



Emba-TrayTec[®]

The automatic packaging solution



The automatic packaging solution

Emba - TrayTec®

- significant degree of automation for constantly changing types of products, weight: 0.01 - 160 kg
- constant packaging speed
- standardization of packaging types
- significant reduction of packaging costs
- optimal product protection, even in case of packing units of different heights
- no additional filling materials necessary
- very high packaging quality and professional appearance
- very low power consumption, since no thermal processes necessary
- no set-up time
- silent operation of the machine
- small footprint of the machine
- can be seamlessly integrated into existing packaging lines
- immediately ready for use
- automatic tray dispenser available on request



Our technology

The product is placed onto a defined tray. The shape, the dimensions or the heights of the product do not matter. The important thing is that it fits the size of the provided shipping box.

The automatic feed is used to vertically wrap both - the tray and the product - with the special stretch film. The product is firmly clamped onto the corrugated board format and can be securely shipped in a box.



The automatic packaging solution

This tray packaging machine ensures perfect product protection, high-speed packaging and low costs. This easy-to-operate machine offers maximum flexibility for small and large product lines. The packaging process still remains the same even for **constantly changing products** with **different heights and weights of up to 160 kg**. And the best of it : You reduce the amount of packaging sizes, storage space and time. Filling and cushioning materials are no longer required.

Typical shipped goods include gears, pumps, motors, gear wheels, drives, light- and heavy-weight replacement parts of all types, as well as sensitive machine components from the entire field of process measuring and control technology.

Application:

For large packaging volumes.

For products with various heights and weights.

Features:

Automatic packaging without any defined order.

Advantages:

Constant packaging speed.

Precise process calculation.

The amount of packaging types is reduced to a few sizes.

Also available with ESD and VCI film !



In order to protect your products from short-circuits due to electrostatic discharge we have developed a new film for the most demanding requirements. Antistatic film 10^8 to 10^{11} Ohm surface resistance.



For corrosion protection of your products. When the packaging is closed a fine anti-corrosive vapour builds up on the VCI stretch film. The vapour then covers the product evenly with an absorption film. Broadband effect for many metals and alloys.

The Concept

How does the concept work?

Our team develops the sizes you require based on your daily packaging tasks. Furthermore, the new standard program (pages 6+7) without tool costs can be used. Once the packages have been checked and found to be in perfect condition, we're ready to start.

You enter into a supply contract for the quantity you require. Then, Emba-Protec will supply you with the wrapping machine, including detailed instructions. All necessary packaging components (trays, film, shipping cartons) are supplied to you on call off. You only pay a fixed set price per packaging supplied. We, of course, will assist you with any queries and wishes for modification. This is part of our customer service.

Your advantages

- **Packaging sizes are standardised and immediately available**
- **No tool costs**
- **Significant reduction of packaging times / costs**
- **Packaging in random sequence is possible**
- **For products weighing between 0.1 and 160 kg !**
- **No other filling and cushioning materials are required**
- **Best possible product protection during shipping**
- **Reduction of storage costs due to small on-call batches**

Find the standard size matching your requirements on the following pages. We look forward to advising you!

Example motor



Example 2-DIN radio



Example display



Example head lamp



Example steering shaft



Example pump



The Machine Versions

semi-automatic system



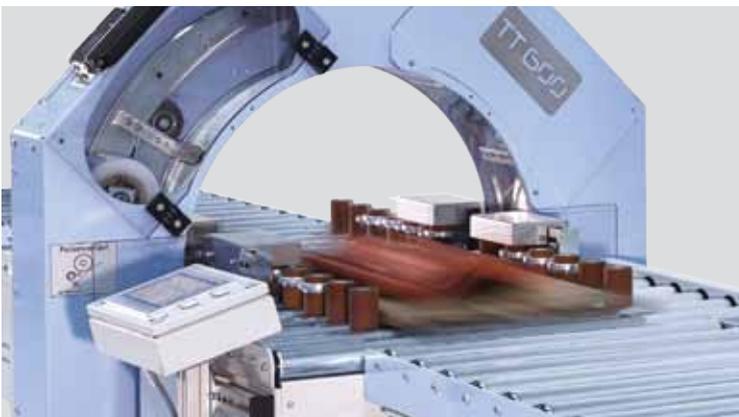
A semi-automatic system with easy handling. For small quantities and few placement options. This system allows for individual wrapping. And your products will always reach their destination safely.

hybrid version



The hybrid machine covers the gap between the semi-automatic and the fully automatic machine solution, in terms of price and technique.

fully automatic system



The fully automatic system for high throughput quantities. Up to 6 packing operations per minute are possible! Equipped with many features, e.g. automatic tray detection or a variety of different wrapping programs.

The Standard Program



Maximum product size: **160 x 130 x 70 mm**

Product data

Overall transport box dimensions 210 x 170 x 97 mm
 Fefco 0713 with crash-lock base and closing lid
 Quality E 1.40
 Scope of delivery = 1x tray
 1x outer box
 film in rolls

Article-Code	Machine Version
TT 161307 M60	winding ring 600, semi-automatic
TT 161307 H60	winding ring 600, hybrid version
TT 161307 A60	winding ring 600, fully automatic



Maximum product size: **300 x 200 x 100 mm**

Product data

Overall transport box dimensions 344 x 251 x 148 mm
 Fefco 0713 with crash-lock base and closing lid
 Quality C 1.40
 Scope of delivery = 1x tray
 1x outer box
 film in rolls

Article-Code	Machine Version
TT 302010 M60	winding ring 600, semi-automatic
TT 302010 H60	winding ring 600, hybrid version
TT 302010 A60	winding ring 600, fully automatic



Maximum product size: **350 x 240 x 70 mm**

Product data

Overall transport box dimensions 400 x 300 x 116 mm
 Fefco 0201 slotted-type box with top and bottom flaps
 Quality C 1.30
 Scope of delivery = 1x tray
 1x outer box
 film in rolls

Article-Code	Machine Version
TT 352407 M60	winding ring 600, semi-automatic
TT 352407 H60	winding ring 600, hybrid version
TT 352407 A60	winding ring 600, fully automatic

Also available with ESD and VCI film !



**Perfect protection for your
most valuable products!**

**And the best of it is:
Our systems are very easy to handle.**



EmbaProtec

Emba-Protec GmbH & Co. KG
Alter Postweg 68
D-32549 Bad Oeynhausen

Phone +49 (0) 57 31 - 30 888-0
Telefax +49 (0) 57 31 - 30 888-30

info@emba-protec.de
www.emba-protec.de