



# STATEC BINDER

highly efficient bagging and palletizing solutions



**HIGH-PERFORMANCE  
BAGGING & PALLETIZING SYSTEMS**



**SB STATEC BINDER**  
highly efficient bagging and palletizing solutions

We are dedicated to providing our customers with perfect solutions for bagging and palletizing free flowing bulk goods. Flexibility is therefore an essential aspect for us and for the development of the machines.

The high quality standard of our machines, which is valued by our customers, is achieved by using only the best components from well-known suppliers and by the extensive use of stainless steel.

Whether it's plastic pellets, rice, grain, sugar, animal feed, pet food or fertilizer, the product range offers top-quality customer-focused solutions for any industry. The PRINCIPAC, CERTOPAC, ACROPAC and CIRCUPAC open-mouth bagging systems are designed for

polyethylene (PE), woven polypropylene (PP) and paper bags with a filling weight of 5 kg to 50 kg. The high-performance segment is rounded off by the SYSTEM-T FFS (Form-Fill-Seal) machine used to process bags from tubular reel, and the SYSTEM-F vertical FFS machine for processing bags from flat film.

The palletizing of bags and boxes of any type is made possible thanks to the fully automatic PRINCIPAL high-level palletizing system as well as the PRINCIPAL-R high-performance robot palletizer. Manual and semi-automatic bagging systems, Big Bag Stations, net weighers and the latest bag closing-systems round off the extensive product portfolio of STATEC BINDER.



# PRODUCT OVERVIEW

Flexible high-performance bagging machines & palletizing systems



## OPEN-MOUTH BAGGING SYSTEMS

Fully automatic bagging machines

Fully automatic high-performance bagging machines for bagging up to 2000 pillow bags and gusset bags per hour.



## FFS BAGGING MACHINES

Fully automatic FFS bagging machines

Fully automatic FFS bagging machines for the production and the packaging of up to 2400 bags per hour.



## ROBOT PALLETIZER

High-performance robot palletizer

High-performance robot palletizer for palletizing up to 1400 bags or boxes per hour.



## HIGH-LEVEL PALLETIZER

High-performance high-level palletizer

High-performance high-level palletizer for palletizing up to 2400 bags and boxes per hour.



## BIG BAG AND MORE

Big Bag Filling Stations, Net Weighers & Bag Closing Machines

Big Bag Filling Stations for up to 150 bags per hour. Manual and semi-automatic filling stations as well as net weighers and bag closing machines for open-mouth bags.

# INDUSTRIES WORLDWIDE

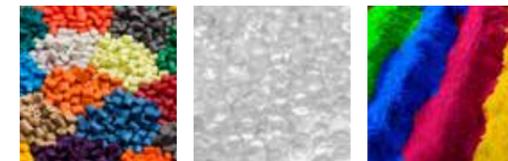
High-performance bagging and palletizing systems for your industry

Our systems are suitable for free flowing bulk materials of all kinds and used in a wide variety of industries for bagging various products. For us it is important to offer customers the perfect solution for bagging and palletizing their products. Therefore, we do not fear new challenges. Below are some of the products that are packed and palletized by our machines on a daily basis.



## PETROCHEMICAL

plastic granulate, plastic powder, ...



## CHEMISTRY

fertilizer, chemical bulk materials, ...



## FOOD

sugar, rice, flour, salt, peas, beans, lentils, cereals, corn, malt, starch, ...



## AGRICULTURE

seeds, grass seeds, ...



## ANIMAL FEED & PET FOOD

animal feed, pet food, mineral feed, feed additives, ...



## MINERALS & FUELS

sand, road salt, gravel, wood pellets, clay granulate, ...



# principac

fully automatic high-performance bagging machine

up to  
**2000**  
bags per  
hour



- ✓ high flexibility
- ✓ long lifetime
- ✓ high capacity
- ✓ high reliability



The PRINCIPAC is a fully automatic high-performance bagging machine for open-mouth bags. With up to 2000 bags per hour the PRINCIPAC is one of the fastest bagging machines for open-mouth bags in the world. Both pillow bags and gusset bags with a filling weight of 10 kg to 50 kg can be processed. This bagging machine is ideally suited for any type of free flowing bulk material and with additional equipment such as a dustproof filling spout also for powdery products. Depending on customer requirements, the machine is also available in a stainless steel execution.

Further options enable the PRINCIPAC to be optimally adapted to customer requirements.

## Options:

- ✓ stainless steel execution
- ✓ bag top de-aeration unit
- ✓ dustproof filling spout
- ✓ wash-down execution
- ✓ bag vibration device
- ✓ FFS-Combi version
- ✓ evacuation lance
- ✓ ATEX execution
- ✓ bag labelling
- ✓ twin version



# certopac

fully automatic high-performance bagging machine

up to  
**1500**  
bags per  
hour



- ✓ long lifetime
- ✓ high flexibility
- ✓ easy accessibility
- ✓ high reliability



The fully automatic high-performance bagging machine CERTOPAC packs any kind of free flowing bulk material in pillow bags and gusset bags with a filling weight between 5 kg and 80 kg. Thanks to high speed, up to 1500 bags can be filled per hour.

The CERTOPAC is also available as CERTOPAC-S and CERTOPAC-L in addition to the "standard version". The differences between the variants are the bag magazines (rotating bag magazine or push magazine), the different filling weights and sizes of the bags. Furthermore, the CERTOPAC is also available in a stainless steel execution and can be equipped for powdery products.

## Options:

- ✓ stainless steel execution
- ✓ bag top de-aeration unit
- ✓ dustproof filling spout
- ✓ wash-down execution
- ✓ bag vibration device
- ✓ FFS-Combi version
- ✓ evacuation lance
- ✓ ATEX execution
- ✓ bag labelling



# acropac

fully automatic bagging machine

up to  
**600**  
bags per  
hour



- ✓ high flexibility
- ✓ sturdy construction
- ✓ compact design
- ✓ high reliability



The ACROPAC is a fully automatic bagging machine with a production capacity of up to 600 bags per hour. This machine is ideal for all those who want to move from manual/semi-automatic bagging to fully automatic bagging and/or require low capacity. Whether plastic pellets, animal feed, fertilizer or food – the ACROPAC is ideal for bagging free flowing bulk materials.

Due to the high flexibility of the machine, pillow bags and gusset bags with a filling weight between 10 kg and 50 kg can be filled. In order to meet special requirements, the machine is also available in a stainless steel execution and can be equipped for powdery products.

## Options:

- ✓ stainless steel execution
- ✓ bag top de-aeration unit
- ✓ dustproof filling spout
- ✓ wash-down execution
- ✓ bag vibration device
- ✓ evacuation lance
- ✓ ATEX execution
- ✓ bag labelling



# circupac

fully automatic high-performance bagging carousel

up to  
**1200**  
bags per  
hour



- ✓ one master servo motor
- ✓ product compression in the bag
- ✓ continuous rotation
- ✓ easy accessibility



The fully automatic CIRCUPAC high-performance bagging carousel has been specially developed for packing flour and powdery products in pillow bags and gusset bags with a filling weight of 10 kg to 50 kg. The special feature of the machine is the continuously rotating carousel. All components are precisely matched to each other so that the entire process can take place without a start-stop system. An extended filling time by six filling stations as well as the constant compression of the product by special vibration plates result in a well-filled bag.

All movements are controlled by an intelligent master servo motor controller and are precisely coordinated with each other.

## Options:

- ✓ stainless steel execution
- ✓ bag top de-aeration unit
- ✓ 4 or 6 filling spouts
- ✓ FFS-Combi version
- ✓ ATEX execution
- ✓ bag labelling



# FFS-Combi Version

fully automatic high-performance bagging machine  
from tubular reel and bag magazine

up to  
**1500**  
bags per  
hour



- ✓ long lifetime
- ✓ high flexibility
- ✓ easy accessibility
- ✓ high reliability



As the name suggests, the FFS-Combi Version of the open-mouth bagging machines has an additional FFS module, allowing bags not only to be used from the bag magazine, but also to be produced from tubular film. The CERTOPAC and PRINCIPAC open-mouth bagging machines are available as FFS-Combi Versions. The additional FFS module is also available for the CIRCUPAC bagging carousel.

The changeover from the bag magazine to the production of bags from the tubular film is simple and convenient on the operating panel.

The filling process is identical for both variants. The bags are either separated from the bag magazine or produced from tubular film and conveyed to the pick up station. There the bag is put onto the filling spout, filled and placed on the conveyor belt. From there it is transported to the bag closing machine, which sews, seals or glues the bag depending on the material.

## Options:

- ✓ stainless steel execution
- ✓ bag top de-aeration unit
- ✓ dustproof filling spout
- ✓ wash-down execution
- ✓ bag vibration device
- ✓ evacuation lance
- ✓ ATEX execution
- ✓ bag labelling



# Twin Version

fully automatic duplex high-performance bagging machine

up to  
**2400**  
bags per  
hour



- ✓ high flexibility
- ✓ long lifetime
- ✓ high performance
- ✓ high reliability



The Twin Version of the open-mouth bagging machine combines two bag placers and two filling stations in one machine. Two STATEC BINDER high-performance netweighers ensure that the product is precisely dosed and weighed. When the required weight is reached, the weigh hopper opens and the product flows into the attached bag at the filling spout. A high-performance bag closing machine enables fast sewing, sealing or gluing of the bags.

The high performance of the Twin Version is achieved by always separating two bags simultaneously, transporting them to the pick up station, fixing them onto the filling spout, filling them and placing them on the conveyor belt. The bags are then transported one after the other to the bag closing machine.

The PRINCIPAC-Twin can handle up to 2400 bags per hour with a filling weight between 10 kg and 50 kg.

## Options:

- ✓ stainless steel execution
- ✓ bag top de-aeration unit
- ✓ dustproof filling spout
- ✓ wash-down execution
- ✓ bag vibration device
- ✓ evacuation lance
- ✓ ATEX execution
- ✓ bag labelling



# system-T

high-performance form-fill-seal bagging machine

up to  
**2400**  
bags per  
hour



- ✓ high capacity
- ✓ easy accessibility
- ✓ compact design
- ✓ high flexibility



The fully automatic SYSTEM-T FFS bagging machine combines high-quality packaging in a tubular PE bag with a high production capacity. This makes it ideal to be used in several fields, including the petrochemical, fertilizer, animal feed and food industries.

Due to the high flexibility of the machine it can be adapted to a high variety of customer requirements. For example, pillow bags and gusset bags can be produced with or without carrying handle and with a filling weight between 5 kg and 50 kg. Additional perforation of the bags is also possible.

Even at high production speeds the bags are always formed, filled and sealed at exactly the right moment.

## Options:

- ✓ version for powdery products
- ✓ bag mouth cleaning system
- ✓ automatic film reel change
- ✓ stainless steel execution
- ✓ carrying handle former
- ✓ bag de-aeration unit
- ✓ corner sealing unit
- ✓ mobile platform
- ✓ thermal printer



# system-F

vertical form-fill-seal bagging machine

up to  
**900**  
bags per  
hour



- ✓ simple format set change
- ✓ high flexibility
- ✓ compact design
- ✓ low space requirement



The SYSTEM-F, a fully automatic vertical FFS bagging machine, produces pillow bags and gusset bags from flat film. Moreover, the bags can be made with or without carrying handle and for a filling weight between 5 kg and 50 kg. The SYSTEM-F is particularly ideal for packaging powdery and moderately free-flowing products.

Thanks to an adjustable format set, different package sizes can be produced. The format and/or production can be changed by one person just in a few minutes. This is possible by a rotating magazine, which is installed directly on the machine and holds several format sets of different sizes ready at all times.

## Options:

- ✓ nitrogen fumigation during filling
- ✓ bag de-aeration unit
- ✓ stainless steel execution
- ✓ carrying handle former
- ✓ various format sets
- ✓ format magazine
- ✓ thermal printer
- ✓ bag in box



# principal-R

high-performance robot palletizer

up to  
**1400**  
units  
per hour



- ✓ high reliability
- ✓ compact design
- ✓ high flexibility
- ✓ energy efficient



The high-performance robot palletizer PRINCIPAL-R, an articulated arm robot palletizing system, is always offered as customer-specific solution with well-known industrial robot manufacturers and STATEC BINDER know-how. Depending on the desired performance, different robot models are used. The gripper is also adapted to the respective application. A special feature of the PRINCIPAL-R is that it has been optimized for sling bags.

As standard, jointed-arm robots with 4 axes and a rotation of up to 360° in the R-axis are used. This robot type is especially suitable for palletizing and depalletizing applications due to its fast and repeatable movement.

The operation and selection of the pallet patterns is carried out simply via a touch screen. The installation variants range from a single or double up to multiple line arrangement.

## Options:

- ✓ multiple empty pallet magazine
- ✓ automatic gripper adjustment
- ✓ gripper with vacuum cups
- ✓ slip sheet dispenser
- ✓ bag press belt



# principal

high-performance high-level palletizer

up to  
**2400**  
units  
per hour



- ✓ high speed
- ✓ sturdy construction
- ✓ high flexibility
- ✓ long lifetime



The high-performance PRINCIPAL high-level palletizer is equipped with an empty pallet magazine and an outfeed system. A bag flattener or square roller conveyor ensures that the bags are "in good shape" for stacking.

Flexible layer formations are made possible by a servomotor-driven overhead turning device which turns the bags into the required position. In this way, the bags can be brought into the optimal position, e.g. stitching tabs can be point inwards or barcodes can be read from the outside of the layer. A well-structured layer pattern is guaranteed by the synchronous belt drive of the layer pusher, which enables the exact positioning of the bags or boxes, and the motor-driven front and side pusher, which ensure a stable and rectangular layer.

## Options:

- ✓ application systems for anti-slip adhesive
- ✓ full pallet cover sheet dispenser
- ✓ multiple empty pallet magazine
- ✓ loadplates with air nozzles
- ✓ additional service platform
- ✓ top layer pressing device
- ✓ ascending press belt
- ✓ slip sheet dispenser



# principal-P

high-performance portal palletizer

up to  
**1100**  
units  
per hour



- ✓ high flexibility
- ✓ sturdy construction
- ✓ high speed
- ✓ long lifetime



The PRINCIPAL-P, a high-performance portal palletizer, combines the high speed of the PRINCIPAL with a gripper adapted to the respective application, e.g. combined grippers for palletizing bags and boxes.

The great advantage of the PRINCIPAL-P is that it does not push bags, but lays them down and therefore it can palletize them overlapping. Furthermore, the bags are pressed from all four sides to obtain a well-structured layer pattern. Boxes are also lifted, laid and afterwards the layer is formed. When arranging the bags or boxes, it is ensured that the bags or boxes are brought into the required position, e.g. barcodes readable from the outside.

In addition, a robot can be installed for possible depalletizing work. Further options enable the PRINCIPAL-P to be optimally adapted to customer requirements.

## Options:

- ✓ application systems for anti-slip adhesive
- ✓ full pallet cover sheet dispenser
- ✓ multiple empty pallet magazine
- ✓ additional service platform
- ✓ ascending press belt
- ✓ slip sheet dispenser



# Big Bag Filling Station

semi-automatic big bag filling station

up to  
**150**  
bags  
per hour



- ✓ high speed
- ✓ sturdy construction
- ✓ highest weighing accuracy
- ✓ high reliability



The semi-automatic Big Bag Filling Station enables the filling of Big Bags (FIBC) with one, two or four loops and Octabins with a filling weight from 500 kg to 1500 kg.

There are two versions of the Big Bag Filling Station – one with gross weighing and one with net weighing. The difference between the two weighing variants is that gross weighing weighs the product in the bag during filling and net weighing weighs it in a weigh hopper before filling. The advantage of net weighing is that the Big Bags can be filled at higher speeds. Highest weighing accuracy is achieved with both variants.

## Options:

- ✓ version with increased corrosion protection
- ✓ checkweighers in various versions
- ✓ empty pallet magazine
- ✓ slip sheet dispenser
- ✓ magnetic separator
- ✓ vibration plates
- ✓ metal separator
- ✓ metal detector
- ✓ ATEX version



# Over Tape Bag Sealer

Bag closing system with woven PP over tape

up to  
**1500**  
bags per  
hour



- ✓ secure closure
- ✓ tight seal
- ✓ unique bag closing style
- ✓ heat-sealed



The patented bag closing system "Over Tape Bag Sealer" from STATEC BINDER seals woven polypropylene (PP) bags airtight. A woven PP tape is used for a reliable and secure closure. If necessary, the bags can also be additionally sewn. Both pillow bags and gusset bags can be securely closed. This sealing technology facilitates the handling of dusty products of the food and feed industry and odour-intensive products.

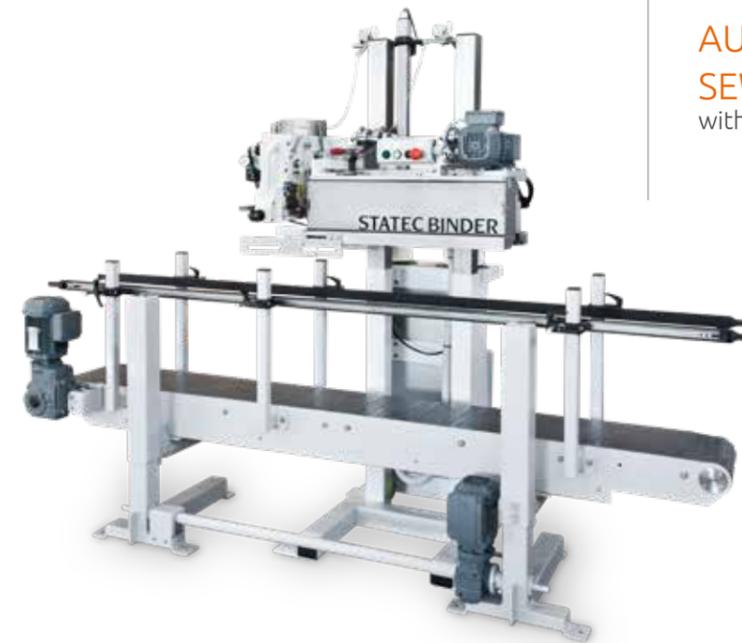
During operation, the filled bags are transported to the machine by a conveyor belt. A sensor detects the position

of the bag and automatically puts it into the trimming area. After cutting away the top edge of the bag, a woven PP tape is applied over the open edge of the bag to seal it with hot air. The hot air to seal the bag airtight and odourless is produced by a heating unit in the machine.

An optional sewing of the bag is also possible. The bag is pulled in and first sewn by means of an integrated sewing head. After sewing its top side is cut and then sealed with a woven PP tape. Bags are often sewn as well as sealed to ensure an absolutely secure and reliable closing.

## BAG CLOSING SYSTEMS

High-performance bag closing systems for woven PP, PE and paper bags



**AUTOMATIC SEWING MACHINE**  
with plain infeed or bag top folder



**AUTOMATIC BAG CLOSING SYSTEM**  
with double sewing head

# system-R

Fully automatic high-speed woven PP bag making machine

up to  
**2000**  
bags per  
hour



# scalpac

Manual or semi-automatic high performance bagging line with a single or duplex electronic net weigher

up to  
**1200**  
bags per  
hour



# NET WEIGHERS

High-performance net weighers with highest weighing accuracy

**BELT FED  
NET WEIGHER**  
for moderately flowing products



**GRAVITY FED  
NET WEIGHER**  
for free flowing products

**SCREW FED  
NET WEIGHER**  
for fine and powdery products



# PRODUCTS OF THE HIGHEST QUALITY

The STATEC BINDER quality promise

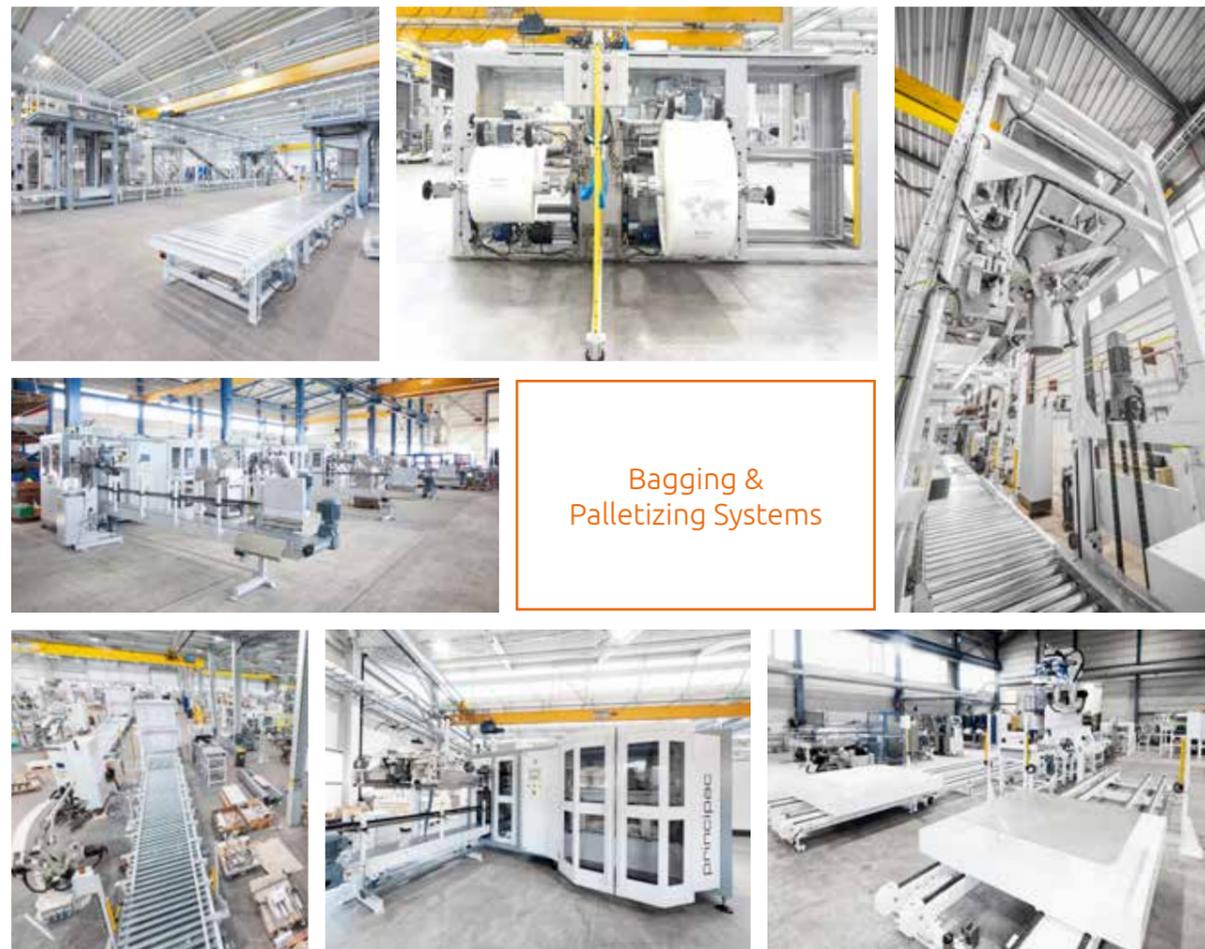
STATEC BINDER develops, designs and produces all bagging machines and palletizing systems in its own ISO-9001 certified plant in Gleisdorf, Austria.

Our extensive product range is characterized by highest quality and long lifetime. Thus we make an important contribution to the efficient handling of scarce resources.

Represented on all five continents, today we supply the most diverse industries and have made it our mission that

everyone knows that the high STATEC BINDER standard keeps what it promises.

For all industries, we always find the best solution for the customer – customized to the relevant conditions. In addition to the standard product range, we also offer customer-specific special solutions, which are developed together with the customer.



# CUSTOMER SERVICE AS SUCCESS FACTOR

Our goal is the complete satisfaction of our customers

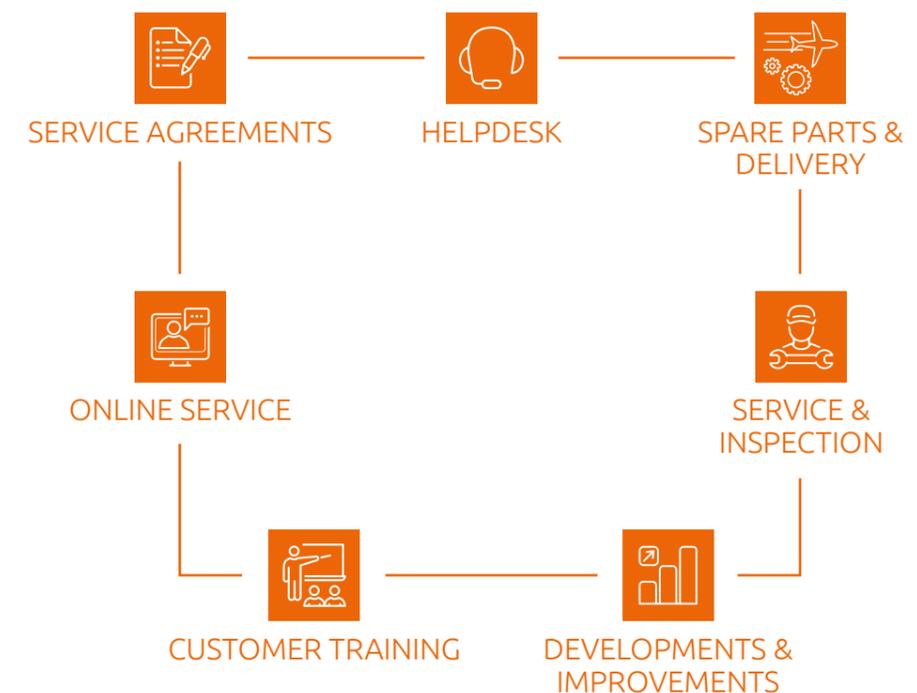
Customers all over the world place their trust in us. The reason: With us, they get everything from a single source – expert consulting services, a high level of service competence and support in all areas.

When it comes to customer service, we focus on closeness to the customer and fast availability. Our highly trained employees help customers with every request, from spare parts ordering and delivery to tailor-made service contracts and online service with real-time support. The focus is always on the complete satisfaction of our customers.

All spare parts for our machines are either manufactured by us or produced by well-known and globally active series manufacturers. We pay particular attention to the quality and long-term availability of our products.

Our highly-qualified and experienced service engineers are working day by day all over the world for the ongoing maintenance and inspection of the machines. This ensures the long-term reliability and operational readiness of our bagging and palletizing systems. We are happy to help and support our customers. For this reason, we also offer individual and customer-specific trainings so that our customers can better understand our products and systems. One of our specialists gives the training on site or at our premises and helps our customer's new and existing employees to acquire a sound knowledge of the machines and its functions.

We constantly develop our machines further and keep our customers informed about product innovations, further developments and improvements. After all, our success is also the success of our customers.





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