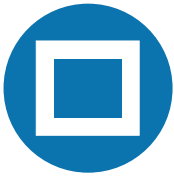


Packaging & Identification



EUROPEAN BODY PANELS

EBP



An optimal package for each delivery

Vehicle body components are bulky and vulnerable to impacts. Packaging and transport wrapping must provide good protection and at the same time aid smooth logistics, efficient transportation and good total economy. EBP offers an optimal holistic solution for the final – but vital – stage in the value chain: delivery.

A vehicle body component that is delivered to the assembly line for use in series production requires a certain type of packaging, while the same body part that is delivered directly to the branded workshop's spare-parts warehouse requires an entirely different type of packaging. That is why EBP's packaging concept is based on finding the most optimal solution for each customer.

Adding Value to the Product

The objective is always to transport the part damage-free and at a low total cost for the customer. However, a good package can generate even greater added value.

The right type of packaging and identification makes it easy to identify the product, protects it from theft, makes it possible to monitor the location of the product in the delivery chain and simplifies the process of goods reception and unpacking. The right packaging is also easy to recycle or reuse.

Customised Packaging Solutions

EBP's packaging engineers are specialists in the packaging of vehicle body components. We also work very closely with Scandinavia's leading manufacturers of different packaging materials, which makes it possible to develop optimal packaging solutions for each customer, product and assignment. In recent years, we have also further streamlined packaging for several of our Swedish, German and Japanese car manufacturing clients.

Test Package for Verification

When the customer and EBP come to an agreement on the development of the optimal packaging solution for a given body component, we produce a packaging prototype. It is used to test that the packaging meets the set requirements and that it can withstand the handling to which it will be subjected. The test packaging is then put through the entire cycle from EBP's packaging line to final delivery to the customer, after which it is evaluated.

Handling All Types of Packages

EBP's packaging engineers has procedures for handling all packaging types found in the vehicle body component industry. We can receive and deliver in type-specific packaging units, robot racks, standard pallets and other return packaging to fit in with the customer's packaging strategy.

Our main objective is packaging of ready assembled body components in cardboard boxes, ready for direct delivery to the customer's spare-parts warehouse. We also use wooden packaging when this is the optimal solution, for instance for small production series or for the largest body panels.

Packaging Operations

The most common assignment for EBP's packaging engineers is packaging of ready assembled closures in cardboard boxes. The surface-treated body components are conveyed directly from our surface-treatment facility which is located right beside the packaging area.

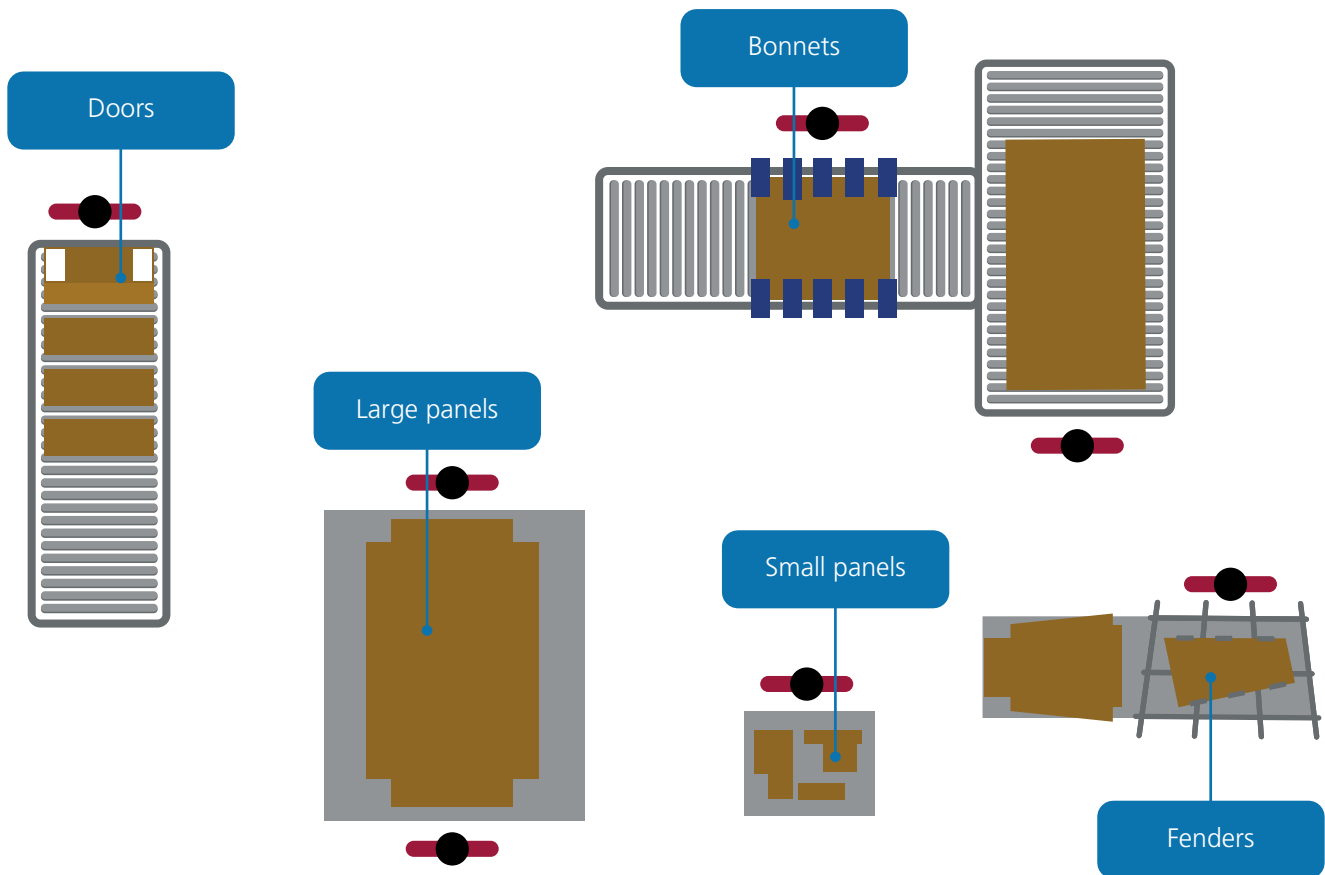
Following quality control and any necessary after-sealing, the packaging operator marks each component according to the customer's requirements, places the component in a specially designed cardboard box which is also marked according to the customer's specification, and then seals the box. The packaged part is registered in the EDI system and then stacked for delivery to a truck or container.

Eye on Quality

At EBP, quality control is built into the entire process as documented in our ISO/TS 16949 and ISO 14001 certifications. The final inspection of each body-in-white part is carried out by the packaging operator, who is accredited to preserve the part's quality by closing and sealing the finished package.

3000 m² Floor Area for Efficient Logistics

In order to ensure efficient flow and generous storage capacity, EBP's packaging area has no less than 3000 m² of indoor floor spare at its disposal. To this is added a further 3000 m² of loading terminal area under cover, with space for multiple trailers side by side.



Packaging types

- Cardboard boxes of different grades and with different types of surface treatment
- Styrofoam, article-unique and in standard format
- Bubble-wrap
- Instapack, real-time casting of interior fasteners and locators for low-volume production series
- Wooden packaging, both article packaging and transport packaging
- Steel racks for return goods
- Pool packaging for return goods

Packaging stations

- Cardboard packaging of doors, 1900 x 1800 x 450 mm max
- Cardboard packaging of bonnets, 1600 x 1400 x 450 mm max
- Cardboard packaging of fenders, 1500 x 1000 x 350 mm max
- Wooden packaging or cardboard packaging of large panels (roofs, body sides etc)
- Small articles (structure components, reinforcements)

Identification of products

- Anti-theft labels
- VIN anti-theft identification
- Customer ID, part number, barcode

Identification of packaging

- Brand labelling
- Customer ID, part number, barcode

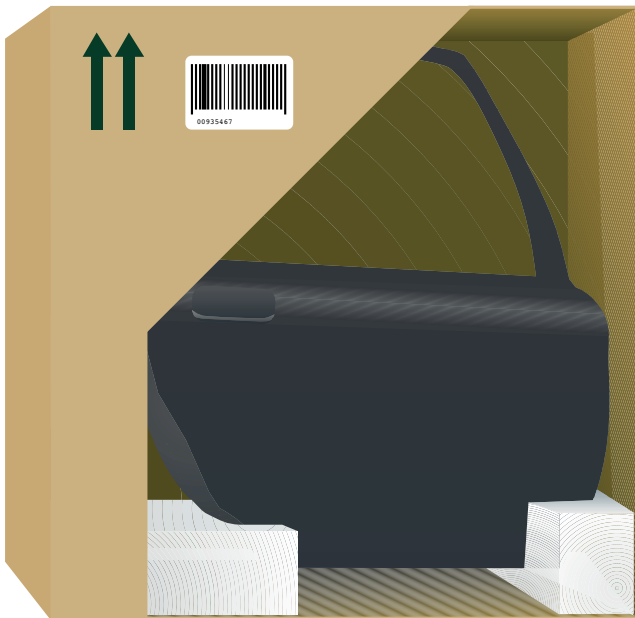
Delivery information

- EDI system

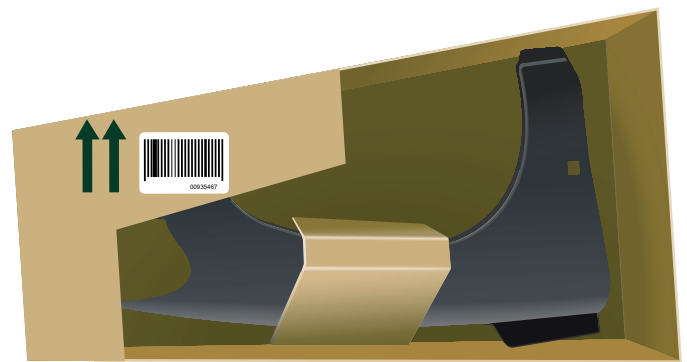
Delivery system

- Tailored to suit the customer's specific system
- Central warehouse
- Regional warehouse
- Local dealer
- Third party logistic partner

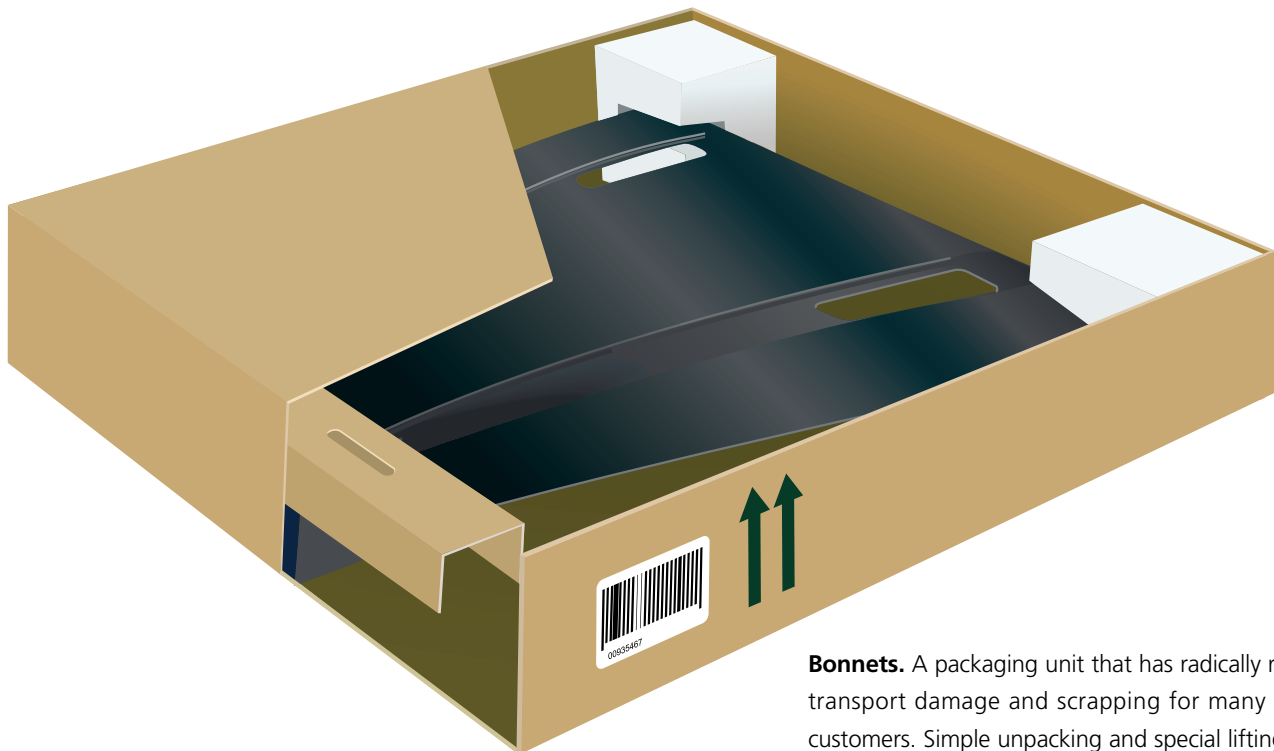
..... Customised packaging, examples



Doors. This packaging effectively protects the doors and simplifies unpacking at the dealer's workshop. Also available in a version for hardtop (frameless) doors.



Front fenders. A flexible packaging unit that suits all fenders. The box is shaped like a violin case to save space and maximize transport efficiency in both trailers and containers.



Bonnets. A packaging unit that has radically reduced transport damage and scrapping for many of our customers. Simple unpacking and special lifting points make for better ergonomics and fewer injuries in the dealer's workshop.

.....Quality all the way



Optimal. Our customers are offered a unique packaging solution for each product, optimised for transport protection, transport efficiency, ergonomics and environmental consideration.



Efficient. EBP's packaging is designed to maximise the customer's transport efficiency. Space in trailers and containers is exploited to the full. No empty return packaging needs to be sent back, thus saving both money and the environment.



All the Way. Our cardboard packaging materials ensure one hundred percent delivery quality all the way to the bodyshop without any extra handling costs and with the least possible environmental effect.

