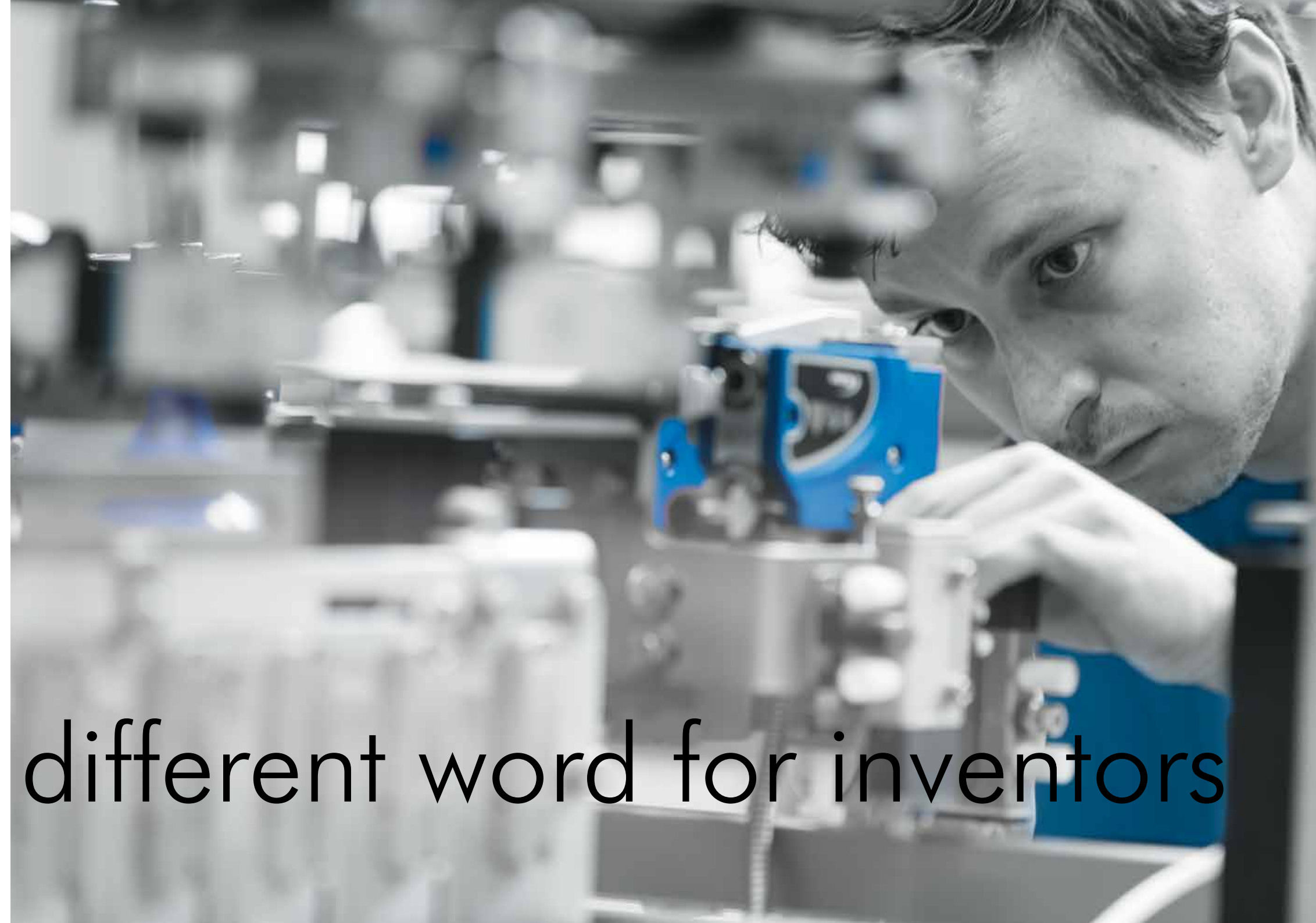


# Spider Series





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





# Robotics

Robotic case packing solutions add flexibility, versatility and speed to your case packing process. It is the most accurate way of packing your product into various secondary containers. The BPA robots have multiple axes, are equipped with our high speed collation systems and can perform on-the-fly picking and placing; both vertically and horizontally. As with all other BPA products, we ensure full product control before it enters the case packer. This guarantees a highly accurate pick and placement of your product.

Many reputable customers around the globe have opted for the robotic solutions designed and developed by BPA. Curious to find out how you can optimize your efficiency?

## SPIDER 100

horizontal case  
and tray loading

The SPIDER 100 fully automates bag handling and the horizontal loading process of cases and/or trays. It includes BPA's robotic platform provided with dedicated handling parts to match your specific application, including our patented SmartTrak system for high speed bag pre-collation and end-effector. The smart construction of this system significantly simplifies changeovers, making the SPIDER 100 easy to adapt to your future packing needs. Cases or trays are introduced manually, or pre-erected automatically.

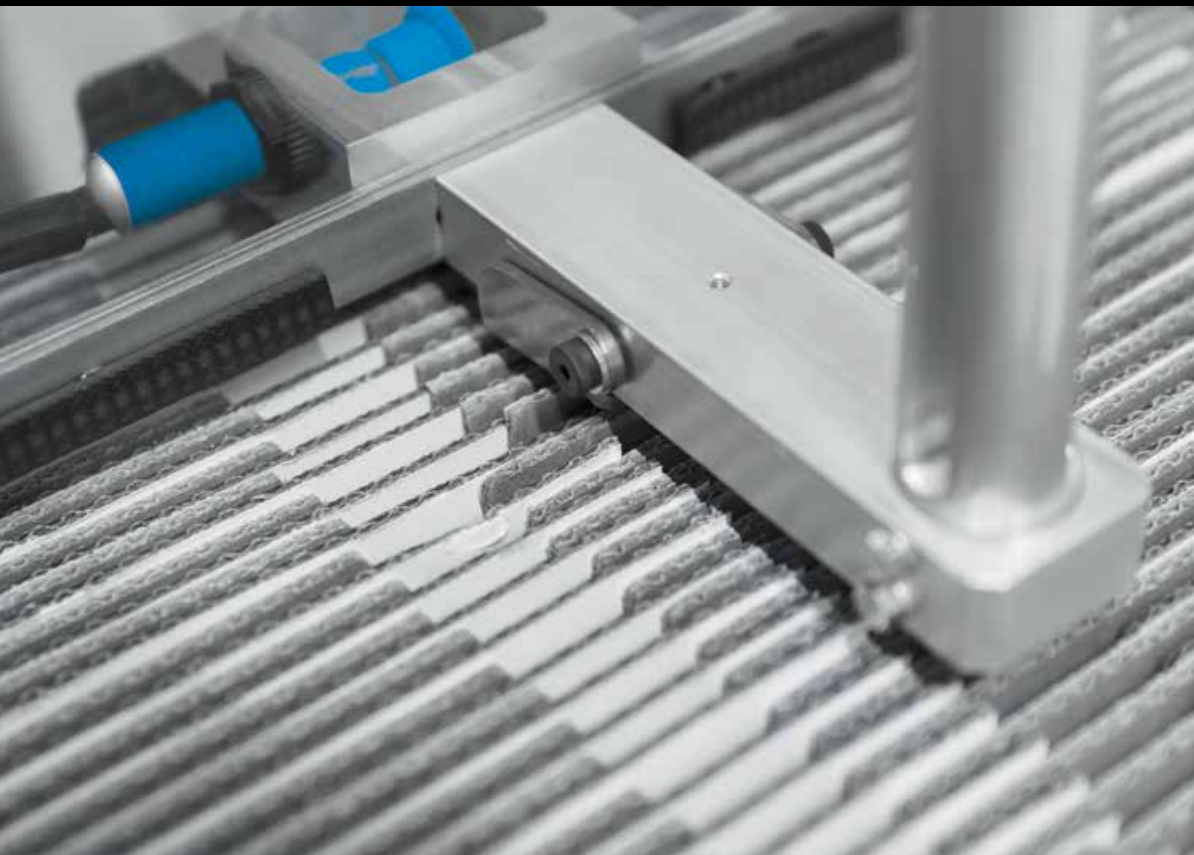
This automated solution uses a smart transport system that suits any customer layout.

On top of all these highly innovative features, all configurations of the SPIDER 100 include an ergonomic and open design. This provides for easy access to the machine and creates maximum process overview. The robust construction is made from high quality components, to minimize maintenance needs and maximize the continuity of your packing process.



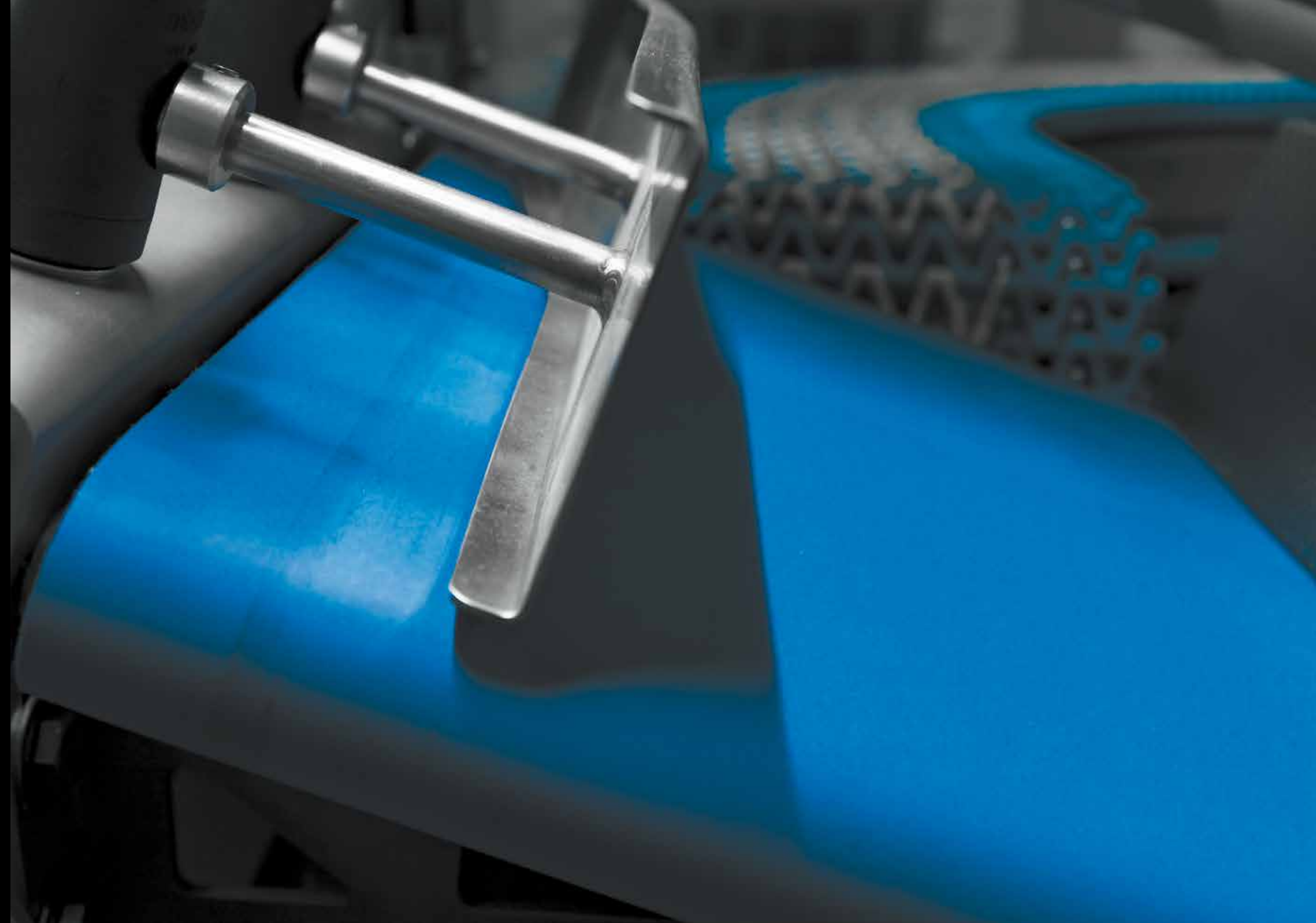


# SPIDER 100i



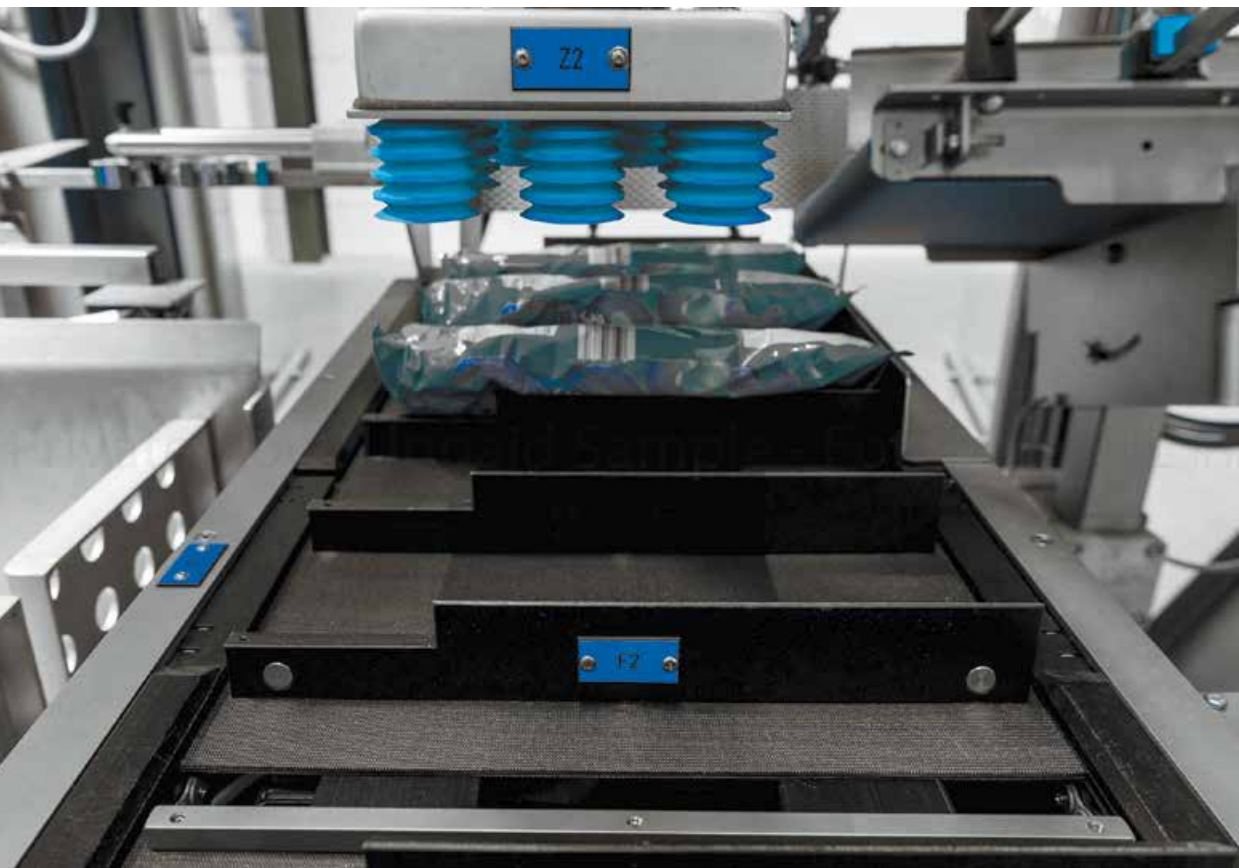
horizontal case and  
tray loading with  
integrated case  
erector and case  
closer

The SPIDER 100i includes all the high  
quality elements of the SPIDER 100 plus an  
integrated RSC case erector and top and  
bottom tape case closer.



# SPIDER 200

vertical case and tray loading



The SPIDER 200 is the ultimate packaging machine for your vertical packaging requirements. It is similar to the SPIDER 100, but used for vertical case loading, rather than a horizontal process.

# SPIDER 200i

vertical case and tray loading and closing with integrated case erector

The SPIDER 200i includes all the high quality elements of the SPIDER 200 plus an integrated RSC case erector and top and bottom tape case closer.







# SPIDER 300

## horizontal and vertical case loading

The SPIDER 300 enables you to pack flexible bags into cases both vertically and horizontally. The process used by this machine is as quick as it is innovative, and offers you a great deal of flexibility and versatility.

Once bags exit the bag making machine, the vision guided Spider Robot orientates the products in the right position. For

horizontal packing, products are picked up by the Spider Robot and placed directly into the case. For vertical packing, the empty case is first tipped 90° in front of the cassette. The Spider Robot then places the bags into the cassette. Once a cassette is filled with products, an automated pusher pushes them into the case in a single movement. After returning the case into a horizontal position, the bags are positioned

vertically into the case. Once the case is packed, a new empty case is automatically placed in the filling position. This seemingly simple process is an excellent result of technical ingenuity. Every aspect of the SPIDER 300 is aimed at enabling you to maximize efficiency in your case loading process.



# Vision guided robotics

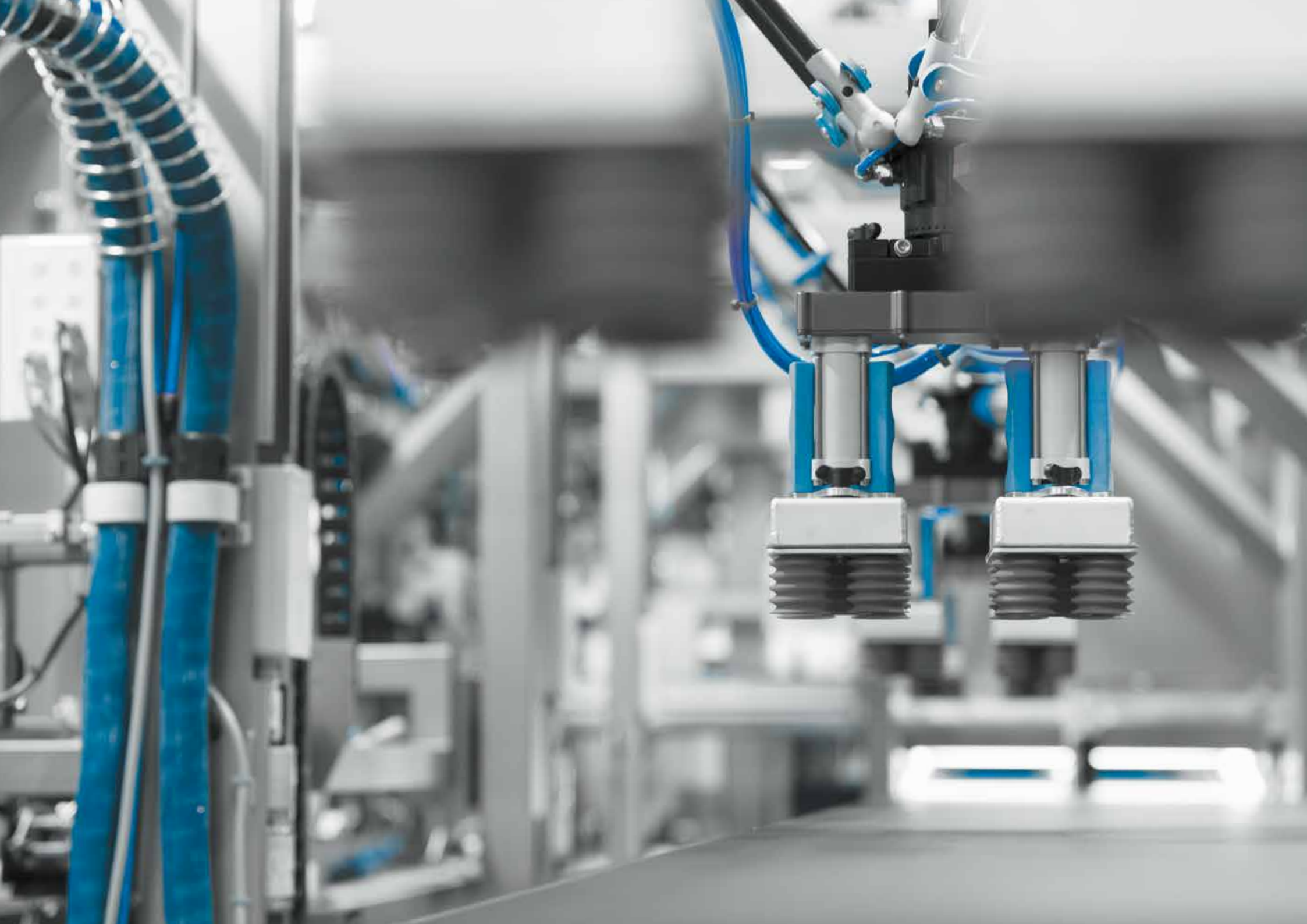


Vision Guided Robotic solutions are rapidly transforming production processes around the globe. BPA is a leading designer and manufacturer of these systems. Compared to regular robots, Vision Guided Robotics increase versatility and simplify implementation. They also reduce the costs and complexity of fixed tooling often associated with the design and setup of robotic cells.

Vision Guided Robot solutions have integrated cameras, used to provide a secondary feedback signal to the robot controller. The signal informs the robot where products are located on infeed conveyors. This contributes to greater efficiency and reduces error rates, especially in environments where products are introduced randomly. Furthermore, the cameras are also used for quality control, as they can verify dimensions, angles, color and surface structure.

Are you open to integrating another competitive edge in your company?



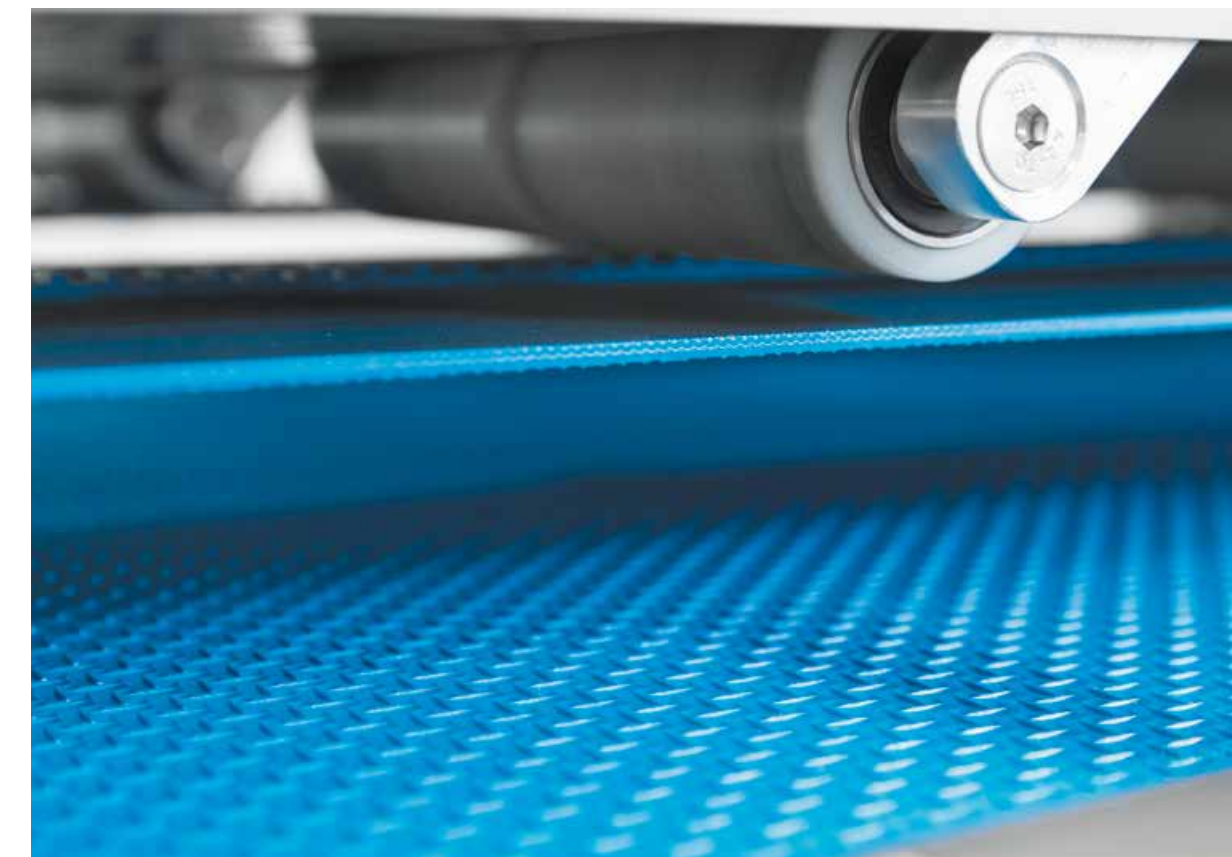


# SPIDER V series

vision guided robotic  
case and tray loading

All our SPIDER series can be executed with our in-house developed vision systems. By adding our vision technology on the product infeed of the SPIDER series, you add maximum flexibility, reduction of different format parts and optimizing the up-time of your case packing process. The variety of flexible bagged products and secondary cartons, cases or containers that can be handled on our SPIDER V-series are endless, whether you need to pack them horizontally or vertically.

The SPIDER technology and modular design of the robot cells is developed in-house by BPA. It includes custom infeed systems and bag and case conveyors. This allows for a tailor-made machine configuration, based on existing modules. The result is a machine that fits your process like a glove, and adds maximum versatility and efficiency to your packing process.





# SPIDER Q series

fully integrated vision guided case packing system

Your industry is demanding, and turnkey delivery is a must. The SPIDER Q-series fully meets these needs. It is a collective name for our highly versatile, ultra-compact and flexible case packing systems, available in various executions.

The SPIDER Q-series enables you to process a large variety of cases and bags


with a high production speed and a highly limited footprint. It consists of a mono block frame design, that integrates a full option packing process. A process starts with bag quality checks and ends with a checked, filled and closed case as output.

The SPIDER Q-series features a single HMI in which all controls are integrated. This

significantly reduces human effort and increases overview of the system. Changeovers to other recipes are exceptionally smooth as well, as 90% of the changeover settings are fully automated, reducing typical changeover time into a less than ten minute effort.







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.







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