for secure transportation



PE foam insert for sales packaging



EPP preform as a workpiece carrier

■ Preforms made of expanded polystyrene (EPS)

Styropor® packaging is utilized either to protect products or to hold them in place. Both of these advantages can be optimally combined by using pre-formed packaging.

■ Preforms made of expanded polyethylene (EPP)

In the manufacture of consumer goods, expanded polyethylene foam is used both to protect products during shipping and also as an industrial container. Expanded polyethylene is a lightweight foamed material which provides a high level of shock protection.

■ Preforms made of polyethylene foam (PE)

Using padding curves and appropriate calculation programs, preforms can be adapted to meet exactly the requirements made of them. On request, we'll make samples for you and carry out logged drop tests. You'll often find the optimum packaging solution for your needs by using a combination of PROPYwell corrugated plastic sheets, corrugated cardboard or wood.

Polyethylene foams are used

- To protect against shocks
- To protect against vibrations
- To protect against electrostatic charging
- To protect delicate surfaces
- As inserts (e.g. suitcase).

Polyethylene foam packaging can be made in just about any size or shape. As tool costs are extremely low or even non-existent, optimum solutions can be found even for small piece numbers. Polyethylene foams are manufactured using a CFC-free foam method and produce no harmful substances when burned.

Plywood packaging and reusable pallet boxes

Plywood packaging – saves on storage space, easy to assemble

We use birch to make our collapsible plywood crates. The wooden packaging is supplied laid flat, keeping storage space requirements and shipping costs low. The sides, base and lid are simply connected together by way of interlocking latches. Assembly is quick and easy.

A crate made of plywood has a greater internal volume than a crate made of solid wood possessing the same external dimensions. It's also up to 50% lighter in weight, thus saving additional costs. Plywood crates are used in a wide range of industries, such as the automotive industry, telecommunications, mechanical engineering and trade.



Folding plywood crate



Assembled reusable container: lightweight with lots of space inside

Reusable pallet boxes – saves on space and shipping costs

Pallet boxes are among the most versatile and flexible of all of the packaging systems manufactured by Brangs + Heinrich Industrial Packaging. Made up of three components – a pallet, a lid and a foldable wall – they can be reused repeatedly and are stackable.

Thanks to their sandwich system, the empty containers can be transported in an extremely space-saving way which reduces costs. The pallet, foldable wall and lid are stacked on top of each other and bound together with four clips to form a handy kit.



Reusable container consisting of a base, lid and foldable wall. Collapsible, e.g. for return transportation empty. Saves on truck space and also keeps shipping costs low because it's so lightweight

Your international partner for industrial packaging



INDUSTRIAL PACKAGING means combining function and economic efficiency, thus ensuring that your products are protected as best as possible. Whatever you need – whether it's a disposable solution or a reusable one, protection against corrosion or protective padding, films or containers – as a specialist with over 130 years of experience, we know that results can only be achieved by taking a universal approach. Manufacturing and logistics processes are steadily becoming not only more complex but also more international. Brangs + Heinrich Industrial Packaging is again “one step ahead” here. Our packaging specialists analyze your products, processes and work sequences in order to develop an individual and economical packaging concept to meet your requirements. Well-known industrial firms and companies, both wholesalers and retailers, entrust us to protect their products. Put your trust in Brangs + Heinrich, too, your expert in Industrial Packaging – our company forms part of the Antalis Group throughout Europe.

There are good reasons for working with us

Deciding on Brangs + Heinrich
Industrial Packaging means ...

- ... **access** to the experience and competence of an international specialist in the field of Industrial Packaging
- ... **recourse** to a structured and comprehensive range of products and to expertise gained through the development of numerous individual complete solutions
- ... **trust** through working with a highly-qualified consulting team
- ... **improving** your own quality through defined QM sequences, selected suppliers and the regular training courses attended by all our staff
- ... **security** through customer nearness and a fully-developed logistics concept

An overview of our products

- 1 Paper and cardboard
- 2 Filling and cushioning material
- 3 Corrugated cardboard folding boxes
- 4 Corrosion protection
- 5 Stretch and shrink films
- 6 Foils
- 7 Containers and inserts
- 8 Packaging devices
- 9 Standard packaging aids
- 10 Technical tapes

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