

# Gravity Series





BluePrint Automation, a different word for inventors

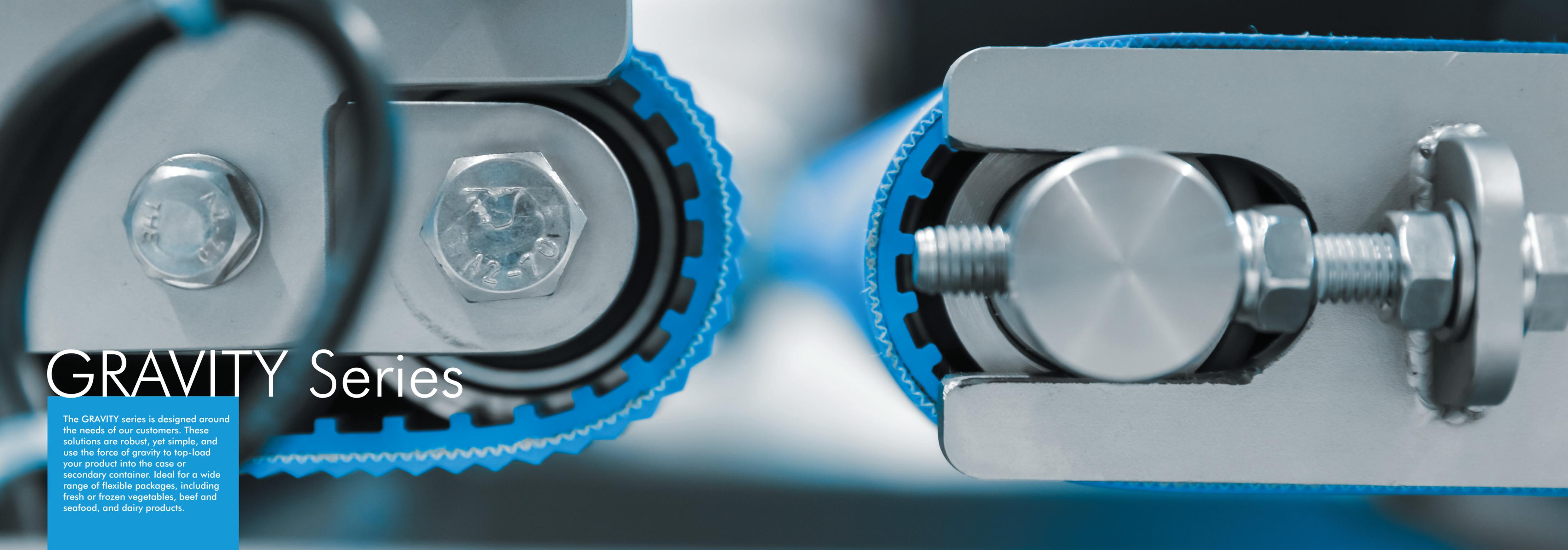


Quality, hygiene and consistent packaging are top priorities for manufacturers of food products. BPA designs, constructs, delivers and maintains packaging solutions for your industry that meet all these requirements and more.

By combining your specific needs with our innovational strength and modular systems, we jointly create a tailored solution that guarantees optimal output. Full compliance with the highest standards in quality, health and safety are of course always part of the solution.

Our turnkey solutions combine highly reliable and innovative case designs with the most versatile product handling and case packing. Our systems are built to operate 24/7 and have a solid reputation for their quick changeover, flexibility, speed and intuitive design.

# Creating success in today's packaging environment

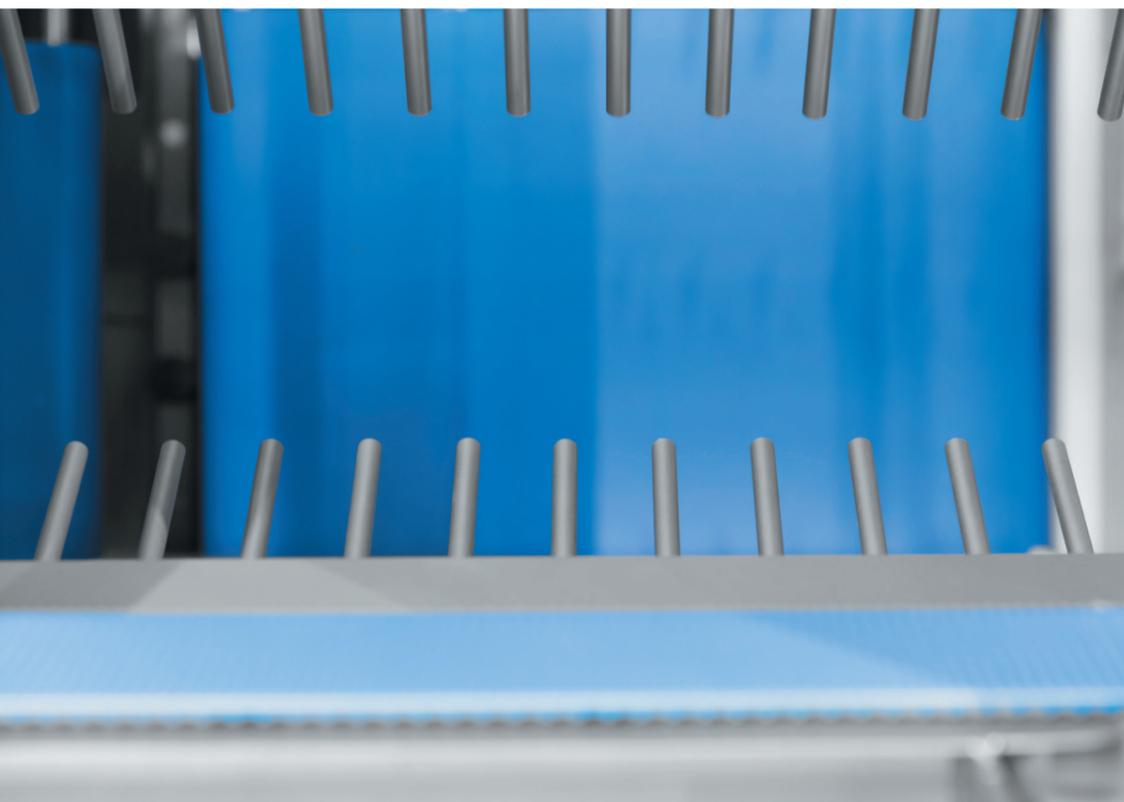


# GRAVITY Series

The GRAVITY series is designed around the needs of our customers. These solutions are robust, yet simple, and use the force of gravity to top-load your product into the case or secondary container. Ideal for a wide range of flexible packages, including fresh or frozen vegetables, beef and seafood, and dairy products.

# GRAVITY 100

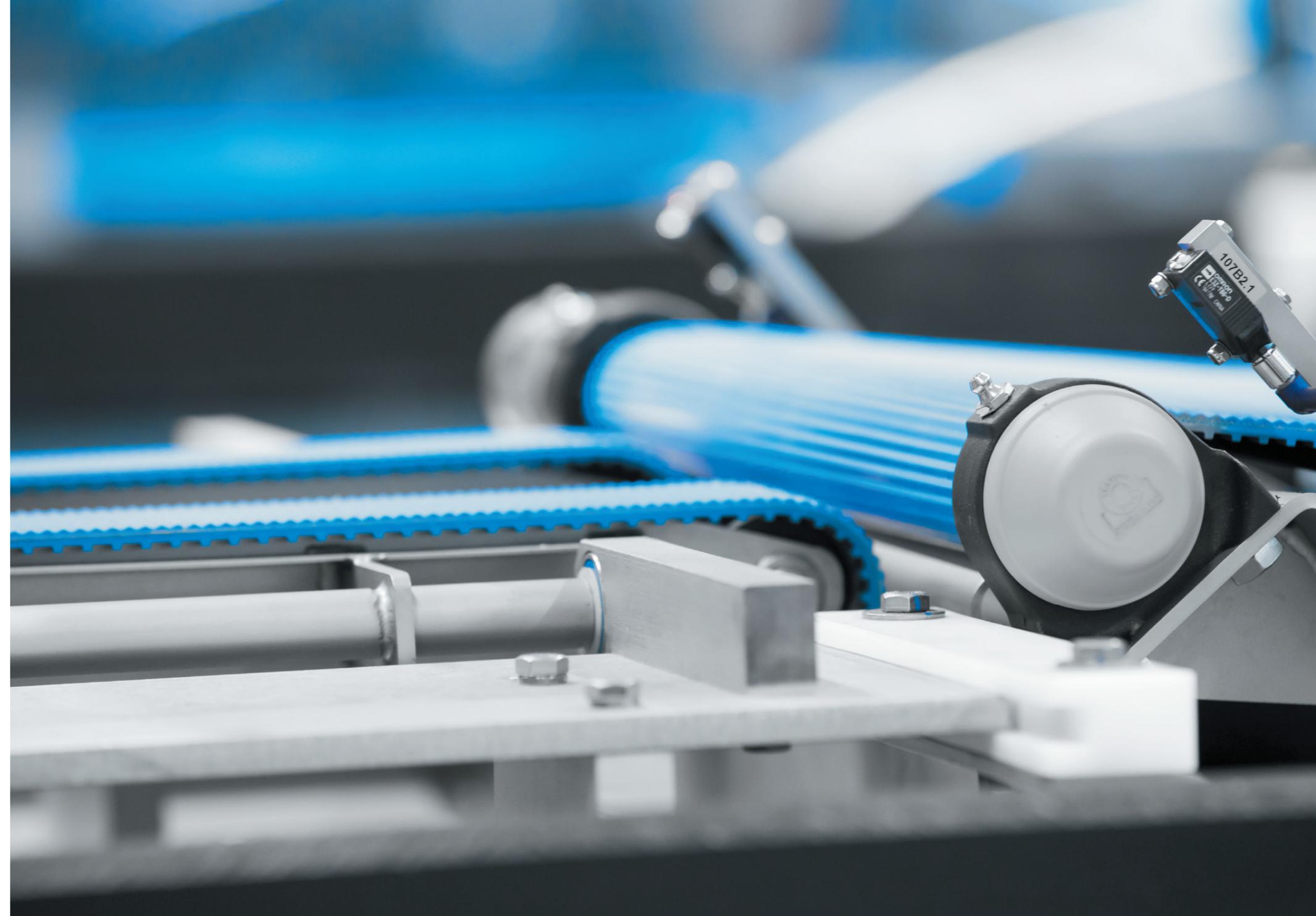
top loading of flexible bags into cases and crates

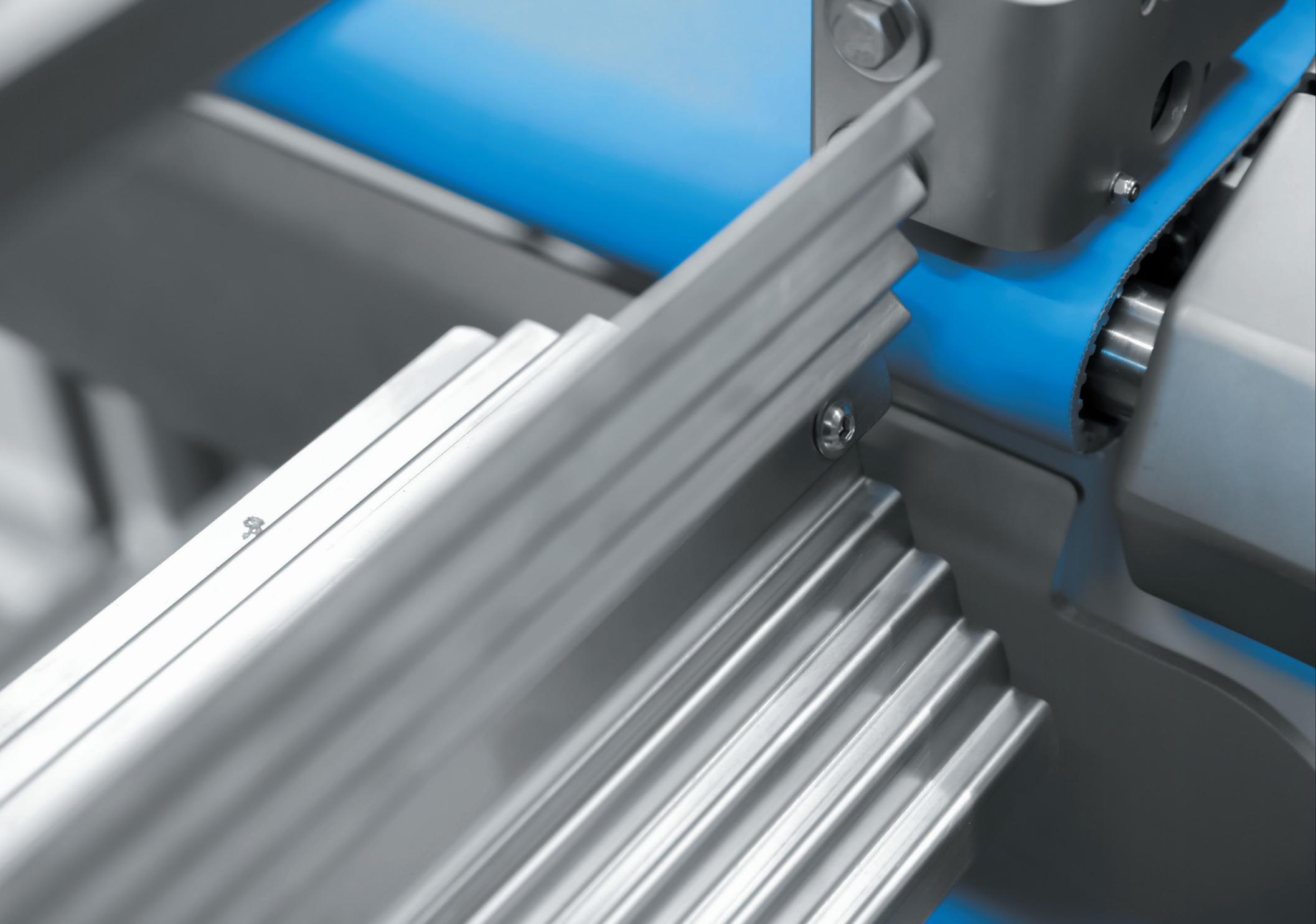


If your packing process requires the horizontal packing of bags into cases and crates, the GRAVITY 100 is the perfect solution for you.

This solution consists of a robust stainless steel frame, which houses various standard modules. Each module has its own specific function. By combining various modules in specific ways, a highly customized case packing line is easily created to ensure all your packing needs are met. The result is always a highly operator-friendly machine. It has an ergonomic and open design, and a full-color touch screen.

The HACCP design makes this machine easy to clean. It provides optimal accessibility to all areas where your product passes. For harsher processing environments often seen in the meat, fish and dairy industries, complete wash down versions are also available.





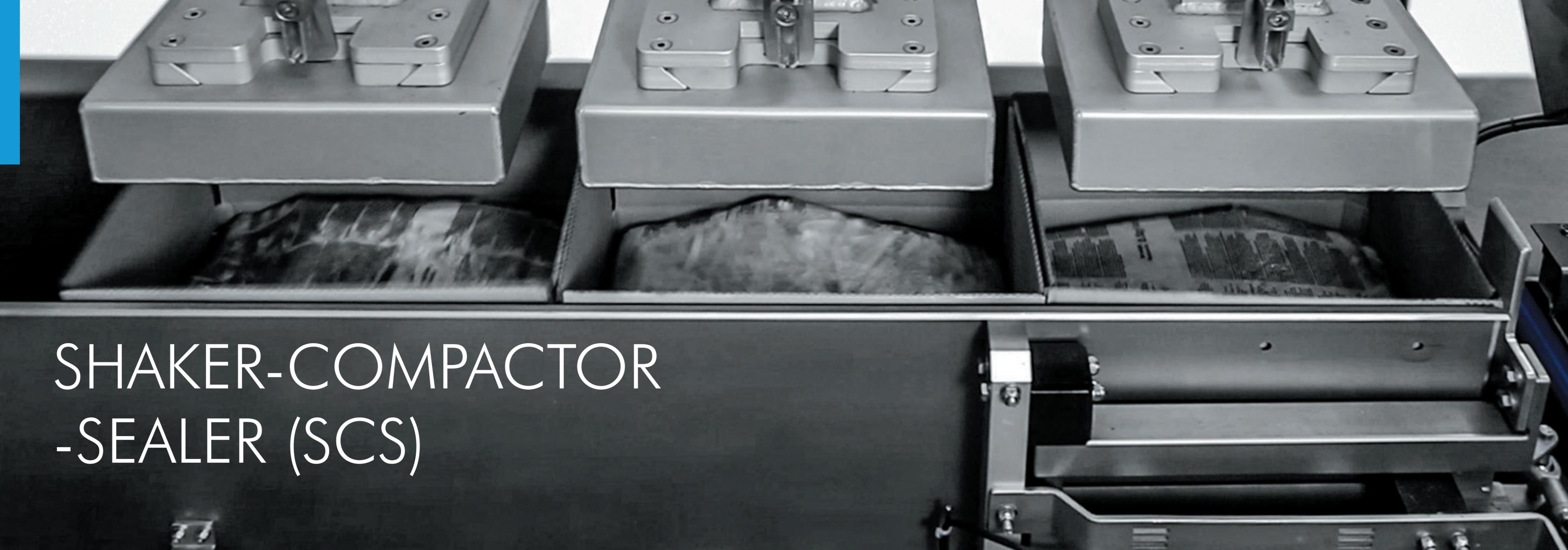
# GRAVITY 100R

high speed top loading of flexible bags  
into cases

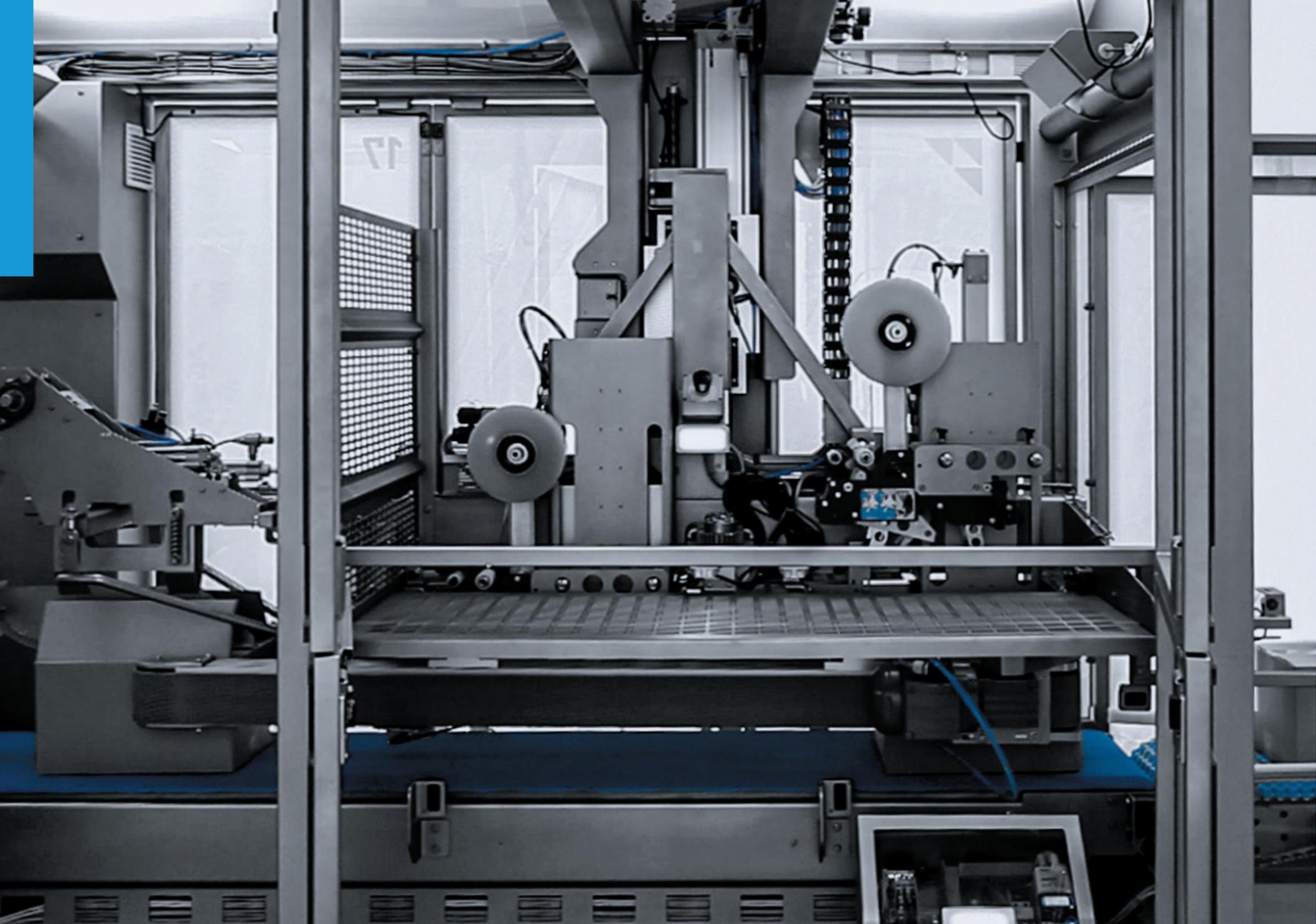
The GRAVITY 100R is a popular and impressive automatic case packing system. It is often used in the frozen food industry. This next generation flat packer is the result of close to 4 decades of experience and innovation. In its design, our team emphasized on simplicity, hygiene, speed and durability.

This rugged, simple workhorse contains everything to boost top loading output. Its rotors were chosen to deposit flexible bags into cases, and enable the machine to pack a wide variety of pack patterns at high speeds. Production speeds are boosted as case and bag size adjustments are all automated, also eliminating

operator errors. Its open design provides exceptional visibility of the entire packaging process. This allows for fast and easy training of operators.



SHAKER-COMPACTOR  
-SEALER (SCS)



## Complete automation of your post-packing process with a shaking, compacting and sealing machine

Once your BPA case packer has completed the process of packing your non-rigid product into its secondary casing, the only tasks remaining before shipment are product settling and case sealing. The new SCS by BluePrint Automation revolutionizes this post-packing process by fully automating it with a machine that compacts your product and seals your cases to achieve full transport-readiness.

### **Compacting**

For non-rigid products that have not properly settled in their packaging prior to being shipped, their exposure to

movements during transport causes product settling en route. As a result, empty pockets form within the cases, making them vulnerable to denting and damaging your product and corrugate. Compacting machines exercise vibratory movements to your casing while it is still within your controlled production environment. This process triggers product settling and consequently eliminates the risk of denting as the cases can now be completely filled.

### **Evolution**

Compactors have traditionally relied on a combination of vibratory elements for

product compacting and conveyor belts for case transportation. The new SCS is the first machine to ingeniously combine these two functions into a single element. Its patented Oval Roller vibrates to settle the product while simultaneously transporting the cases to the sealing machine to obtain your ready-to-ship result. Equipped with remarkable technology, the SCS achieves unparalleled consistent product compacting, sealing efficiency and cleanability while being smaller than traditional solutions.

### Results

The Oval Roller integrated within the SCS owes its development to scientific research which showed that oval shapes yield the best results while transporting cases and compacting their contents at the same time. The absence of a conveyor belt creates an open design with significantly improved cleanability and a considerable reduction in maintenance needs. All modules are operated from a central backbone integrated within the frame, making these core elements easily accessible.

During compacting, the servo-driven compression plates exercise pressure on your product to help it settle more quickly and efficiently. These floating plates apply optimal pressure to help your product settle while avoiding the risk of product damage. Changeover to different case sizes is fully automated: simply configure the dimensions of your next product container and your SCS will automatically self-adjust.

To safeguard continuity and eliminate jams, product levels inside the cases are measured by lasers which enables the immediate rejection of any faulty cases. Once a case has reached the configured product level, the top and bottom guide belts of the sealer firmly wrap around the case to keep it square during tape or hot melt sealing and ensure a perfect shape for every single case.





Your company, objectives and processes are unique. Listening to and processing your needs are therefore the most important aspects of our initial work. Our Sales and Engineering Departments cooperate seamlessly, to devise the solution that completely answers to your packaging needs. We aim to please and are thrilled by your increase in operational efficiency.

We listen to our customers' needs

### Flexibility

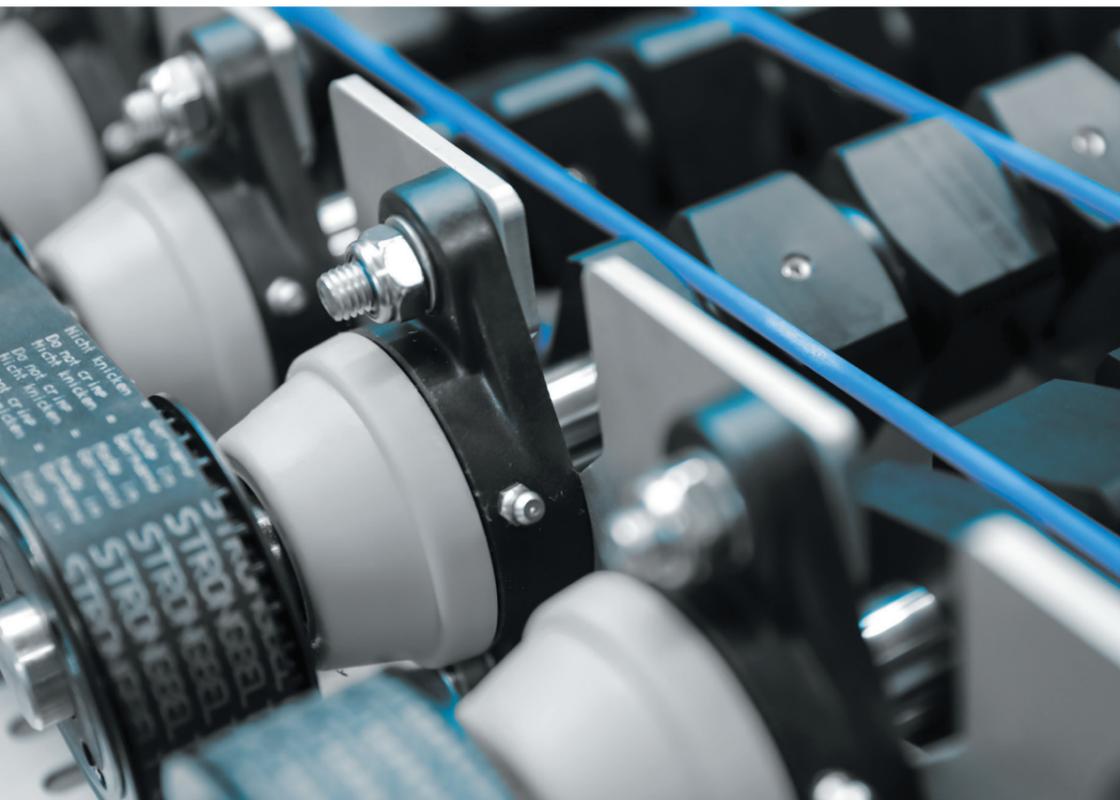
Our customers expect nothing but the latest and the best. Rigid and prefixed solutions do not help to truly make a difference. At BPA, we embrace flexibility, in our solutions and our attitudes. This enables us to create a true and lasting value for our customers.

### Innovation

We are absolutely passionate about innovation. It adds the fun and inspiration to our work. Our customers stimulate our innovation by developing new needs, and we ourselves are on a never-ending quest to find a better, simpler way.

### Partnership

Once a customer entrusts us with their needs, we never want to let them go. We value long term relations, as they reap the most benefits for everyone involved. Partners look out for each other and enable mutual success. At BPA, our customer always comes first.





Blueprint Automation bv  
Carrosserieweg 3  
3445 BC Woerden  
The Netherlands  
T: +31 348 410 999  
E: [sales@blueprintautomation.nl](mailto:sales@blueprintautomation.nl)

Blueprint Automation Inc.  
16037 Innovation Drive  
Colonial Heights Virginia 23834  
USA  
T: +1 8 045 205 400  
E: [sales@blueprintautomation.com](mailto:sales@blueprintautomation.com)

[www.blueprintautomation.com](http://www.blueprintautomation.com)