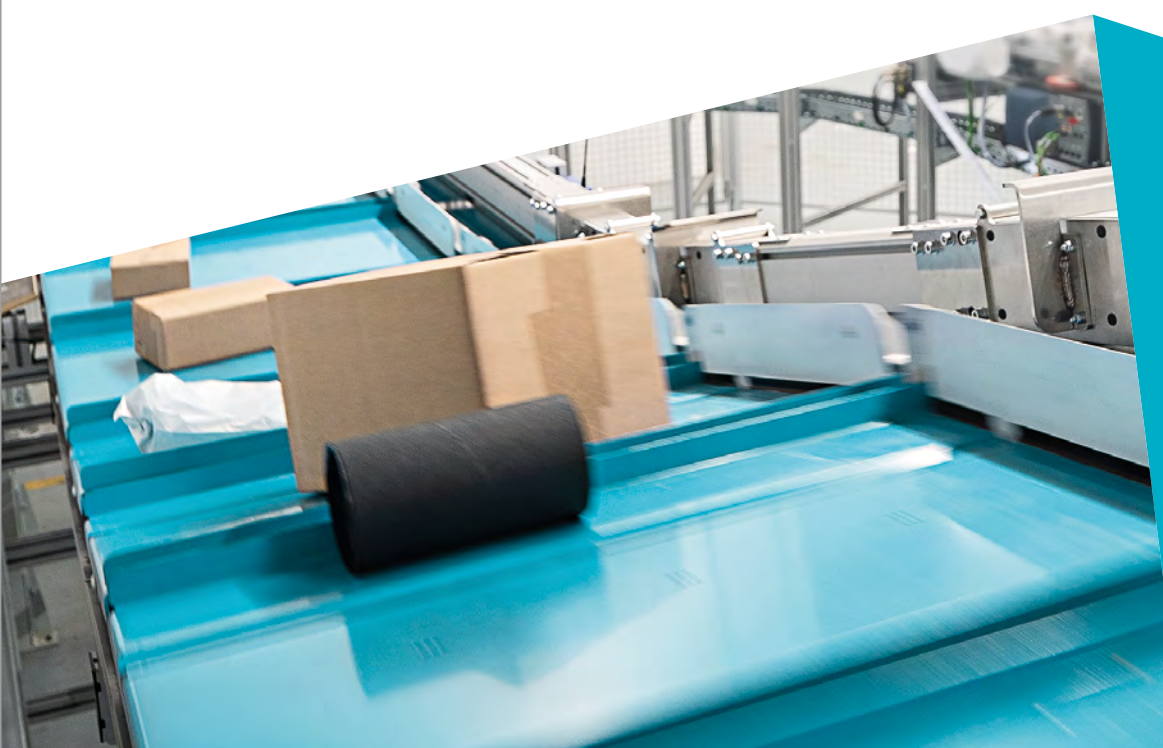


WE SPEAK INTRALOGISTICS



-  **INBOUND HANDLING**
-  **CONVEYOR SYSTEMS**
-  **PICKING SYSTEMS**
-  **SCALABLE SORTERS**
-  **OUTBOUND HANDLING**

✓ **INTRALOGISTICS SOLUTIONS FROM A SINGLE SOURCE**

✓ **END-TO-END PROJECT PARTNER**

✓ **CUSTOMIZED SOLUTIONS FOR INDIVIDUAL PROCESSES**

✓ **INVESTMENT SECURITY**

✓ **MODULAR, SCALABLE SYSTEMS**

✓ **WORLDWIDE SERVICE & SUPPORT**

FULL SERVICE INTRALOGISTICS

Short routes, lean processes and nonstop material flows that adapt flexibly to order and mailing volumes. From parcel sorting through e-commerce and omni-channel as well as retail and wholesale to the manufacturing industry and 3PL – in intralogistics, it all comes down to one thing: efficiency.

To ensure you achieve this, we leave nothing to chance when planning and implementing your internal logistics processes. Our modular intralogistics solutions automate your entire in-house logistics chain – from inbound to

outbound handling and beyond. They enable fast fulfillment and flexible handling of order peaks at the lowest possible cost – always with the goal of 100 percent customer satisfaction at the end of the supply chain.

Whatever challenges you are faced with in your warehouse – with our expertise and our cleverly thought-out, made-to-measure systems in combination with smart IoT software solutions from BOWE IQ, we optimize your logistics chain and reduce your order processing times from the first to the very last mile.

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING



OUR SOLUTION FOR YOUR INDUSTRY

WE SPEAK THE LANGUAGE OF MANY DIFFERENT INDUSTRIES.

As a modern technology and software company, we see ourselves as a partner at eye level. We apply our core competencies and expertise to the benefit of our customers operating in many different industries.

We don't simply respond to the growing challenges of the global market but address them proactively - through innovative forward thinking in automation and continuously optimized manufacturing processes. As a

result, we supply and implement high-quality technologies for numerous branches of industry with fully integrated intralogistics solutions for e-commerce, multi-channel retail, parcel delivery services, logistics service providers, the food and beverage industry and manufacturing - whatever it is you need to put you more than one step ahead in your business segment.

How can we help you improve your processes?

3PL THIRD PARTY LOGISTICS

INDUSTRY

FOOD & BEVERAGE

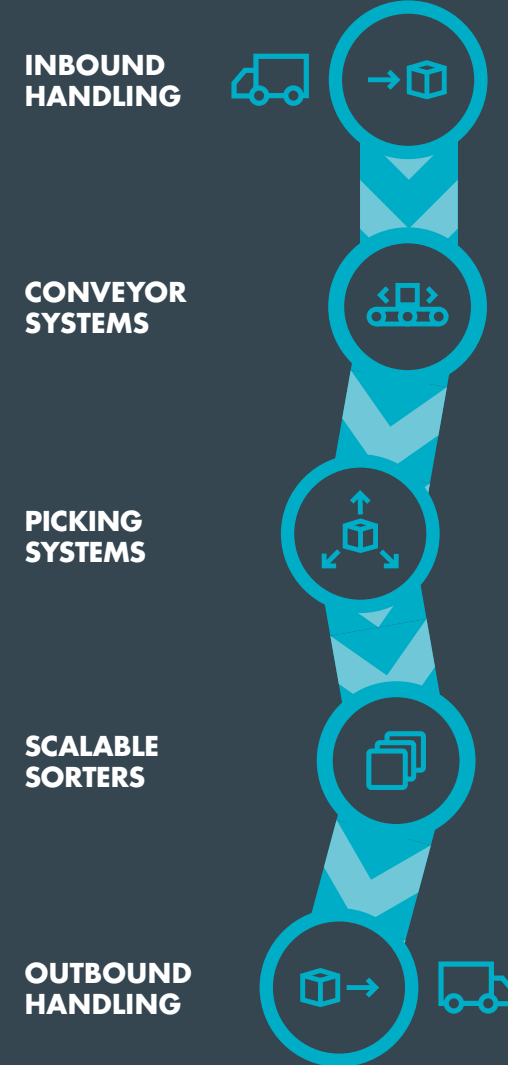
E-COMMERCE, OMNI-CHANNEL, WHOLESALE

INTEGRATORS

POST & PARCEL

 **FIND OUT MORE ABOUT OUR SOLUTIONS FOR YOUR INDUSTRY**

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS





PRODUCTS & SERVICES



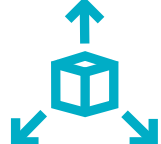
INBOUND HANDLING

Lay the foundations for a successful internal supply chain with efficiently designed inbound handling solutions. Reduced unloading times guaranteed.



CONVEYOR SYSTEMS

Flexible conveyor systems manufactured in-house ensure automated and optimized internal goods and material handling.



PICKING SYSTEMS

Order fulfilled! Pick-by-Scan, Pick-by-Light and Pick-by-Voice systems support paperless picking and material supply.



SORTERS

From small to large: with our portfolio of powerful, scalable sorting systems, we provide a sortation solution for every sorting center and every application.



OUTBOUND HANDLING

Intralogistics automation for outbound handling ensures optimal preparation of orders for dispatch and that all-important last mile, leading to minimized loading times.

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING



EFFICIENT INBOUND HANDLING

THE BASIS FOR PRODUCTIVITY
INCREASES ALONG THE ENTIRE
INTERNAL LOGISTICS CHAIN.

The foundations for high-performance, high-quality intralogistics are laid at the inbound handling stage. Especially in courier, express and parcel services (CEP) or e-commerce, every minute counts because time is money and the customer is waiting impatiently for their order. Efficient inbound handling is therefore the vital first step to optimizing the entire in-house process chain - postal and parcel centers, fulfillment warehouses or manufacturing operations.

Telescopic conveyors, scissor roller tracks and unloading aids shorten processing times on the loading ramp and are simple to operate. Singulators, tippers or divert units have undisputed advantages when separating items, and even the largest product streams can be split up automatically.

Automated inbound handling using auto ID systems interfaced to BOWE IQ software not only allows error-free data capture for incoming items; it also permits automatic target/actual comparisons as well as rapid onward dispatch to the destination.



UP TO
-30%
TURNAROUND TIME

BENEFIT FROM OUR INBOUND AUTOMATION SOLUTIONS



Simple, quick-to-use
automation
technologies speed up
inbound handling



Auto ID systems enable
secure, fast & fully
automatic data capture



Reducing the strain on
employees & physical
work to a minimum



Transparency &
efficiency from the
first step

FAST AND SECURE UNLOADING

Inbound handling is the crucial first stage that precedes all other internal transport, sorting and picking processes. It is therefore particularly essential that the right solutions are used to unload inbound items, parcels and packets rapidly and securely from trucks. This leaves your employees with more time for tasks that really add value and truck turnaround time can often be reduced by up to 30 percent.

EFFICIENT SINGULATION OF GOODS STREAMS

Singulation involves turning the mass of parcels, containers and polythene bags into an aligned stream that can be fed into a sorter. Automatic singulators can handle a wide range of products and adjust the speed of a parcel stream to the changing requirements of the downstream sorter's infeed units.

CROSS-DOCKING AVOIDS DELIVERY BOTTLENECKS

Well-thought-out cross-docking processes mean items are sent straight to the outbound handling department on arrival. The fast turnaround time does more than just reduce personnel or storage costs to a minimum; it also results in more customer satisfaction. We support you! For example, with BOWE IQ WMS software and auto ID systems such as RFID gates or mobile scanners that automatically capture inbound handling data. Conveyor or sorting systems equipped with reading units forward the goods directly for onward transport.

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND
HANDLING



CONVEYOR
SYSTEMS



PICKING
SYSTEMS



SCALABLE
SORTERS



OUTBOUND
HANDLING



FLEXIBLE CONVEYOR SYSTEMS

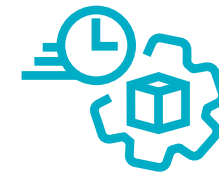
**FOR OPTIMAL PARCEL, GOODS
AND MATERIALS HANDLING.**

In-house transport systems from BOWE INTRALOGISTICS not only keep your operation running; they also raise your productivity and make you more competitive by automating repetitive processes on the same transport track. With the right conveyor solutions, you can transport goods rapidly and securely from inbound handling to the warehouse as well as to the sorter, the picking system or direct to outbound handling. Returns, too, can be efficiently collected and prepared for the next customer as quickly as possible.

Flexible conveyor systems transport cartons, parcels, boxes, pallets, articles or packaged items as well as hanging or flat goods and a multitude of other containers, package types and packaging materials safely and reliably to their destination. From roller or belt conveyors to overhead systems – as a one stop shop for intralogistics automation solutions, we determine the conveyor technology best suited for your logistics center or production facility.

Smart IoT software solutions from BOWE IQ support the transport of your goods and parcels with intelligent, route-optimized control of our conveyor systems. Continuous identification with a barcode or RFID ensures a defined flow of items. Warehouse Management (WMS) & Warehouse Control Systems (WCS) add even more transparency and pave the way to Supply Chain 4.0.

BENEFIT FROM OUR FLEXIBLE CONVEYOR SYSTEMS



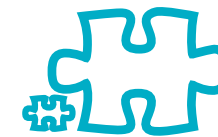
**Higher productivity
through automated
materials handling &
shortened pathways**



**Broad performance
spectrum for flexible
transport applications**



**Simple handling
and low maintenance
requirements**



**Investment security
thanks to
modular design**



THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

**INBOUND
HANDLING**



**CONVEYOR
SYSTEMS**



**PICKING
SYSTEMS**



**SCALABLE
SORTERS**



**OUTBOUND
HANDLING**



THE RIGHT CONVEYOR SYSTEM MATTERS

FLEXIBLE CONVEYOR SYSTEMS FOR OPTIMAL MATERIALS HANDLING.



ROLLER CONVEYORS

Roller conveyors transport items to their destination over a series of steel rollers or act as an alignment track. Their modular design means that our roller conveyors can be easily adapted to a site's specific spatial constraints. Generally speaking, they are driven by means of motorized rollers or drive stations underneath the track.



BELT CONVEYORS

Alternatively, you can use belt conveyors to optimize your operational flow or transport parcels. Belt conveyors can handle bends, too, and even gradients rather than just straight pathways. They are ideal for small, single or differently sized parts that cannot be moved on a roller conveyor.



MERGERS

Different mergers ensure that the items to be sorted are reliably transferred from the feeding channel to the sorter or onto the conveyor belt. Whereas the Strip Merger is suitable for a wide range of products including polybags, the Roller Merger is the solution of choice for feeding cardboard boxes.



SWIVEL WHEEL MODULE

The Swivel Wheel Module is perfect for double-sided sorting. Integrated in a conveyor line, it makes sure that all parcels are correctly aligned.



OVERHEAD CONVEYORS

Overhead conveyor systems convey hanging or flat goods as well as packaged items from A to B along a track system that is suspended from the hall ceiling. The major advantage of suspending the transport system from the ceiling is that usable floor space is freed up for value adding activities.

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING



PICKING SYSTEMS

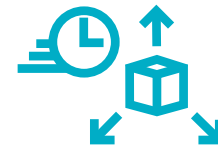
ERROR-FREE, PAPERLESS PICKING AND MATERIALS MARSHALING WITH THE HELP OF MODERN PICKING TECHNOLOGIES.

The current trend is towards small batches, a wide range of items and short lead times. On top of that, customers today are used to fast delivery and this applies every bit as much to online as it does to manufacturing orders.

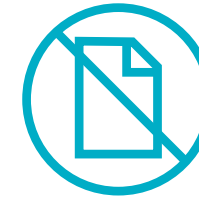
As far as order fulfillment and marshaling of materials are concerned, this means frequently demanding and labor-intensive steps - with corresponding impacts on logistics costs and the rate of errors. Hand-held scanner, light or voice-controlled picking systems from BOWE INTRALOGISTICS help to make manual picking and marshaling of materials simpler and more efficient. Pick-by-Scan, Pick-by-Light or Pick-by-Voice solutions can be quickly and straightforwardly integrated into existing

picking processes. They are easy to understand, ready to use immediately and guarantee increased productivity. Depending on the technology, employees are supplied with picking information via a hand-held terminal, indicator lamps and displays on the storage bin or voice commands. There is no need for lengthy training, picking errors are virtually eliminated and customers receive the right order faster. What's more, our modern picking technologies enable far more efficient batch picking.

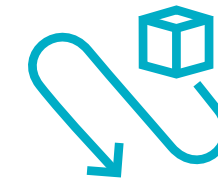
BENEFIT FROM OUR PAPERLESS PICKING SYSTEMS



Increased efficiency & productivity in the picking process



Paperless factory: Sustainable & error-free



Higher pick rates & fast order throughputs thanks to path-optimized strategies for batch picking



Satisfied customers and a lower rate of returns thanks to fast & error-free distribution performance



THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING



PAPERLESS PICKING FOR HAPPY CUSTOMERS



PICK-BY-SCAN

Pick-by-Scan is a proven and relatively low-cost solution for paperless picking as well as unambiguous identification of products or packaged items.

The picking lists are uploaded to the portable data collection terminal and the display shows the picker the storage location and the items to be picked along with the number of those items. As each item is picked, it is scanned by the hand-held device, the total quantity picked confirmed and the system updated accordingly. Not only is this process 100% reliable - it also raises your picking rates to an entirely new level! Picking that is both simple and efficient!

PICK-BY-LIGHT

Pick-by-Light systems allow paperless, light-controlled picking and materials marshaling. The basic principle is smart but simple: instead of having a printed packing or picking list, a display on the storage bin notifies the pickers of the items and the quantity to be picked.

With the Pick-to-Light system, light signals are positioned directly on the storage or removal bin. The digital display informs the picker where and in which quantity the next item should be picked. Once the required number of products has been removed from the storage bin, a button is pressed on the display to confirm that the picking process has been completed.

PUT-TO-LIGHT & PUT WALLS

In the Put-to-Light process, the target bin is fitted with a digital display. A barcode scanner or RFID technology is used to identify the product in question while light signals show the employee which item should be placed in which container.

This technology is primarily used with two-stage picking, when items from pre-picked batches are allocated to individual customers or production orders. This might be in combination with large Put Walls, for instance. The way this works is that pre-picked products are scanned or identified by RFID while light signals on the Put Wall tell the employee which bin the item in question is intended for.

PICK-BY-VOICE

Besides light-controlled picking systems, Pick-by-Voice technologies are also well-established for paperless picking and marshaling of materials. Instead of printed picking lists, the employee receives picking information via a headset and is guided through the picking process by means of voice commands. Feedback and confirmations are likewise verbal.

This allows your employees to move around the warehouse with their hands free for what they are actually meant to be doing, namely picking. Our voice picking systems are multilingual, intuitive to operate and ready to use in no time.

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING





A WHOLE RANGE OF SORTERS

In order to route parcels, orders or vital production materials to the recipients quickly and reliably, sorting centers need flexible and efficient solutions to optimize and automate processes and shorten lead times. Our broad portfolio of sorting solutions helps you do precisely that! Our modular sorting systems open the door to fully automated processing. Their space-saving design and the wide range of possible uses turn these sorting systems into efficient intralogistics solutions at the heart of any modern operation, hub, distribution center or depot, ensuring rapid order processing and fast operational flows. With their enormous capabilities and their use of different sorting technologies, BOWE INTRALOGISTICS sorting solutions provide a gentle and reliable sorting process that is suited for a very broad spectrum of applications and volumes.

This extraordinary processing ability is a major plus point of our sorters along with their scalability. Nothing stops them - not even round, polywrapped or unusually

shaped items and parcels. We also have the perfect sorting technology for hanging or flat goods. A wealth of options means that the systems can be configured very flexibly to offer the right solution for all requirements and location constraints. Our sorters are precisely tailored to meet your specific requirements, because standard designs just don't do the business. A quick ROI rounds off the overall package.

The sorting systems are controlled by our intuitive BOWE IQ sorting software. Intelligently networked, interfaced to a BOWE IQ Warehouse Management (WMS) & Warehouse Control Systems (WCS) and combined with advanced automation and conveying technologies, BOWE INTRALOGISTICS sorters open up totally new possibilities for optimizing your logistics and parcel sorting processes. You too can optimize your processes with an energy efficient sorting system from BOWE INTRALOGISTICS!

EFFICIENT SORTATION

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS

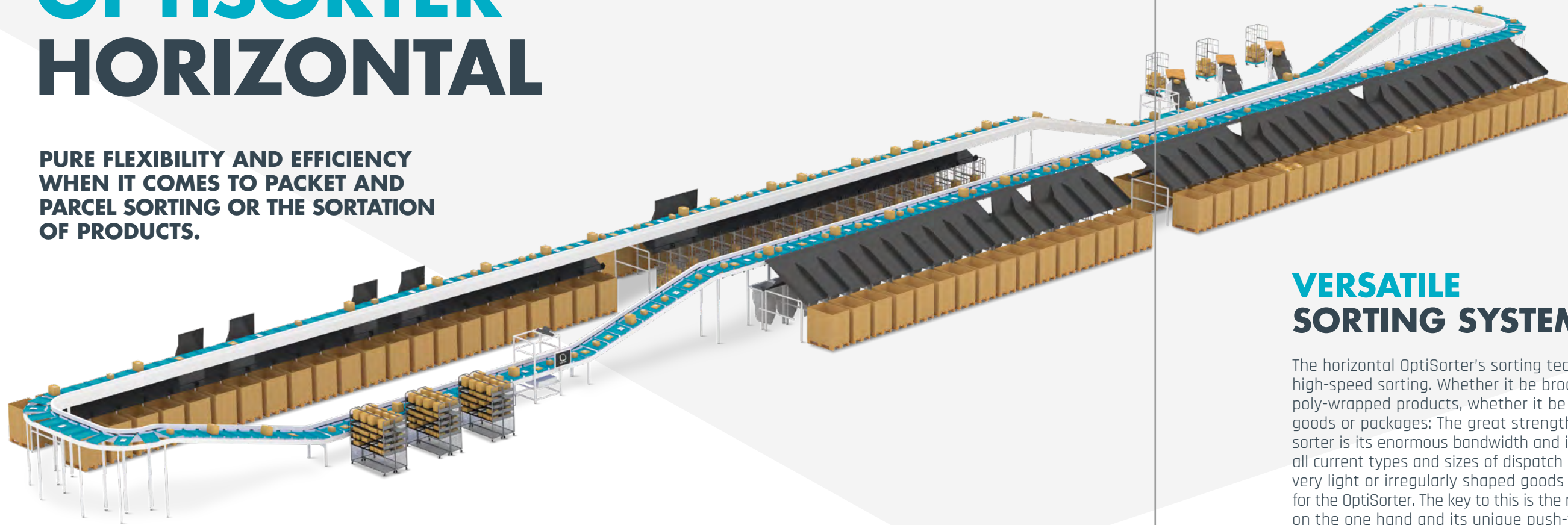


OUTBOUND HANDLING



OPTISORTER HORIZONTAL

**PURE FLEXIBILITY AND EFFICIENCY
WHEN IT COMES TO PACKET AND
PARCEL SORTING OR THE SORTATION
OF PRODUCTS.**



Unique push-tray technology
for gentle handling



High sorting volumes



Sorts a wide variety of items
incl. round goods



Modular, scalable &
flexible design

VERSATILE SORTING SYSTEM

The horizontal OptiSorter's sorting technology provides high-speed sorting. Whether it be brochures, catalogs or poly-wrapped products, whether it be consignments of goods or packages: The great strength of the push-tray sorter is its enormous bandwidth and its ability to sort all current types and sizes of dispatch goods. Even round, very light or irregularly shaped goods pose no problem for the OptiSorter. The key to this is the relatively low speed on the one hand and its unique push-tray technology on the other hand - protecting round or light items from falls. At the same time, the OptiSorter Horizontal can also handle very heavy items up to 31.5 kg, which further extends its bandwidth. You will be able to sort a wide variety of items, from small to large, light to heavy, whatever their shape or packaging and to do so with just a single system. The versatility of the horizontal sorter makes it the ideal solution not just for parcel and packet sorting but also makes it the outstanding choice for all logistical applications in e-commerce, wholesale and retail or warehouse management.

TECHNICAL DATA

| | |
|--------------------|----------------------------------|
| Product dimensions | 50 x 50 x 1 - 800 x 600 x 600 mm |
| Max. item weight | 31.5 kg |
| Max. performance | 18,000 items/h 1.2 m/s |
| Reading technology | BCR & OCR |
| Modularity | Modular design |



**THE RIGHT
AUTOMATION
SOLUTION
FOR EVERY
PROCESS**

**INBOUND
HANDLING**



**CONVEYOR
SYSTEMS**



**PICKING
SYSTEMS**



**SCALABLE
SORTERS**

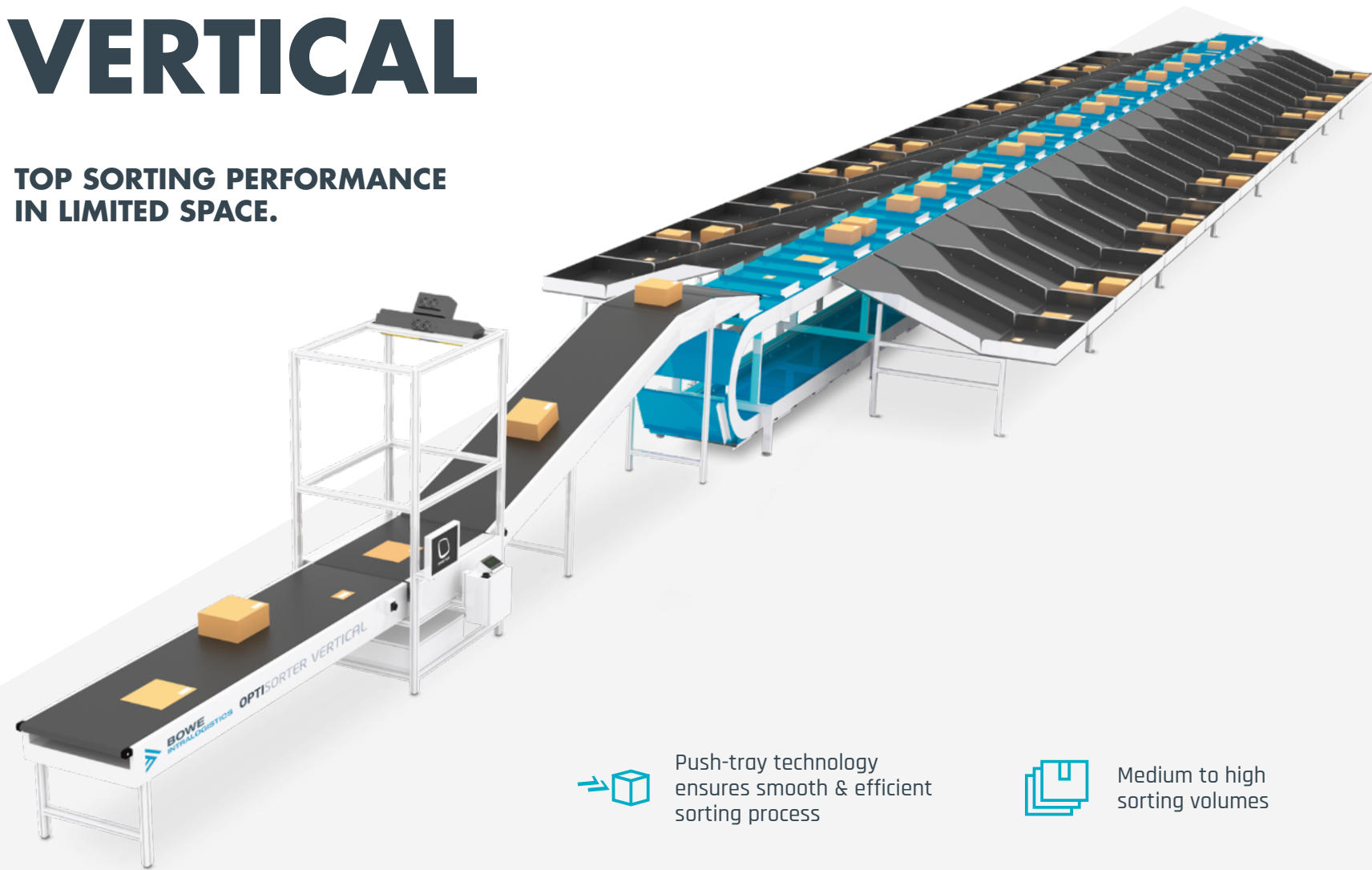



**OUTBOUND
HANDLING**





OPTISORTER VERTICAL

TOP SORTING PERFORMANCE IN LIMITED SPACE.



 Push-tray technology ensures smooth & efficient sorting process

 Medium to high sorting volumes

 Sorts a wide variety of items incl. round goods

 Compact configuration

THE SPACE-SAVING SORTING SOLUTION

The OptiSorter Vertical was designed as a space-saving solution for anyone who is unwilling to compromise on performance even though only limited space is available. Despite its small footprint, the vertical sorter comes with all the capabilities of a flexible, high-performance sorting system.

The OptiSorter Horizontal's "little sibling" has no problem processing not just parcels, packets and flats weighing up to 15 kg - with output on both sides! Even very small, lightweight, round or irregular mail pieces - which will inevitably increase as more and more items are

dispatched - are child's play for our vertical sorter. You can also integrate a whole host of functions into the OptiSorter Vertical in order to further optimize internal processes such as OCR reading or barcode scanning, weighing, volume measurement or labeling - in line with Industry 4.0. Advanced automation solutions such as conveyor technology additionally support this strategy - once again, our intralogistics portfolio includes the right solution for you.

TECHNICAL DATA

| | |
|--------------------|----------------------------------|
| Product dimensions | 50 x 50 x 1 - 800 x 600 x 600 mm |
| Max. item weight | 15 kg |
| Max. performance | 12,500 items/h 1.2 m/s |
| Reading technology | BCR & OCR |
| Modularity | Double-sided sorting |



THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS

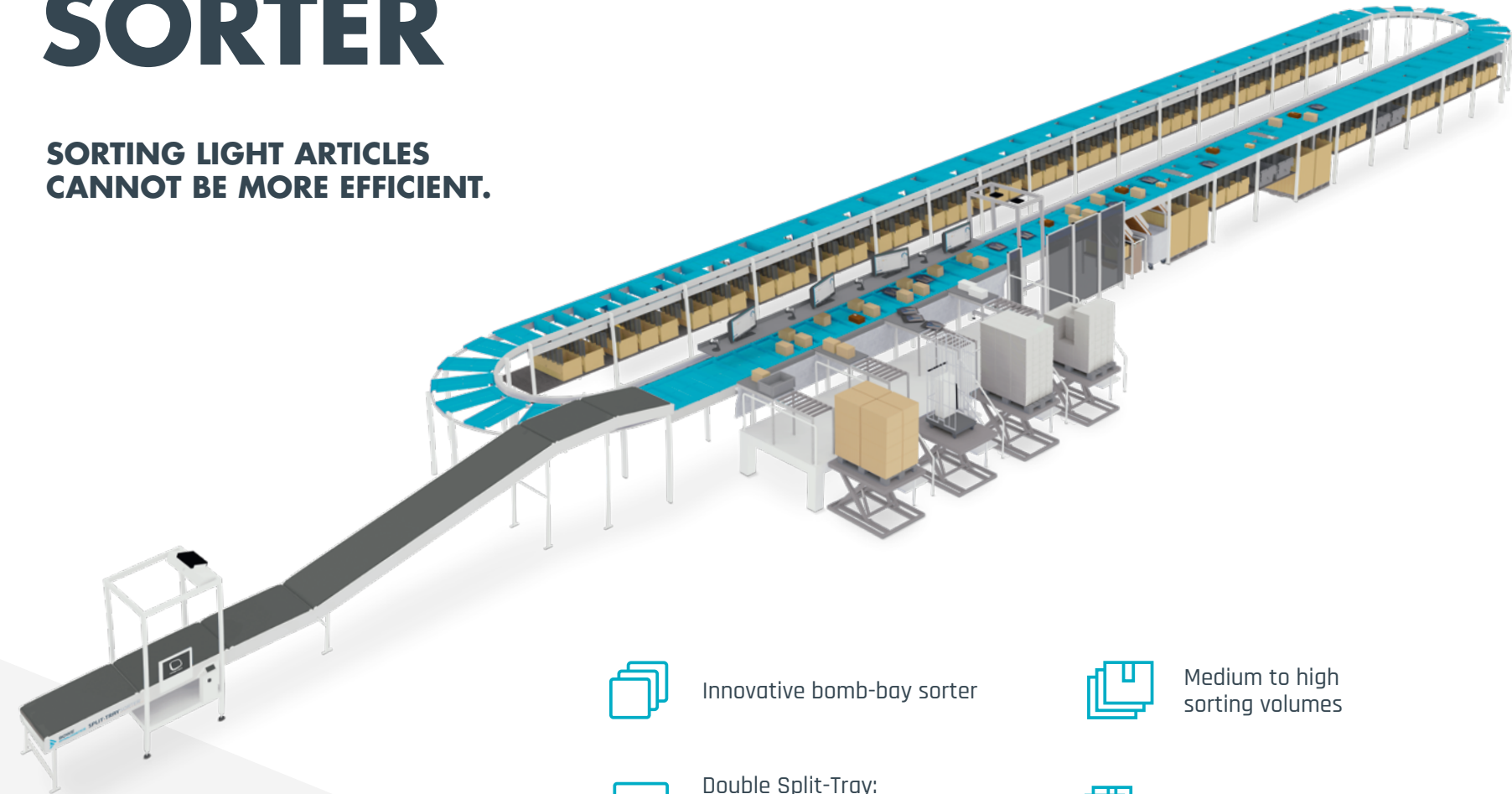


OUTBOUND HANDLING



SPLIT-TRAY SORTER & DOUBLE SPLIT-TRAY SORTER

SORTING LIGHT ARTICLES CANNOT BE MORE EFFICIENT.



Innovative bomb-bay sorter



Double Split-Tray:
Double throughput with no need for additional space



Medium to high sorting volumes



Ideal for light items

DO YOU NEED TO SORT LIGHT ITEMS & IN THE MINIMUM OF SPACE?

You can do just that with the BOWE INTRALOGISTICS Split-Tray Sorter and Double Split-Tray Sorter! The BOWE sorting system is specifically designed to sort light items weighing up to 5 kilograms (Single Split-Tray) or 10 kilograms respectively (Double Split-Tray). These sorting systems – also known as bomb-bay sorters – have a trap door through which the items are dropped flat into the shipping container. The BOWE Split-Tray Sorter really comes into its own in e-commerce, omni-channel, retail fulfillment, postal & CEP or pharmaceuticals.

Its specially shaped trays allow this innovative sorter to handle not only all the usual standards but also products such as flat or individual items, small packages, garments, books, pharmaceuticals, polybags, multimedia items or jewelry. Even irregularly shaped or round items can be easily processed – at speeds of up to 8,000 items per hour in the case of the Single Split-Tray version. For higher volumes there is the Double Split-Tray Sorter with two compartments per tray. Twice the number of compartments means twice the throughput, with up to 16,000 items per hour, even though the overall size of the sorting system remains the same.

TECHNICAL DATA

| | |
|--------------------|--|
| Product dimensions | Single: 50 x 50 x 1 – 600 x 400 x 250 mm Double: 50 x 50 x 1 – 800 x 400 x 250 mm |
| Max. item weight | Single: 5 kg Double: 10 kg |
| Max. performance | 8,000 or 16,000 items/h 1.0 m/s |
| Reading technology | BCR & OCR |
| Modularity | Modular design |

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS

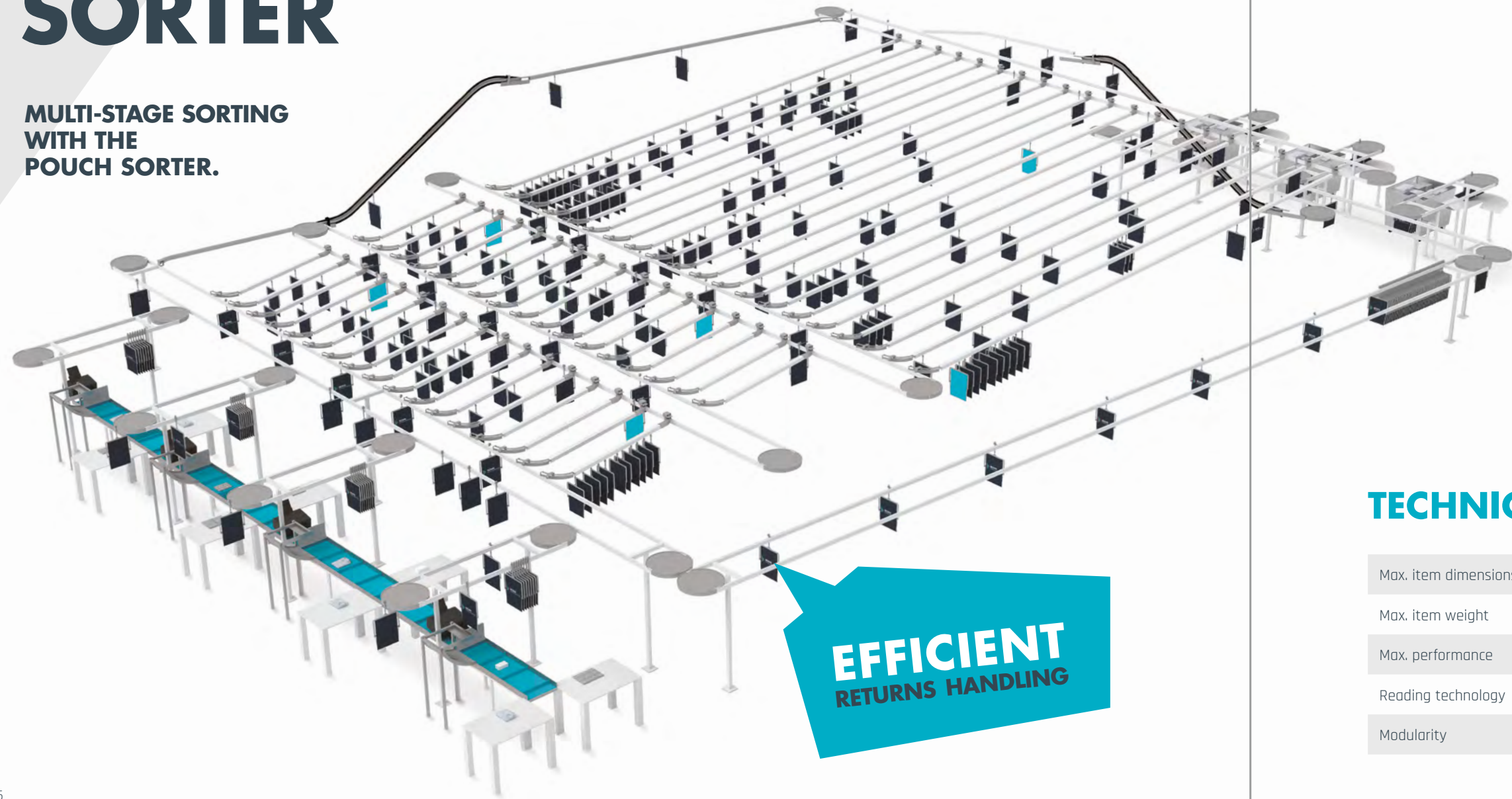


OUTBOUND HANDLING



POUCH SORTER

MULTI-STAGE SORTING WITH THE POUCH SORTER.





EFFICIENT RETURNS HANDLING


E-COMMERCE & OMNI-CHANNEL MADE EASY

The Pouch Sorter features a flexible and efficient overhead conveyor system that allows different sales channels to be handled in parallel. A single bag sorter is able to transport, sort, buffer or sequence hanging garments and flat products, individual items and sensitive goods weighing up to 2.5 kg as well as small boxes weighing up to 10 kg. Installation beneath the ceiling frees up valuable floor space.

The pocket sorter can sort up to 7,200 items per hour per sorter block and in combination with our innovative BCR & RFID technology and our high-performance Warehouse Management System (WMS), one Pouch Sorter system can handle both e-commerce and retail orders in any desired combination and in the required sequence. The dynamic buffer allows returned items that are suitable for re-sale to be temporarily "parked" until they are needed to fulfill a new order. Items in high demand thus no longer need to be returned to storage.

 Space-saving overhead conveyor system

 Multi-stage sorting & sequencing

 Ideal for high volumes & e-commerce applications

 Efficient returns handling

TECHNICAL DATA

| | |
|----------------------|---|
| Max. item dimensions | 400 x 550 x 150 mm |
| Max. item weight | Items up to 2.5kg Parcels up to 10 kg |
| Max. performance | 7,200 items/h per sorter block |
| Reading technology | BCR & RFID |
| Modularity | Scalable design |

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS




OUTBOUND HANDLING





SWIVEL WHEEL SORTER


FLEXIBLE POWERHOUSE.



 Flexible sorting technology enables sorted items to be turned smoothly through 180°

 Sorts a wide variety of items incl. heavy goods up to 40 kg

 Medium sorting volumes

 Quick installation & easy maintenance

TECHNICAL DATA

| | |
|--------------------|--------------------------------------|
| Product dimensions | 150 x 100 x 5 – 1,000 x 800 x 800 mm |
| Max. item weight | 40 kg |
| Max. performance | 6,000 items/h 2.0 m/s |
| Reading technology | BCR & OCR |
| Modularity | Scalable design |

LARGE, HEAVY GOODS ARE ITS SPECIALTY

The Swivel Wheel Sorter provides a lot of performance in a very small space. It sorts a wide variety of items but scores particularly with its ability to flexibly handle very large and heavy products up to one meter in length and weighing up to 40 kg. With a maximum capacity of up to 6,000 items per hour, the Swivel Wheel Sorter is ideal for medium sortation volumes in the CEP business and e-commerce as well as in the manufacturing industry.

The design of this modular line sorter is as practical as it is efficient, consisting of belt and roller conveyor modules ingeniously arranged for quick installation and easy maintenance. Downtime is reduced to a minimum. The flexible, individually controllable swivel wheels direct the items to be sorted smoothly in the desired direction at any angle between 0° and 180° - perfect for double-sided sorting or for making sure that parcels are correctly aligned.



THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING



PUSHER SORTER

**EFFICIENT SORTING
ALL DOWN THE LINE.**



Efficient pusher technology



Ideal for small sorting volumes, small & medium-sized items



Easy installation & servicing

m²

Small space requirements thanks to linear design

COST-EFFECTIVE SORTER ON THE MINIMUM OF SPACE

The BOWE INTRALOGISTICS Pusher Sorter is suitable for anywhere where sorting needs to be handled reliably in the minimum of space. The operating principle of the Pusher Sorter is as simple as it is efficient. Items for sorting are placed on a longitudinal conveyor belt and transported past a series of transverse pushers that directly push the item off the belt onto conveyors which finally lead the goods to the target destination.

The BOWE Pusher Sorter is ideal for small and medium-sized items weighing up to 15 kilograms and it can routinely handle parcels, cartons, boxes and other containers as well as polywrapped items. It can also

cope with international goods packaged in non-standard ways, sorting them gently and reliably, and dealing with up to 5,000 items per hour.

Primarily suited to low and medium sorting volumes, its performance makes it one of the fastest sorters in its class. Despite its compact configuration, this Pusher Sorter has the capability to deal with every sorting and distribution center requirement. Don't take our word for it, see for yourself.

TECHNICAL DATA

| | |
|--------------------|-------------------------------------|
| Product dimensions | 150 x 100 x 10 – 600 x 400 x 400 mm |
| Max. item weight | 15 kg |
| Max. performance | 5,000 items/h 1.0 m/s |
| Reading technology | BCR & OCR |
| Modularity | Scalable design |



THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS




OUTBOUND HANDLING





POP-UP SORTER


QUICK INSTALLATION,
QUICK ROI.



 Flexible, double-sided sorting

 Versatile sorting system

 Ideal for low to medium sorting volumes

 Quick installation & easy maintenance

WELL INVESTED

The Pop-Up Sorter is the perfect choice whenever a variety of goods of different sizes and with different characteristics needs to be flexibly sorted in the low to medium performance range.

Conveyor belts arranged in line transport individual items, polybags, packets, parcels or filled containers via the sorter. When the items to be sorted reach their output destination, rollers rise up between the conveyor belts, lifting these items and flexibly diverting them into the correct chute on the left or right. This sorter is particularly advantageous in the e-commerce or parcel sorting business. This is because, in addition to its ability to sort a wide variety of items and handle very large mail pieces weighing up to 40 kg, it also scores with excellent investment security and quick ROI.

True to its name, the Pop-Up Sorter is easy to install and hence ready to use without delay. Simple operation and maintenance round off the overall package. Due to its linear design, it requires little space and can be flexibly adapted to the situation on site. And if the conditions in your sorting center change, retrofits at a later date are likewise no problem.

TECHNICAL DATA

| | |
|--------------------|--------------------------------------|
| Product dimensions | 150 x 100 x 5 - 1,200 x 800 x 800 mm |
| Max. item weight | 40 kg |
| Max. performance | 4,500 items/h 2.0 m/s |
| Reading technology | BCR & OCR |
| Modularity | Modular design |

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND
HANDLING



CONVEYOR
SYSTEMS



PICKING
SYSTEMS



SCALABLE
SORTERS

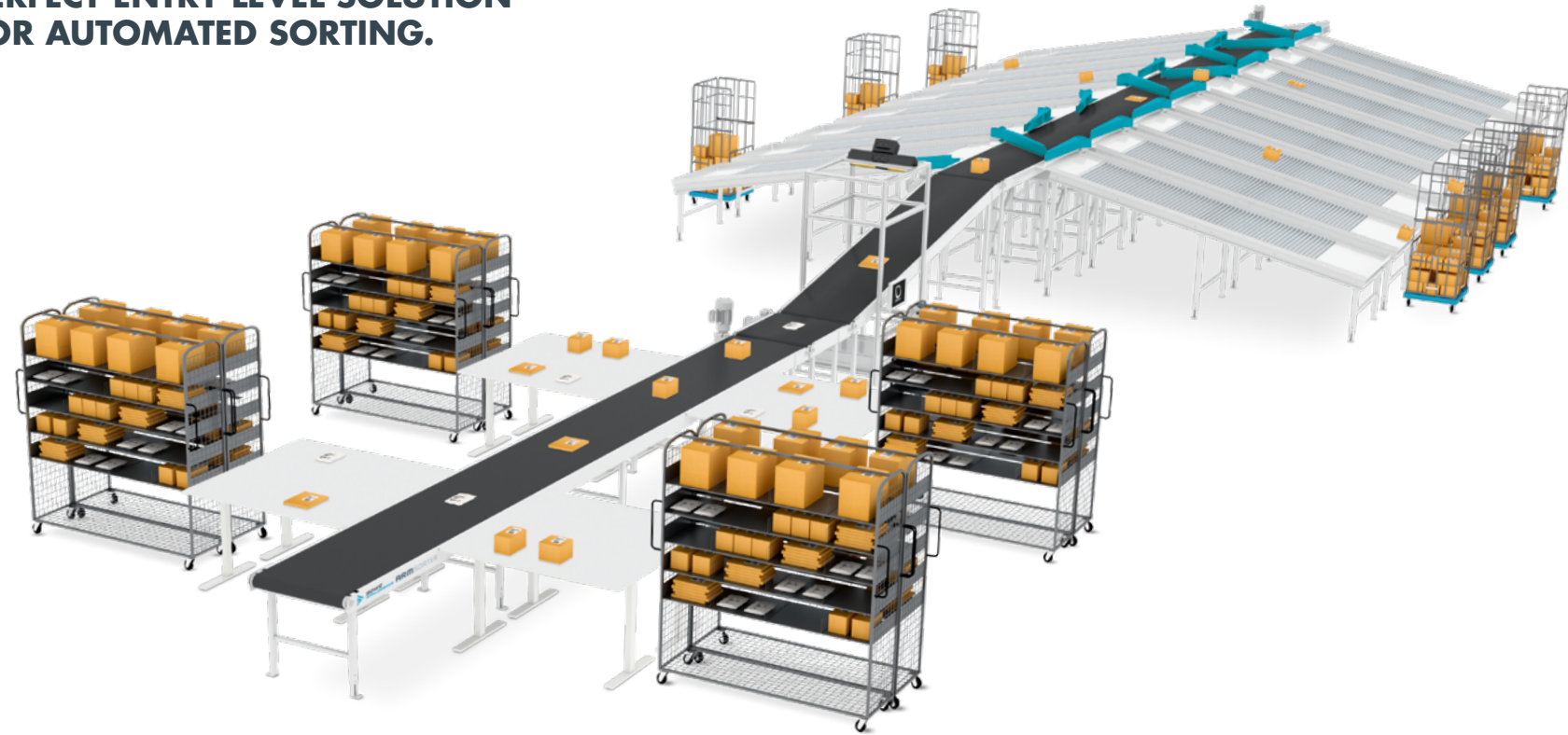


OUTBOUND
HANDLING



ARM SORTER

PERFECT ENTRY-LEVEL SOLUTION FOR AUTOMATED SORTING.



Simple, but efficient sorting technology



Perfect entry-level solution



Fast installation, easy servicing & low maintenance requirements



Ideal for small sorting volumes

TECHNICAL DATA

| | |
|--------------------|-------------------------------------|
| Product dimensions | 150 x 100 x 10 - 900 x 700 x 700 mm |
| Max. item weight | 20 kg |
| Max. performance | 2,500 items/h 1.0 m/s |
| Reading technology | BCR & OCR |
| Modularity | Scalable design |

STANDARD FORMATS ARE THE ARM SORTER'S SPECIALTY

The Arm Sorter is one of the most cost-effective sorting solutions on the market. Capable of speeds of up to 2,500 items per hour, it is ideal for parcel sorting and logistics centers processing smaller volumes. Its unbeatable price-performance ratio and modular design make the Arm Sorter the perfect solution for smaller depots or hubs.

Compact in size, it is able to fit into even the smallest sorting and distribution center or warehouse while offering straightforward upgrade options that can be implemented at any point as mailing volumes grow. Packets are its specialty - small, medium and also very

large parcels in standard formats up to 20 kg in weight. What's more, the Arm Sorter even transports comparatively sensitive items like wine bottles in cartons gently and reliably to their destination.

Concentrating on the essentials, the Arm Sorter's simple configuration brings with it a number of advantages such as quick installation and commissioning, simple operation and easy servicing.

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OUTBOUND HANDLING





OUTBOUND HANDLING

PREPARE YOUR ORDERS OPTIMALLY FOR DISPATCH AND THE LAST MILE, AND THEN LOAD THE TRUCK RAPIDLY.

Seamless outbound handling is crucial for the efficiency of the entire material flow. It is here that all streams converge. BOWE INTRALOGISTICS output and diverting solutions sort your items and parcels gently and precisely, for example by destination or delivery service, and prepare them for onward dispatch. Individually designed single, double or flipper chutes ensure that all items leave the sorter in perfect condition.

Regardless of whether these items are then loaded directly onto a truck, cage trolley or pallet or placed on a conveyor for onward transport, we're experts when it comes to optimizing your outbound handling!

BENEFIT FROM OUR OUTBOUND AUTOMATION SOLUTIONS



Quick-to-use automation technologies accelerate the loading process



RFID portals allow automatic tracking of pallets & ensure correct loading



Smooths the way to faster delivery over the last mile



Reduces the strain on employees & enables a more ergonomic workplace design



OUTBOUND HANDLING INTELLIGENTLY IMPLEMENTED

Our outbound handling solutions are ideally complemented by smart IoT software solutions from BOWE IQ, our software division. Warehouse Management (WMS) & Warehouse Control Systems (WCS) provide maximum transparency throughout the internal process and beyond. Shipping and consignment labels are produced to allow goods to be tracked after they leave the warehouse.

Add-on auto ID technologies, such as RFID portals, can track pallets automatically all the way to the truck and thus ensure correct loading. BOWE IQ solutions for the "last mile" guarantee seamless, real-time tracking and traceability every step of the way to the final destination.

THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

INBOUND HANDLING



CONVEYOR SYSTEMS



PICKING SYSTEMS



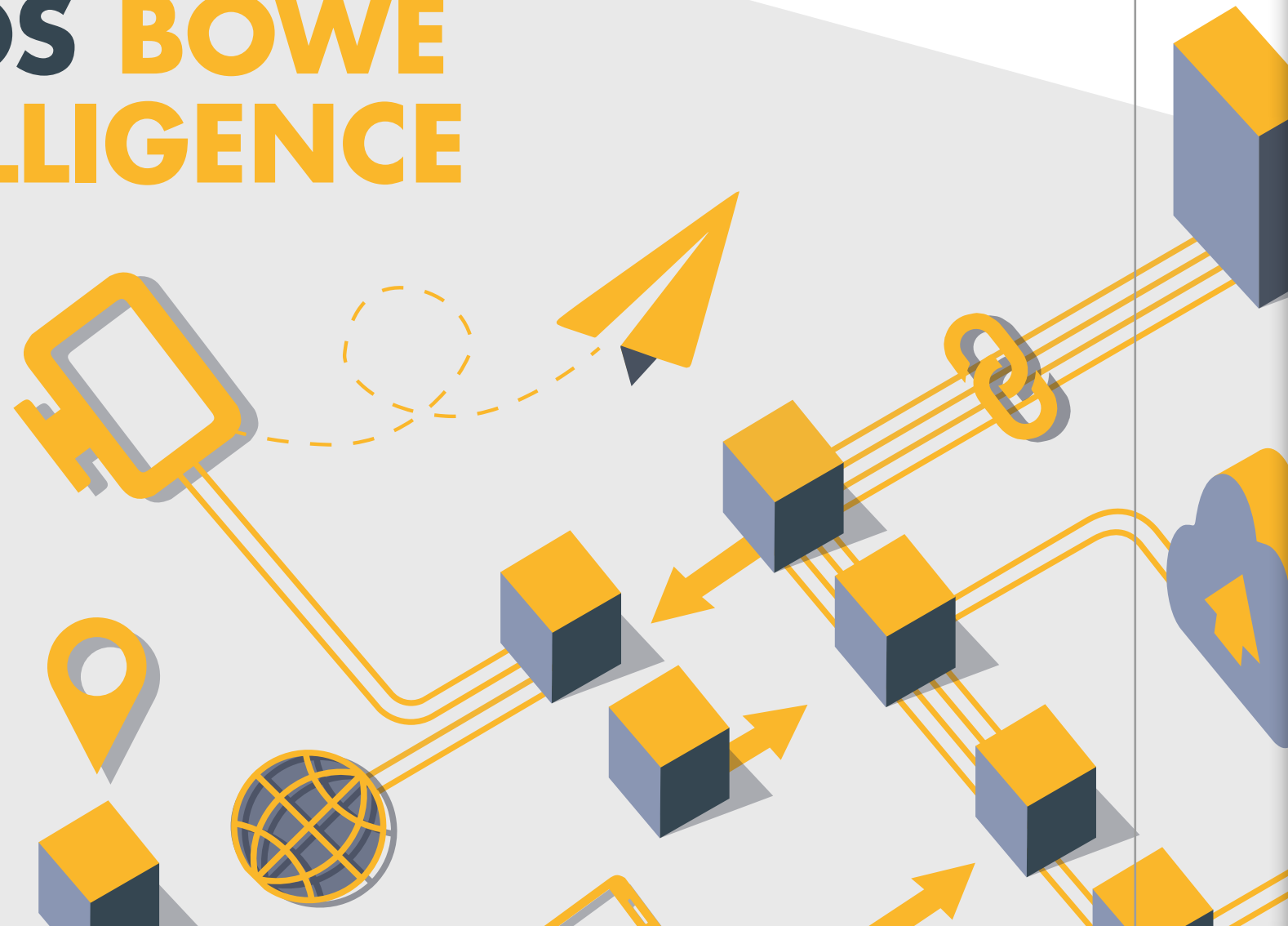
SCALABLE SORTERS



OUTBOUND HANDLING



YOUR WAREHOUSE NEEDS **BOWE INTELLIGENCE**



SMART IOT SOLUTIONS FROM BOWE IQ

Digital transformation, Internet of Things, Industry 4.0, smart factory, Supply Chain 4.0, cloud computing - trends like these are rapidly changing society and the economy and turning familiar business processes upside down. However, as more and more new possibilities are created, the pressure on companies to keep pace with these developments is likewise increasing. How can they stay successful? With smart software from BOWE IQ! Software that makes your operation faster, more flexible, more accurate and more efficient. Software that automates, orchestrates and intelligently networks plants and processes, perfects human-machine interaction and lets you act with foresight. Individually tailored to your industry, your needs and your processes. And always with the goal of making complex things simpler.

From system control through warehouse management systems or integration software to track & trace solutions, BOWE IQ develops flexible, end-to-end software solutions covering the whole of the in-house value chain and beyond. We are a recognized first, second and third tier supplier in numerous industries. In combination with advanced auto ID products such as barcode, RFID, voice or sensor technologies, you can take your supply chain performance to a whole new level.



READ MORE ONLINE ABOUT OUR **BOWE IQ** SOFTWARE DIVISION



THE RIGHT AUTOMATION SOLUTION FOR EVERY PROCESS

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CONVEYOR SYSTEMS



PICKING SYSTEMS



SCALABLE SORTERS



OUTBOUND HANDLING



WE CREATE DIGITAL & EFFICIENT INFRASTRUCTURES

Only companies that deliver at the right time, in the right place and in the right quality can satisfy their customers' expectations. With BOWE as your partner, you can score twice here: when teamed up with our industry-leading BOWE IQ software, our systems become a fully automated solution for your intralogistics. They control and monitor every step of the process, unlock potential for optimization and open up seamless real-time tracking of each individual item using barcode, RFID or voice-assisted technologies. From inbound handling through quality assurance, storage, transfer and production to dispatch and beyond.

MASTERING COMPLEX PROCESSES

All BOWE IoT software solutions share a common goal: to make complex and demanding tasks simpler and more efficient. Always with a view to providing a positive user experience in the form of intuitive usability and security.

Software experts BOWE IQ offer a portfolio extending from flexible machine control for BOWE systems through Manufacturing Execution Systems (MES) for production departments and track & trace solutions - including applications for asset management or the last mile - to integration solutions as well as Warehouse Management (WMS) & Warehouse Control Systems (WCS).

Increase your productivity, efficiency, security and system performance and raise your entire in-house value chain to an entirely new level. With smart IoT technologies from BOWE IQ.

WAREHOUSE MANAGEMENT & WAREHOUSE CONTROL SYSTEMS

Warehouse Management & Warehouse Control Systems from BOWE IQ are enterprise-level, high performance, networkable software automation solutions that manage and control virtually any warehouse efficiently whatever its size.

Compared to an analog system, you can save up to 20% in storage costs - not even counting the lower return costs and the higher working speed. Warehouse Management (WMS) & Warehouse Control Systems (WCS) made to measure for your industry create transparency and optimal processes in your logistics chain, whether individually or preconfigured, installed on site or cloud-based.



**MORE ABOUT
OUR WMS & WCS
SOLUTIONS**

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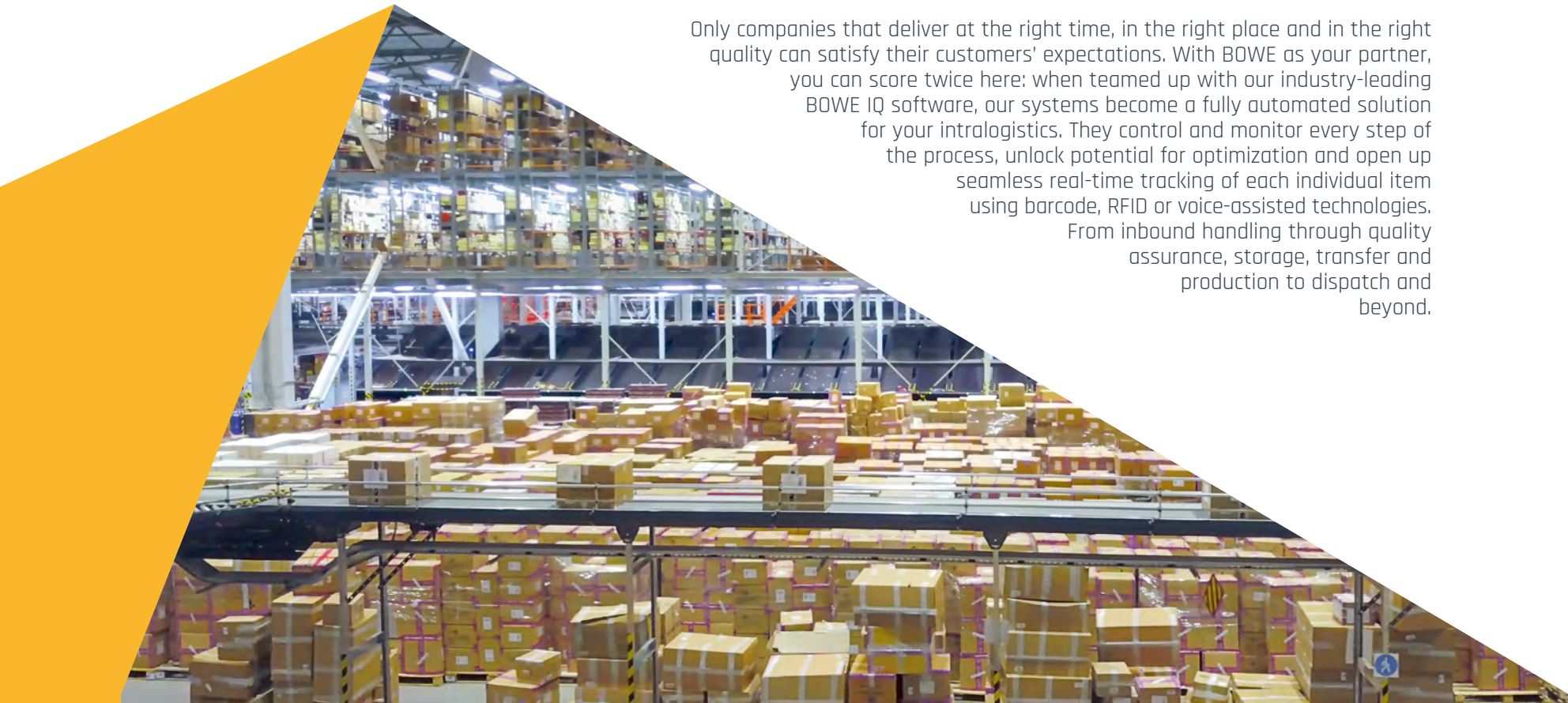
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**MORE INFO
ON BOWE IQ
SOFTWARE**



INTUITIVE SORTING SYSTEM CONTROL

BOWE IQ control software ensures that our sorting systems are intuitive to operate and simple to make ready. Complex system programming becomes a thing of the past and customized sorting runs can be prepared within a matter of minutes.

Thanks to this intuitive usability, the software reduces training needs, downtime and errors to a minimum, meaning that your systems are deployed more efficiently. The fact that all systems can be networked with each other unlocks the possibility of further measurable productivity increases. Processes can be monitored and optimized across systems and sites, and bottlenecks identified and eliminated. Database-controlled production additionally means that you don't miss a thing while

seamless item tracking throughout the sorting process guarantees absolute integrity and traceability. The integration of various components for data determination and coding - for instance, barcode or OCR reading, weighing or dimensioning, labelers or printers - guarantees excellent investment security.

Additional features such as automatic, postage optimized selection of the CEP service provider or walk sequencing along the mail carrier's route improve your processes still further and save your employees an enormous amount of time in their daily work. What's more, interfacing to a higher-level ERP or Warehouse Management System (WMS) opens up entirely new opportunities for automation and efficiency improvements in your sorting center.

✓ **DEFINITION OF
INDIVIDUAL SORTING
SCHEMES**

✓ **INTERFACING TO A
HIGHER-LEVEL
ERP SYSTEM**

✓ **DYNAMIC
CUSTOMER SWITCHING**

✓ **DYNAMIC
PRINTING & LABELING**

✓ **SEAMLESS MAIL PIECE
TRACKING INCL. STORED
IMAGE AS PROOF**

✓ **AUTOMATED SORTING
BY CHEAPEST CEP
SERVICE PROVIDER**

✓ **WALK SEQUENCING
ALONG MAIL CARRIER'S
ROUTE**

✓ **FILTERING OUT OF
REDIRECTED MAIL**

✓ **AUTOMATED SORTING
OF RETURNS**

✓ **DYNAMIC PRINT
LAYOUT, E.G. ACC. TO
FORMAT, DESTINATION,
WEIGHT, ETC.**

✓ **BYPASSING OF
SPECIAL ITEMS**

WE HELP YOU SAVE TIME & MAILING COSTS

It's difficult to keep on top of the mail delivery price jungle, so it's just as well that our systems save you the trouble and during the sorting run automatically select the best and cheapest mail service provider for every individual item on the basis of address data, weight and dimensions as well as the time stamp.

In the sorting scheme, the mail pieces are then sorted fully automatically into the appropriate output and diverting module of the selected parcel service. That brings with it the added benefit that franking is no longer necessary, since the relevant billing data is simultaneously calculated for the customer to be invoiced individually.

Some of the features listed are optional.

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24/7

BY YOUR SIDE WORLDWIDE

BOWE INTRALOGISTICS installations around the world are supported with premium services. A dense sales & service network with BOWE GROUP subsidiaries in some 20 countries and over 50 general distributors ensures the shortest possible response times.

We don't just restrict ourselves to preventive maintenance or urgent troubleshooting - service at BOWE INTRALOGISTICS begins with competent advice regarding the design and planning of your system configuration. As you rightly expect from a full service provider, our experienced intralogistics experts accompany your entire project from the initial idea to successful implementation - and beyond that with perfect service continuing through the system's entire life.



**FIND YOUR LOCAL
BOWE CONTACT
IN YOUR COUNTRY**

trumedia.de 2022

LEGAL NOTICE

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VAT Reg. No. in accordance with section 27 a
Value Added Tax Law: DE 274185634

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THE WHOLE WORLD OF INTRALOGISTICS FROM A SINGLE SOURCE

From planning to implementation
and beyond. We support you!
Any time, any place, at any stage
of your project.

Benefit from our expert advice
and customized warehousing
solutions.



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