

The logo for AVENTUS, featuring the word "AVENTUS" in a bold, black, sans-serif font. The letter "V" is stylized with a blue dot above it and a red dot below it.

**AVENTUS**

The text "Passion Expertise" in a white, sans-serif font, positioned in the lower right quadrant of the image. The background of this section is a black field filled with a dense, cascading stream of small, bright red, spherical particles that appear to be falling from the top of the frame, creating a sense of dynamic movement and energy.

**Passion  
Expertise**

The text "for your success" in a black, sans-serif font, positioned in the lower right quadrant of the white background. The background of this section is a white field with a faint, light blue, misty or smoky texture at the bottom, suggesting a clean and professional environment.

for your success

# Welcome to AVENTUS

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Only be satisfied when you feel perfectly looked after by us: starting with the rapid and competent answering of questions via quick support on site to realisation of extraordinary packaging solutions.

Because we at AVENTUS are united by one passion: we strive for perfection! We are convinced that technologies and services that are first and foremost oriented towards your wishes are solutions for the challenges of the future.

Together we engage in a market which is central to solving the future challenges. It is estimated that about nine billion people will live on earth in the year 2040. Their supply can only be reliably ensured if the transport and packaging of goods is perfectly organised.

We as the leading technology partner for the perfect flow of free flowing bulk goods feel committed to best supporting you by providing cutting-edge technology and first class services and thereby making our contribution to increasing security of provision of goods for people in the customer markets.

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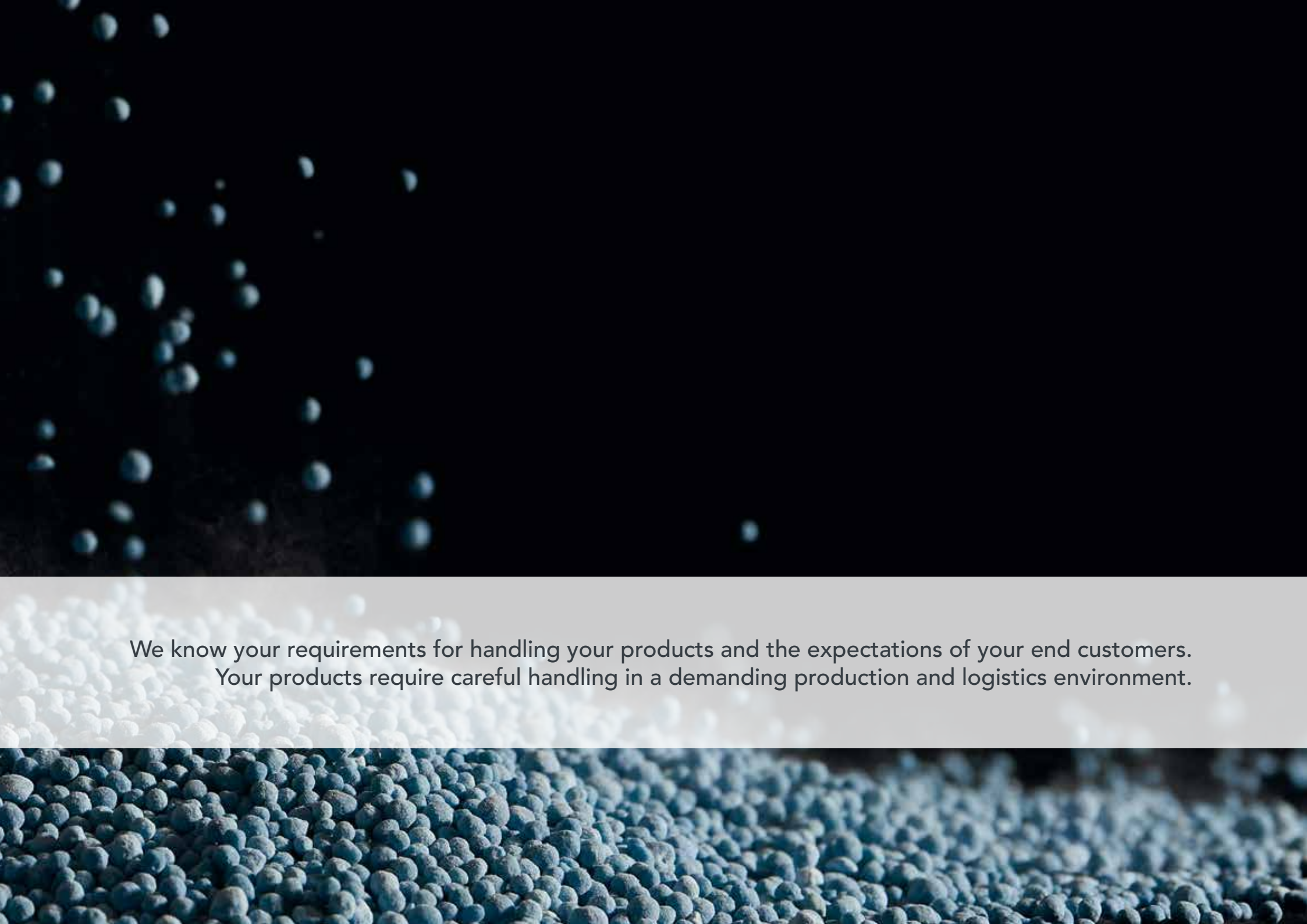






Your markets

*You are the specialist for your products - we pack them gently.*

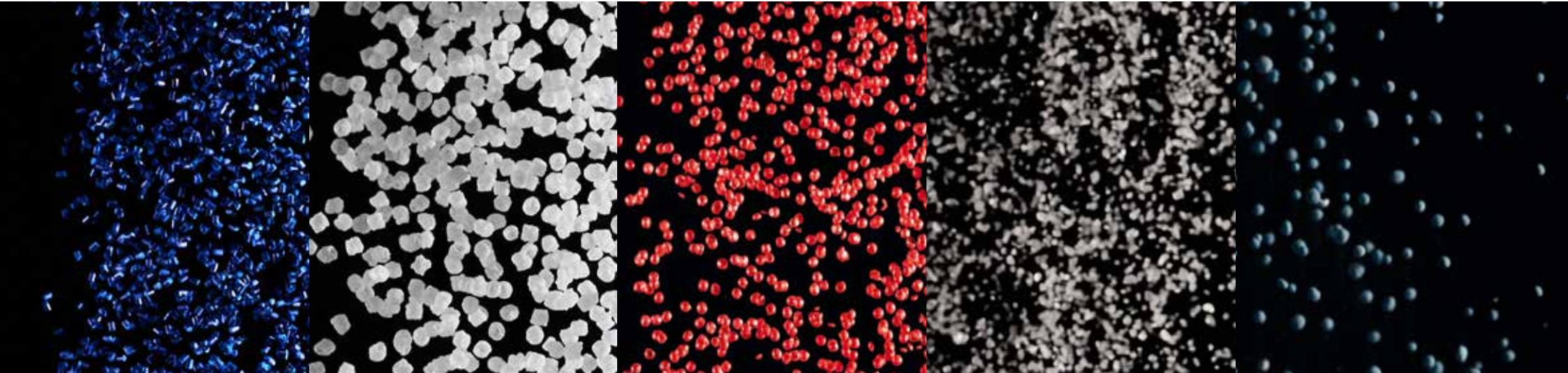


We know your requirements for handling your products and the expectations of your end customers.  
Your products require careful handling in a demanding production and logistics environment.



# Put your trust in us!

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## We understand your product and your customer market

You can rely upon the fact that we will master the challenges of the digitalized future of packaging and will always find the best packaging machines and logistics solution for your needs and the requirements of your end customers. This is because: we understand your product and your customer market.

## We have focused on:

- Salt with its diverse applications in almost all industries
- Fertilizers, whether in a standard or special composition
- Chemical and petrochemical products, e.g. polyolefins, engineering plastics, high-performance plastics, polyurethanes, bioplastics
- Compounds - plastic granulate mixtures with polymers or other additives, e.g. filling materials, colour pigments, UV stabilizers, antioxidants



Our subsidiary NEWTEC BAG PALLETIZING has focused on:

- Pet food and feed, e.g. dog food, mineral feed, fish food pellets through to grain feed, horse feed
- Agribusiness - from cereals, e.g. couscous and rice, to seeds in their various forms as well as even wood pellets and bark mulch
- Biological fertilizers, e.g. compost and humus through to bone meal and horn shavings

If we are not sure about one product composition, our Technical Center is there to help and advise. In addition to a complete demonstration packaging line, it has various test devices for exact analysis of your products. Therefore, you can always be sure: we will provide you with the solution that suits you!

Regardless of whether you choose an FFS bag, big bag or octabin, you will receive clean, compact and weight-accurately packaged products that look attractive, are easy to handle and will not only arouse your customers' curiosity but also inspire them.



„No matter what challenge your product presents us with, we will tackle it.“



Claus Ohlmeyer | Sales Director



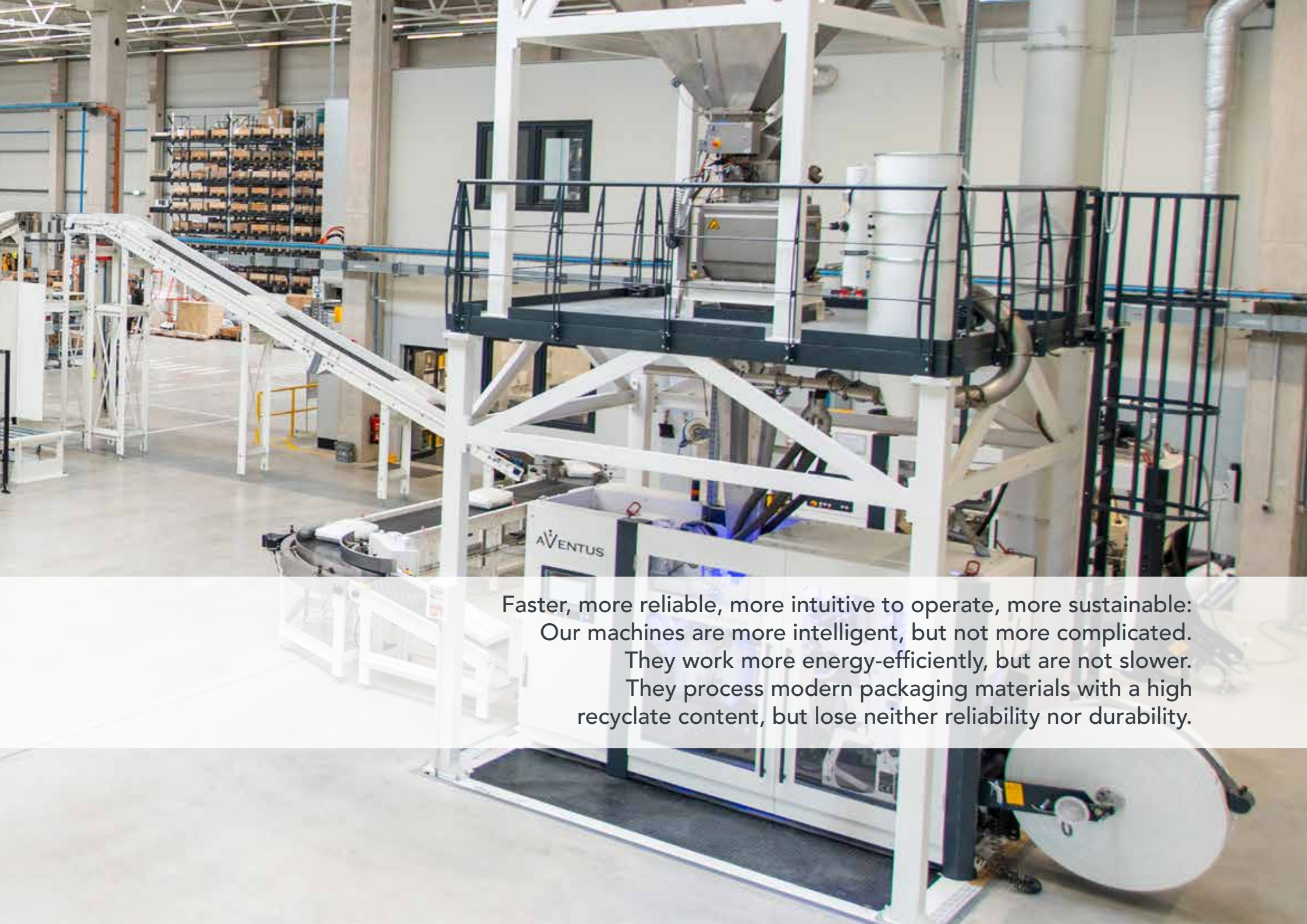




Our packaging technology

*So you are well prepared for your packaging requirements*





Faster, more reliable, more intuitive to operate, more sustainable:  
Our machines are more intelligent, but not more complicated.  
They work more energy-efficiently, but are not slower.  
They process modern packaging materials with a high  
recyclate content, but lose neither reliability nor durability.



Rely on Form-Fill-Seal - our FFS packaging technology



FFS technology

Our passion!



## So that your products arrive at your end customers attractively protected

High product protection, optimum shelf life, attractive bag shapes. Are these your fundamental requirements that your customers also have for modern packaging? Choose the FFS bag that fulfils all these wishes. We supply you with the matching FFS system TOPAS SF, INTEGRA ISF or FFS 600. This means that you get perfectly filled and extremely attractive bags and at the same time a machine technology that can be operated easily and intuitively for an exceptionally economical packaging operation. On our machines you can process state-of-the-art film materials with a high recycle content in an energy-saving and environmentally friendly way.

## Why you should choose our FFS technology

- High product protection, good shelf life, attractive sales presentation due to tightly welded and compact PE bags
- Sustainability through minimised packaging material requirements as well as use of recycled materials
- Space-saving, powerful and reliable machine designs for maximum economic efficiency and absolute reliability with a high degree of automation and minimised operating and maintenance effort
- High user-friendliness due to intuitive operator guidance, clean packaging environment, good accessibility and low noise level
- High flexibility due to a mobile machine design and easy changeover to other product and film types

### TOPAS SF - *Our high-performance design for high-end applications*

You will not come close to its speed and efficiency with any other FFS machine.

### INTEGRA ISF - *Our modular design for different performance ranges*

Be inspired by its ingenious modular design when it comes to the perfect solution, even for lower outputs.

### FFS 600 - *Our flexible design for multiple applications*

If you process special products or run at smaller outputs, then you are right with it.



### Products

Microgranules, granules, pastilles, pellets, flakes



### Bag type

Bags made of plastic film, PE tubular film or combinations of materials, films with recycle contents



### Filling weights

5 to 50 kg/bag



### Capacity

300 to 2,600 bags/h



Fast and accurate - our net weigher



**Weighing technology**

Speed & accuracy!





## Because when weighing and dosing your products, it is all about speed AND accuracy

Would you like to give away product as a producer? Or do your customers accept underweight bags? On top of that, your packaging performance must not suffer despite the weight accuracy.

Rely on our net weigher. It stands for absolute reliability, accuracy and is suitable for high-performance application. Users who know it from their daily packing operations appreciate its low maintenance requirements, its robust and compact design as well as its high user-friendliness. The control of the weigher is integrated into the filling machine.

## The special: our net weigher as manual filling unit

Are you looking for high weight accuracy and reliable product filling even in manual operation? For this purpose, we equip our net weigher with our open-mouth bag filling spout and thus transform it into our ELEMENTRA EOF manual bagging machine.

## What our net weigher can do for your packaging operation

- Reliable product processing through product-specific dosing units
- High weight accuracy due to precision load cells, servo technology and self-adjusting controls
- Stainless steel design of all parts in contact with the product
- High user-friendliness due to easily accessible and low-maintenance machine design
- Simple and intuitive operator guidance
- Optional: water rinsing for cleanliness during product changeover
- For particularly single-product applications: cone design with virtually no deposits and automatic water flushing



### Products

Microgranules, granules, pastilles, pellets, flakes



### Bag type

Bags made of plastic film, PE tubular film or combinations of materials, films with recycle content



### Filling weights

10 to 50 kg/bag

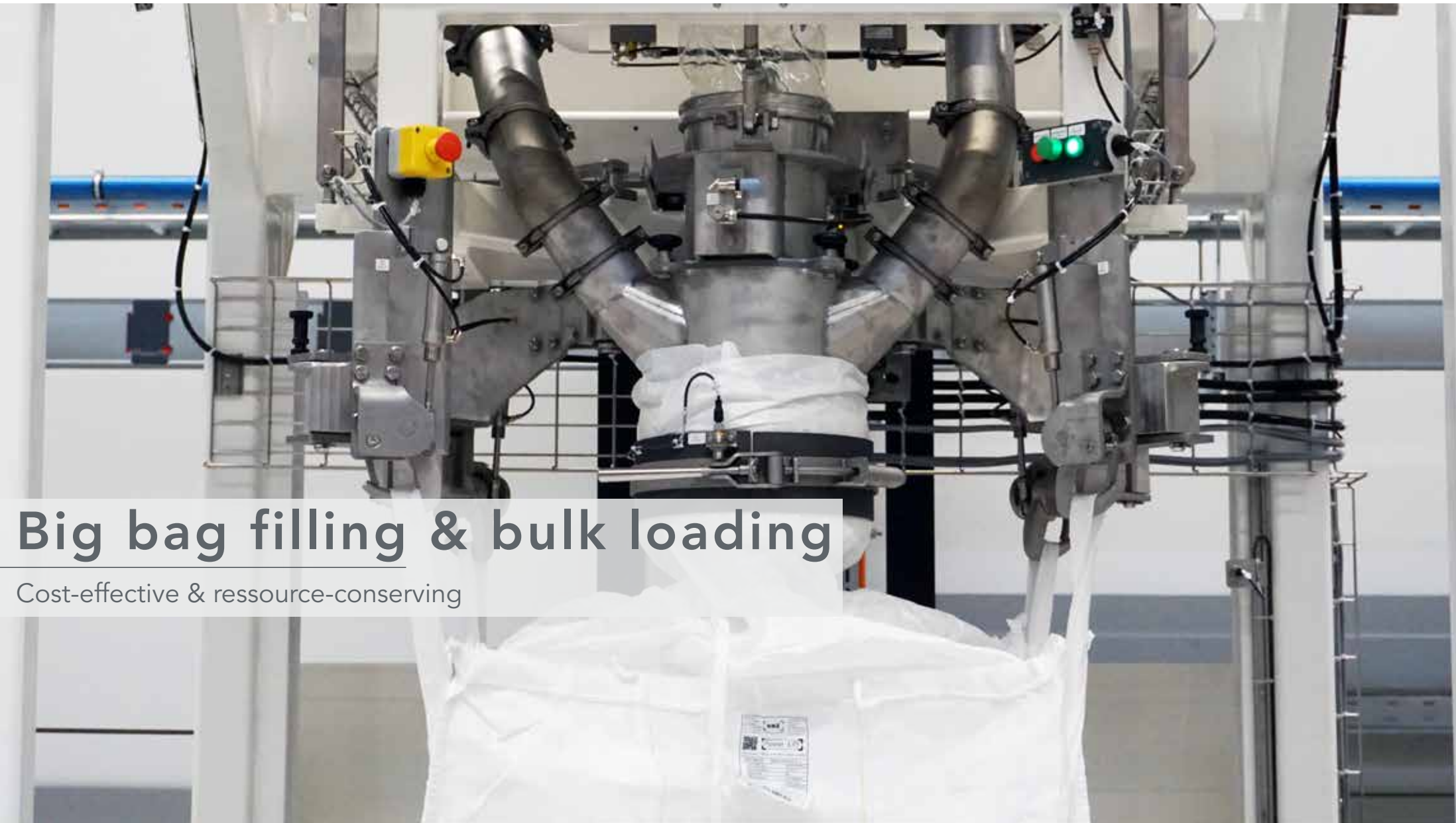


### Capacity

600 to 2,600 bags/h



What works on a small scale also works on a very large scale:  
our ELEMENTRA EGF and bulk loading



## Big bag filling & bulk loading

Cost-effective & resource-conserving



## Transport your products in a cost-effective and resource-conserving way

Use big bags or octabins. They are safe, efficient, easy to store and environmentally friendly due to multiple use. We supply you with the right filling technology, our ELEMENTRA EGF with or without peripherals. Its configuration is adapted to your on-site situation and your product, so that you can fill salt tablets, for example, just as reliably as fertilizers or plastic granulates. You can even make your ELEMENTRA EGF mobile with the help of an air cushion or wheels.

### Why you should rely on our ELEMENTRA EGF

- Optimal and gentle product filling thanks to our product-specific dosing systems
- Weight-accurate product processing: suspended weighing protected from influences
- Easy operation thanks to intuitive operator guidance and reduced maintenance requirements
- Ergonomic design and good accessibility thanks to rear hooks and filling head that can be swivelled towards the operator
- High flexibility due to our modular design up to mobile version and automation
- Cost optimization through high machine availability

### Excursus: Use our net weighers as a dosing system for your truck, wagon or container bulk loading

Today, silo batteries are often realized as a multi-level concept. On the first floor, FFS bag and big bag packing machines are used as mobile units for product filling. On the ground floor, space is left for truck lanes. With our bulk loading unit, which is also arranged in a mobile way on the first floor, you dose the load of the truck or wagon in a high-performance and very precise way by means of multi-fillings. Optionally, a metal detector with automatic discharge can be integrated.

### Why you should use a bulk loader above the net weigher

- Space and cost savings, because no additional infrastructure and no intermediate material transports are required
- High capacity of up to 90 t/h
- Particularly high accuracy



#### Product

Free-flowing bulk material of all kind



#### Bag type

Big bags and octabins of all kind



#### Filling weights

200 to 1,500 kg/bag



#### Capacity

Up to 30 bags/h with gross weighing  
Up to 40 bags/h with net weighing



Reliably stacked - our bag palletizers



# Palletizing

Secure & compact!



## How your bags reach your end customers undamaged

Your filled bags are clean and compact. They offer your product the best possible protection. However, the way to your end customers is long. Your bags must survive the transport well. They must not be damaged or tipped over. At the same time, loading and storage spaces should be used optimally without wasting space. Our flexible palletizing and load securing systems offer you all this and much more.

## Why you should choose our palletizing and end-of-line packaging systems

- The friendliest palletizer in the world: low-maintenance and durable machine design for exceptionally gentle and careful bag handling
- The most beautiful pallet in the world: especially with the ARCUS and AURUM, no bag pushes another
- Customized palletizer design for your bag types or sizes and pallets, with high or low infeed
- Convenient operation thanks to intelligent communication systems with intuitive user guidance
- Compact design that nevertheless contains the best technical refinements

### TERRAM - *Our small one with low infeed for up to 1,000 bags/hour*

It will inspire you with its compact design and with its good adaptability to the needs of your industry. Operation and maintenance are carried out conveniently from the ground.

### ARCUS - *Our big one with high infeed for up to 2,200 bags/h for 5 bags/layer*

It brings your bags together in one pile in the greatest possible harmony and synchronicity, just the way you need it for your industry.

### PLATINUM and AURUM - *Our high performers in 3 performance levels for up to 2,800 bags/hour for 5 bags/layer*

More modern, faster, safer, easier to operate, more energy-efficient - they are your solution, especially if you are active in the petrochemical industry; they are also ideal for all other high-performance applications.

## Well protected

Your bags are accurately stacked on the pallet. However, the pile is still unstable, can shift or be damaged. Nothing is more obvious than to cover the pallet with a protective film.

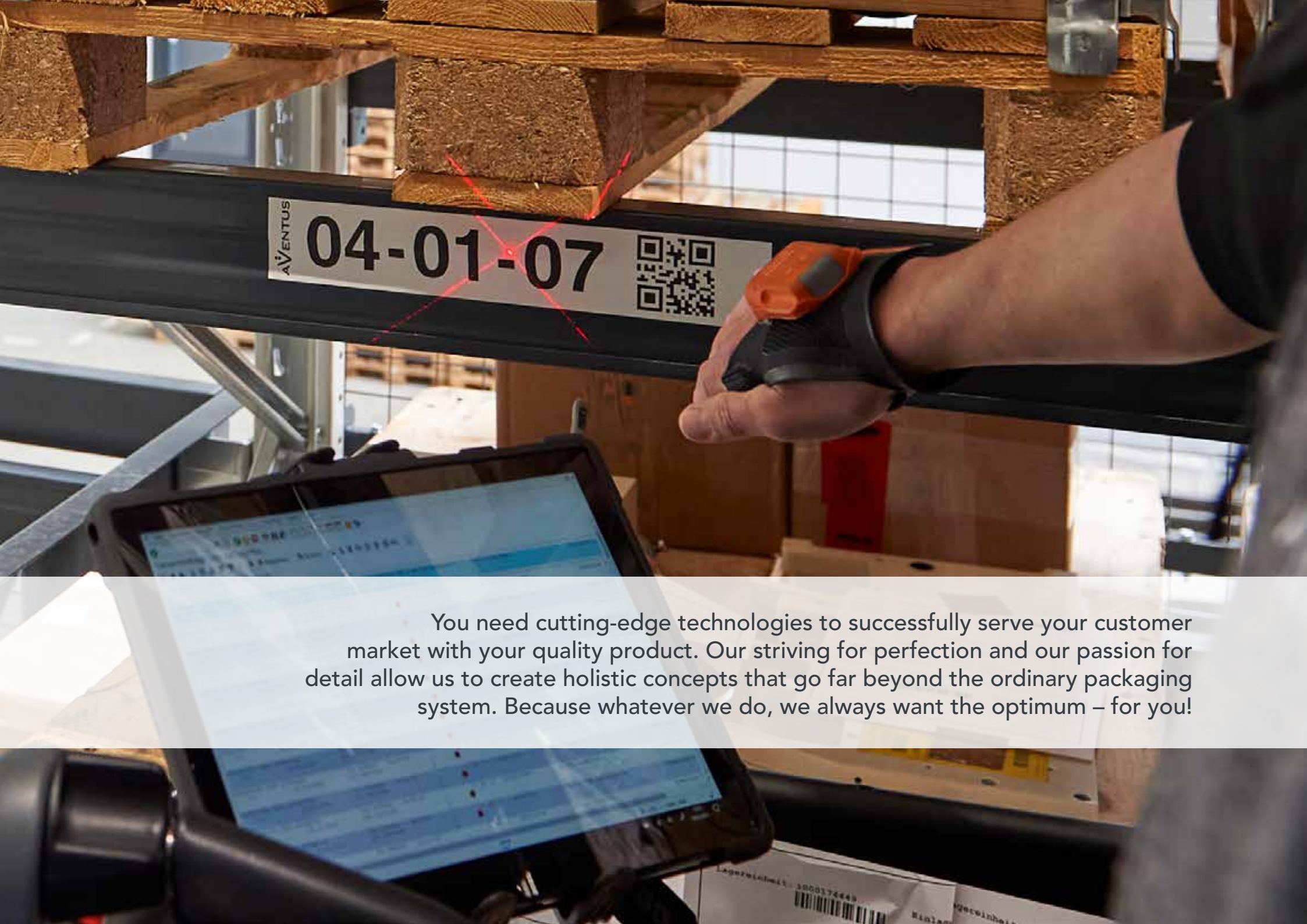
For this purpose, use our ARGON stretchhood system in the exact design for your pallets.





Modern data management and engineering

*Core elements around your packaging line*



You need cutting-edge technologies to successfully serve your customer market with your quality product. Our striving for perfection and our passion for detail allow us to create holistic concepts that go far beyond the ordinary packaging system. Because whatever we do, we always want the optimum – for you!



Meaningfully processed - our data management systems



**Automation**

Efficiency & transparency

## How data processing can be fun

Which evaluations do you run daily, monthly or annually? Which analyses do you need for the transparency and optimization of your processes? Would it not be fantastic if you could get all the data in the appropriate form with just a few mouse clicks from a single data pool that perfectly fits into your software landscape?

We offer different software solutions for all of your packaging and processing needs. It starts with the classic weighing data collection via process control and production management systems up to complete dispatch automation.

## Why you should use our software solutions for your process optimization

- Individually tailored software packages through to complete packages for the entire value chain
- Optimization of your production through improved condition monitoring with data tracking and storage in real-time and intelligent automatic parameter adjustment
- Increase of data transparency and improvement of data analysis through continuous production data acquisition
- Reduction of downtimes through fast data-based fault analysis
- Optimization of maintenance intervals through component-specific automatic maintenance notification
- Simplification of traceability through modern data visualization
- Controlled data storage and data access through simple connection to your existing systems

## Make your data transparent - let your machine speak: our IIoT-solutions

Thanks to intelligent networking of the machines, we create automated communication channels both horizontally in production and vertically to the ERP system for even better efficiency and reduced use of resources.

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„Reduce your costs with modern data processing that is completely tailored to your individual production and packaging landscape. Try it out. You will be thrilled!“



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Claus Ohlmeyer | Sales Director



Turnkey solutions, all from a single source - our engineering

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## Engineering

Everything in perfect harmony!



## Fully exploit your potential in the overall process

You want the best technologies from the best specialists for your overall process, but you are worried about the coordination effort? Not with us! Through our close cooperation with our parent companies, we can draw on an extensive network of outstanding specialists, who are familiar with all the requirements of packaging, its upstream and downstream processes as well as perfectly coordinated interfaces:

- We put you in touch with the best film and bag manufacturers in the world, who exactly know which packaging material your end consumers prefer in which regions and why. Our parent company WINDMÖLLER & HÖLSCHER is a leader in the field of film and bag making machines.
- Under the umbrella of our parent company HAVER & BOECKER, numerous specialists are united for the processing and storage of bulk materials and liquid filling right through to the automation of complete processing operations.
- Within the framework of our POLYMER ALLIANCE, we offer complete solutions in close cooperation with our partners JSW and Zeppelin Systems for polymer handling and logistics.

## Why you should entrust us with your overall project

- Turnkey solutions all from a single source: high cost efficiency, fewer interfaces, less project risk - from the start of the project to commissioning and service
- An economical overall process based upon individual components that are perfect for your project with subsequent overall configuration for your individual requirements
- Reliable, consistent production due to use of the best technologies, combined into an ideal overall composition



„Do not rely on generalists who will deliver your plant as cheaply as possible; rely instead on a family of specialists who will complete your tasks as profitably as possible.“



Kai Lammers | Managing Director



A white SUV is shown from a side-front perspective, driving through a tunnel. The tunnel walls are lined with vertical metal bars. The scene is filled with falling yellow and orange leaves, creating a sense of motion and autumn. The car's side mirror, door handle, and front headlight are visible.

Our services

*First-class support - always!*



A close-up, front-quarter view of a white car, likely a truck or heavy-duty vehicle, moving at high speed. The car's hood features the 'AVENTUS' logo in black, with a stylized 'A' containing a blue and red dot. Below the hood, the front grille is visible, and a license plate with the word 'SERVICE' is mounted. The background is heavily blurred, suggesting motion.

AVENTUS

Sit back. With our packaging solutions you always get one outstanding quality that is designed for a long service life.

To keep it that way, rely on our services.

We are here for you to solve any challenge with you.

Set your sights on success - with our services



## Services

Well looked after!



## In this way you are laying the foundation for reliable packaging operations

Availability, performance, function - these are some of your basic expectations upon your new packaging line. Expectations that we gladly fulfil for you. Therefore: have the commissioning carried out by our experts who are at home in the world and also in your vicinity. They know their stuff. They adjust your system optimally for your application. From pure assembly supervision to turnkey installation and commissioning with your products. And if desired, as an all-round carefree package, including delivery of the films and production support. Contact us; we will advise you on your individual service package.

Just like your training package from our AVENTUS Academy. Well-trained employees are motivated and willing to constantly care for the technology like the apple of their eye. Therefore: have them trained, either with us in our modern training rooms, during commissioning or digitally. They will thank you for it, operate your system longer without malfunctions and, if malfunctions do occur, can quickly rectify them.

## It, too, is one of the cornerstones: regular maintenance

Unexpected plant shutdowns cause stress, hassle, lost production and costs. Plan the shut-down, avoid breakdowns. Regular maintenance allows you to obtain the maximum service life of your plant and secures a constant high quality of your packaging. You decide when and how often you service your plant. We offer you various maintenance packages at special prices.

## Why the support of our service technicians is good for you and your business

- Everything from a single source: reliability from the first planning work through to a ready-to-operate plant and much more
- Perfect support of your system for consistent packaging quality, maximized availability, fast troubleshooting and longer machine lifetimes
- Improved cost structure due to reduced repair and maintenance costs
- Time and cost savings due to the expertise of our experts as well as through remote maintenance and our Visual Assistance
- Sustainability due to reduced CO2 emissions on the basis of better coordinated service technician and reduced on-site deployments

## And if an unplanned outage does occur

With our remote service, we can be on site quickly, wherever your production facility is located.

If you wish, our experts can connect directly to your system. With the help of our Visual Assistance, you can show them live what you are seeing. Be inspired by how easy, fast and cost-effective troubleshooting can be digitally.



For continuous, fault-free and modern packaging operations



**Originals**

Up to date at all times!

## Ready to act at any time: with our original parts

Your customers expect that they will receive their ordered products attractively packed and on time. Make sure that this is the case and always stays that way - with our precisely fitting original spare parts for more reliability and lasting value in continuous operation. They can be replaced easily and quickly, even more so if you stock wear parts according to our recommendation - and also otherwise through short-term deliveries from our extensive spare parts warehouse. Also take advantage of our regular service, e.g. in the form of a maintenance contract, and avoid unplanned downtimes.

## Remain up-to-date with our PERFORMANCE KITS

Your ageing packaging plant continues to perform outstanding services, but is it technically up to date? Or have your requirements changed? Give your system a freshening up with the aid of our PERFORMANCE KITS. In this way, benefit from innovations and improvements with proven functionality. Our PERFORMANCE KITS are available for many machine modules, for example for bag manufacture, bag handling, drive technology, control or operation, etc. They increase your productivity and secure your machine availability.

## Why you can only win with our original parts and PERFORMANCE KITS

- High productivity and consistent machine availability thanks to custom-fit components and simple modernization
- Safeguarding and extending the machine service life - at the same time: more sustainability
- Lower investment costs and a simplified investment cost procedure with a short-term high ROI
- Quick commissioning and reduced downtimes due to simple integration
- Reduction of operating and maintenance costs through accuracy of fit and modernization
- Avoidance of unplanned downtimes
- Ensuring the availability of spare parts

“Our spare parts and PERFORMANCE KITS are originals. They offer absolute reliability due to their precisely fitting shape, stable value and long service life.”



Fjolla Hoxha | Service Sales Manager





AVENTUS

AVENTUS

THE  AND  COMPANY

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We need a strong and focused team in order to optimally satisfy the needs of our customers both today and tomorrow. This is exactly what AVENTUS stands for.

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Become our fan - we will tell you why





## Are you looking for the ideal processing pathway for your products?

We are your technology and service partner for the perfect flow of your free-flowing bulk materials. We develop and realize packaging and logistics solutions - from filling into FFS bags and big bags through to end packaging of full bags.

AVENTUS was founded in 2018 as a joint venture company of the global market leaders HAVER & BOECKER and WINDMÖLLER & HÖLSCHER. Despite our close ties to our roots, we embody, as an independent subsidiary of companies with decades of experience, qualities such as focus, flexibility and dynamism in the spirit of an innovative specialist.

Our company headquarters are located in Warendorf, Westphalia, Germany. There, on our 10,500 square meter site, we have our own showroom with a sample packaging plant in addition to our production facilities and administration.

## All specialists in their field: our subsidiaries



With industrial main focus points and a technological focus: **NEWTEC BAG PALLETIZING**

In addition to its industrial focus on the pet food and agricultural sectors, NEWTEC BAG PALLETIZING, based in Illzach, Alsace, France, has more than 50 years of experience in development and production of palletisers and complete packaging solutions. The team is not only concerned about the bag used but also the careful handling of the bag contents.



For your direct local support in North America: **AVENTUS North America**

As a customer in North America, let AVENTUS North America accompany you into our exciting world of packaging. Our ANA team ensures your comprehensive local support in all matters to do with new machines, spare parts, rebuilds and services thanks to its immense know-how. It serves you from two locations: Houston, Texas, USA and Atlanta, Georgia, USA and has access to its own network of experienced sales people and service technicians - as well as to a comprehensively stocked local spare parts warehouse for rapid delivery of original spare parts.

We are exactly where you need us!

Thanks to our close ties with our sister companies and independent agencies, we have a large international sales and service network at our disposal - also on your doorstep.



Learn more about our roots - our parent companies

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## These are our parent companies



### HAVER & BOECKER

HAVER & BOECKER is a family-run company with its main offices in Oelde, Westphalia, Germany. Under the umbrella of HAVER & BOECKER OHG there are the Wire Weaving Division and the Machinery Division. The Wire Weaving Division produces wire mesh fabrics of all kinds and further processes them into many different ingenious wire mesh fabric products.

The Machinery Division, with its technology brands HAVER & BOECKER, W.S. TYLER, IBAU HAMBURG, SOMMER, BEHN + BATES, Feige FILLING and QUAT<sup>2</sup>RO is specialized in the processing, transport, storage, mixing, filling, packaging, palletizing and loading of products. The product range includes single machines and complete packaging and loading plants for bulk goods of all kinds, mainly powders or fluid and pasty products, as well as loading and unloading of ships. QUAT<sup>2</sup>RO combines all of the individual processing steps into a digital and intelligent overall process.



### WINDMÖLLER & HÖLSCHER

Founded in 1869, WINDMÖLLER & HÖLSCHER today is a worldwide leading manufacturer of machines and plants for the manufacture of flexible packagings. The product portfolio includes machines for film extrusion, printing and converting.

W&H has also been developing and producing machines for more than 40 years for the manufacture of flexible packagings made out of woven PP. The high-tech machines are designed at the headquarters in Lengerich, Westphalia, Germany. With more than 10,000 square meters, the technology center is the largest on the market for flexible packagings. Since 2005 the production facilities have been extended by a second modern production facility in Prostějov, Czech Republic.

The W&H subsidiary GARANT specializes in paper bag and second-hand machines. The customers receive everything from one source: from competent advice and engineering through to delivery of high quality machines and complete packing lines.

## Extraordinary

Our parent companies are two outstanding experts in their area with more than 300 years of combined practical experience.







### **AVENTUS GmbH & Co. KG**

Katzheide 33  
48231 Warendorf | Germany  
Phone: +49 2581 4591 1000  
E-mail: [info@aventus.global](mailto:info@aventus.global)  
[www.aventus.global](http://www.aventus.global)

### **AVENTUS North America Corp.**

1322 Space Park Drive (Suite C201-A)  
Houston, TX 77058 | USA  
Phone: +1 (480) 712 3004  
E-mail: [ana@aventus.global](mailto:ana@aventus.global)  
[www.aventus.global](http://www.aventus.global)

### **NEWTEC BAG PALLETIZING**

32-34 avenue de Suisse  
ZI Ile Napoléon, BP 256  
68315 Illzach cedex | France  
Phone: +33 3 8963 3750  
E-mail: [info@newtecbag.com](mailto:info@newtecbag.com)  
[www.newtecbag.com](http://www.newtecbag.com)