

Bespoke packaging solutions

Bespoke packaging from SSI SCHAEFER



Special packaging for storage and transport

Bespoke packaging and mirror-welded containers

Packaging protects intermediate and finished products on their way from the manufacturer to the consumer. It can be used for a wide variety of applications, industries and products. In many cases a single packaging unit is not enough. Products often require special protection or customised packaging.

Solutions from SSI SCHAEFER: Bespoke packaging and mirror-welded containers

Bespoke packaging

Bespoke packaging consists of two parts: a container in Euro dimensions and an individual customised insert. Each container is fitted with an insert in order to achieve optimum transport and storage conditions. This insert is customised to match the contours of the packaged goods. As a result, items are protected against possible damage.

Inserts come in a choice of vacuum-formed, foam or fabricated sets.

Routed foam insert



- We will be happy to advise you regarding the options that are available and create layouts, drawings or samples. We can then develop a contour-hugging packaging insert in close cooperation with our insert manufacturer.

Mirror-welded containers

Some products require special sizes of insert due to their shape and dimensions. Mirror-welded containers offer the ideal solution. Sections are removed from the basic container according to the special size you require, whether larger or smaller, or several containers can be joined together using mirror welding to form a new container.

Advantages of our packaging solutions:

- Products protected from external effects during transport and storage
- Production of commercially available and transportable inserts
- Reduced waste thanks to returnable packaging
- Reduced costs for disposable packaging
- Automated handling
- Sturdy, stackable and durable



Mirror-welded container



Push-fit foam divider set



MF container 6070 with vacuum-formed insert made from static dissipative ESD material

Vacuum-formed inserts

Container inserts are essential if packaged goods have to be kept in place during transport and storage. Vacuum-formed inserts offer the ideal solution. They adjust to the contours of the product thereby protecting it from breakage and surface damage. Vacuum-formed inserts can be used for large or small parts – either way the tooling costs for vacuum forming are comparably low.

Materials and designs:

Roller-pressed or routed sheet material cut-outs in ABS, PS, PP, PE, PMMA, PC.

Depending on type also available in electrically conductive materials, as multi-layered inserts, or low-cost recycled materials.

Dimensions:

Available in cut-out sizes from 333 x 333 mm to 2,500 x 1,500 mm (LxW).

Sheet thicknesses from 1 to 10 mm.

Max. drawing depth 800 mm.

Advice and service:

Together with our customers, we define the conditions to which each packaging unit is exposed and so determine the criteria that the packaging must meet. Due to our in-house design and tool construction departments we are able to address customer requirements quickly and simply. We manufacture our tools, models and fixtures according to customer specifications. Short lead times are guaranteed thanks to re-working in CNC-controlled centres. Special solutions, such as fabricated inserts, can be created using additional processes including: rod welding, turning, routing, gluing and printing.



Inserts can also be manufactured in colour (above) or as removable fabricated inserts (below)



EF container 6280 with vacuum-formed insert made of ABS recycled material for use as a hazardous goods container



Vacuum-formed insert with precise positioning of turned parts

MF container with EPP foam insert for steering wheels



EPP foam inserts

Sensitive goods require special protection. Packaging inserts made of EPP foam are ideal for meeting these stringent requirements. Foam inserts are extremely durable, resistant to oils and alkalis and easy to clean. Foam inserts can be manufactured cost-effectively for medium to large batch sizes, in almost any shape, to suit a multitude of packaging tasks.

Materials and designs:

EPP foam

Standard colour: Black. Other colours available for larger quantities. Static dissipative (ESD) and conductive EPP foams are available on request.

Dimensions:

Sizes available up to 1,700 x 1,000 mm (LxW). Heights up to 400 mm.

Advice and service:

Design drawings can be created at short notice based on original parts or CAD files. Prototypes are routed or hand-finished.



Special container for airbags with EPP foam tray



EPP foam insert with removable dividers



R-KLT 6129 ESD container with EPP foam insert offering ESD protection



Made-to-measure inserts

Small or medium-sized production quantities do not necessarily have to involve high packaging costs. By using made-to-measure inserts it is possible to produce a universal packaging design that is suitable for many different shaped items that only need to be centred rather than fixed. The insert components are modular and divide the container into sections. This reduces packaging costs but still offers a tailored solution.

Materials and designs:

Bespoke inserts can be manufactured in almost any shape and from almost any material. Alternatives include foam dividers, routed foam inserts or corrugated cardboard. The materials are also available in antistatic or ESD-protected versions.

Dimensions:

Made-to-measure inserts offer a variety of divider options for each container. Almost any measurement can be achieved. The inserts can be manufactured with densities from 15 to 200 g/m³.

Advice and service:

Our designs are custom-made after detailed analysis and consultation with the customer to suit specific requirements.

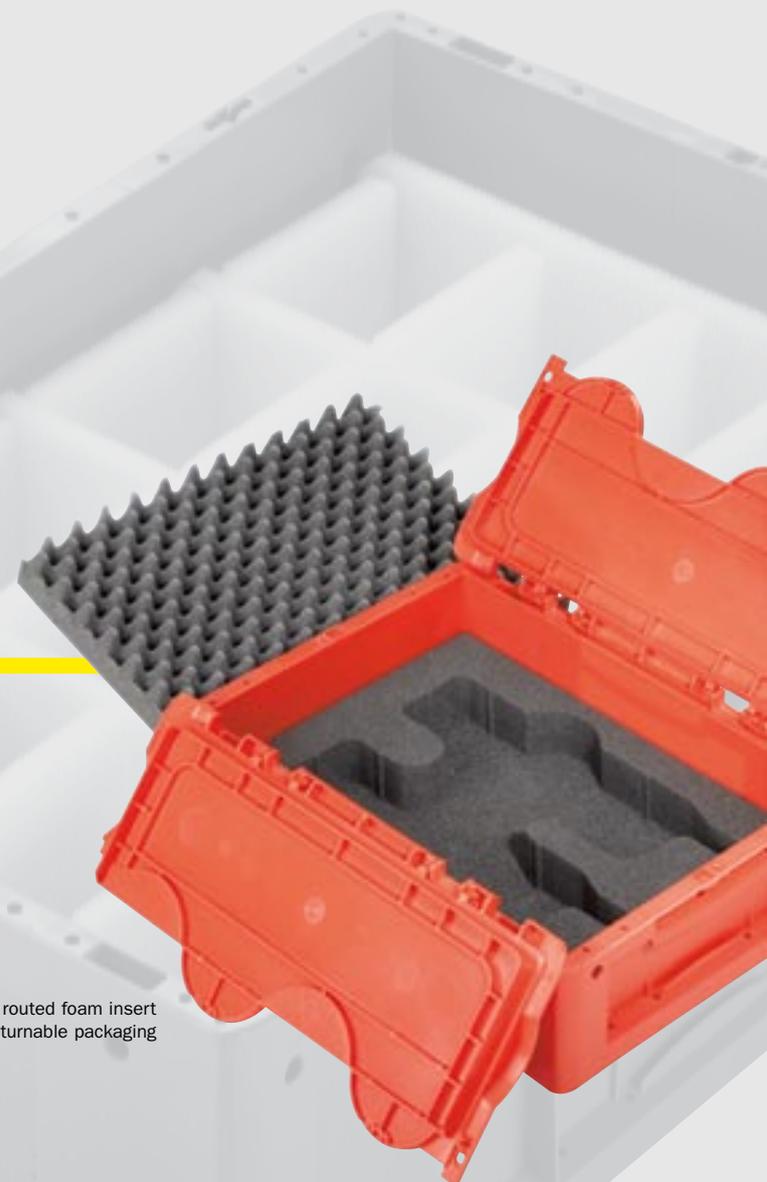


EF container with dedicated push-in foam dividers

LTB container with push-in cardboard dividers



LTB container with routed foam insert for returnable packaging



Double-welded EF container,
with routed slots in the base



Mirror-welded containers

Due to their size and shape some components require packaging in special sized containers. They are either too large or too small to be housed in standard Euro sized containers. Mirror-welded containers offer the ideal solution. Sections are removed from the basic container according to the special size you require, whether larger or smaller. Alternatively several containers can be joined together, using heated plate welding (or mirror welding) to form a new container.

Materials and designs:

PP, PE

Also available in static dissipative material (ESD).

In normal applications welded containers offer the same load capacity as standard containers. The stability of the weld seam corresponds to approx. 90% of the container's original material strength. This also applies when using ESD materials. Despite the weld seam the container offers the same functions in terms of stability, stackability, automation and durability.

Dimensions:

The useable inner dimensions and necessary loads are calculated based on the customer's requirements.

Advice and service:

Special care must be taken when drafting, designing and analysing the structure of the container. We will be pleased to advise you with regard to the options and sizes available.



MF container in special length
with a centre weld seam



Welded EF container with side
perforation and access opening

2400 containers that meet all of the requirements of modern logistics

As a specialist in storage technology SSI SCHAEFER can offer a unique range of containers in terms of width and depth – from folding boxes to technical containers for fully-automated warehouses. Schaefer containers are used in a broad range of industries including mechanical engineering, automotive engineering, electrical engineering, textiles, retail, wholesale and pharmaceuticals.

Many types are also available as conductive containers and are used to store electrical materials and as specialised containers for the electronics and chemical industries. They can also be used as hazardous goods containers to transport airbag gas canisters for example, a special solution for the automotive industry.

Our KB bulk container series is ideal for automated handling and the FKB foldable bulk container is useful for transporting heavy and bulky items from various industries. To ensure safety during transport, all of our containers can be fitted with lids or flaps and can be sealed with clips.

Small parts can be organised using various labelling and partitioning accessories, such as dividers, label areas and insert boxes. Recessed handles or handgrips are also provided on each side to make handling easier.





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