

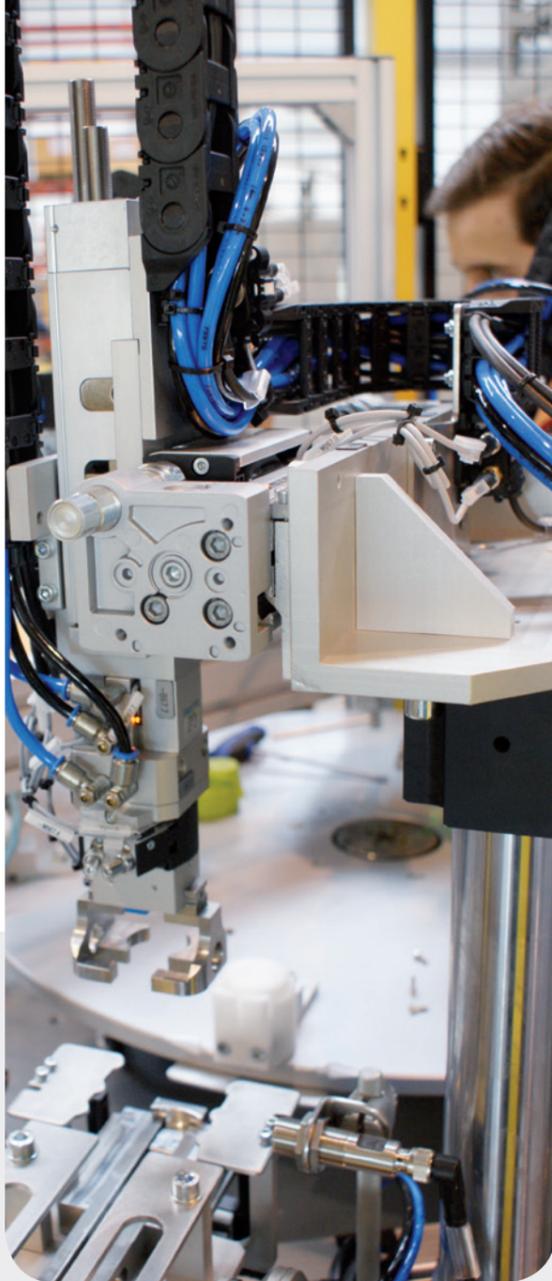
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**SEPERATING&FEEDING**  
**CONVEYING&LINKING**  
**ROBOTICS&HANDLING**  
**TESTING&CLASSIFYING**

We streamline your material flow





## LONG TERM EXPERIENCE

With over 30 years' experience in factory automation we can count ourselves as one of the pioneers in automation technology. The many years of experience possessed by our staff, the constant refinement of our technologies and services together with the willingness to break new ground form the pillars of our corporate philosophy.

With FlexLink® as a strategic partner we have been able to further extend our leading position and our range of innovative and modular automation and material flow solutions and place it on an even broader footing.

As a wholly-owned subsidiary of the IMR TECHNOLOGY GROUP, a holding company with annual Group revenues of over 180 million euros and further investments in the development of industrial, communications and ERP software modules and the production of metal powders, for the Factory Automation Division too the conditions for long-term growth and continuity are assured.

Aided by its staff, the owner family – RIMMER – has successfully managed and developed the group of companies for 30 years. The family sees it as its fundamental task to foster a sense of responsibility and quality consciousness in all its staff within the framework of EN ISO 9001 2008/2015, to design structures and processes in line with market needs and to create the necessary underlying conditions to enable this to continue.

**IMR** TECHNOLOGY  
GROUP GmbH

**IMR** METAL POWDER  
TECHNOLOGIES GmbH

**IMR** METALL-  
VERARBEITUNGS GmbH

**IMR** ROHSTOFF-  
HANDEL GmbH

**IMR** FABRIK-  
AUTOMATION GmbH

**EED** AUTOMATION GMBH

**OROUND** MOBILE GmbH



## WE STRAMLINE YOUR MATERIAL FLOW

With our standard modules, which we supplement with customer-specific developments and software solutions if required, we offer our customers system solutions that are perfectly suited to one another, directly and from one place. That way, we reduce the coordination work and improve the user-friendliness and the availability of your manufacturing plant and thereby increase the profitability of your plant investment.

**From first idea to turn key system solution.** As a specialist in the automation of production processes, we see ourselves as an active designer, developer and partner of our customers when it is necessary to design material flows in production to be more efficient, reduce throughput times and offload employees.

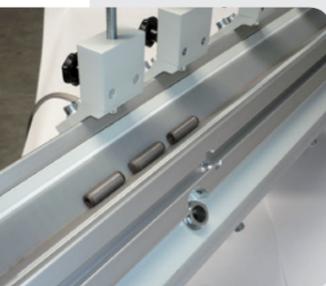
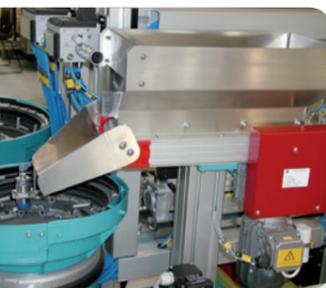
**IMR** FABRIK-  
AUTOMATION GmbH  
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# SEPARATING & FEEDING

Production or packaging parts are often supplied by sub-suppliers as bulk material and usually have to be separated for the subsequent production process and put in the proper position.

From many years of experience in the automation of manufacturing processes, we have developed a manifold assortment of modular standard devices for sorting and feeding mass-produced parts.

That way you only have one contact person for careful and magnet-free emptying of containers and boxes, continuing with pre-batching and feeding of the parts to the sorting device, right up to the handover of the parts in the right location and position to the downstream production process - that saves time, mistakes and costs.



## Stage conveyors

The modular solution for careful sorting and feeding with high performance – can even be used economically in small batch production with complex workpiece geometries.



## Elevator

Suitable for sorting and feeding simple to complex mass-produced parts. Besides the standard design with an overhead outlet, it is also optionally available with a left or right outlet.



## Rotating disc conveyors

Sorting and feeding of mainly rotationally symmetric work pieces such as, for example, washers, rings, pins and bolts with a feeding capacity of up to 40 m/min. Also available with a striker unit in the rotation conveyor version.



## Feed unit with stacking magazine

Stacking magazines are mainly used for automatic feeding of rod material. The workpieces are output individually. The subsequent workpiece transport can be configured any way.



## Container emptying devices

Standard components and systems for automated and parts-safe emptying of small load carrier containers, bins and transport boxes.



# CONVEYING & LINKING

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## Packaged goods transport

Chain conveyors and belt conveyors in an aluminium or stainless steel design for transporting individual products, packages or transport packaging. Chain and belt widths up to 1500mm, transport speeds up to 120 m/min. Extensive range of accessories and assortment of guides and belt supports, track widths can be set automatically on request.



## Workpiece carrier transport systems

Single and multiple track conveyor systems with switches, transfer and lifting stations for transporting workpieces and sensitive packaging onto product carriers. Carrier sizes from 50x50 up to 640x640 (mm) - if need be, all product carriers are available with intelligent information technologies such as RFID, for example.



## Up & Down transport

System solutions for the realisation of passageways near to difficult to access production machines or for the transport of products and packaging over multiple storeys. Available standard systems: elevators and wedge conveyors, spiral conveyors, lifting stations and floor paternosters.



## Distribute & Combine

Pneumatic or NC-controlled switching and merging modules for distributing, combining and picking products within semi-automatic or completely automatic production lines. Throughput capacities up to 400 product units / min.



## Buffer & Store

Line and table buffers to bridge short-term production interruptions and to increase system autonomy. All buffer systems are also available in dynamically controlled and zero pressure designs for sensitive and geometrically complex products.



For more details regarding separating&feeding click.



For more details regarding conveying&linking click.

# ROBOTICS & HANDLING

The Pick & Place function is where a simple linear system or robot moves production parts, individual products or collective packaging or from one place to another. For example, this could mean from one conveyor system to a downstream production stage, or at the end of a production line from a conveyor system to collective packaging or a Euro pallet.

Using standard individual modules, we offer our customers a broad range of system solutions. The applications range from handling small and light products in a production environment up to palletising individual packages or putting cover boxes on pallets in the packaging area. In the process, the automated helper is often guided by an image processing system.

Besides classical pneumatic or NC-controlled linear systems from our own production, we also integrate standard robot systems available in the market from well-known manufacturers.



## Pick & Place

Pneumatic or NC-controlled linear axis systems and special constructions for passing production parts from a conveyor belt or workpiece carrier to the downstream production stage.



## Palettize

Palettizing is placing and securing bulk goods and containers accurately positioned on pallets. Typical applications can be stacking of individual parts, plastic bottles, cardboard boxes, etc.



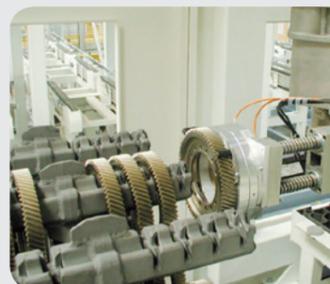
## Manufacturing

modular and standardised robot cells for the automated handling of raw parts and semi-finished parts in the processing machine environment.



## Protective enclosures & safety

Standard components and system solutions for the installation of machine enclosures and facilities for work safety.

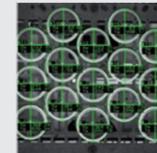
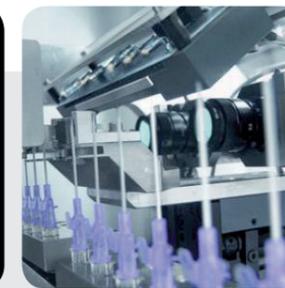
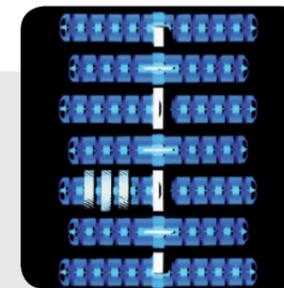


# TESTING & CLASSIFYING

We see our strength in system solutions that go beyond materials handling and are exactly customised for our customers' requirements. Simply taking an isolated look at materials handling technology is becoming a dead end more and more. For example, rising demands on the quality of the products is increasingly requiring 100% testing in the production process.

We at IMR have tackled these challenges and are integrating the testing systems of different technologies and manufacturers into the material flow. In the process, we combine not only that which has been tried and proven over and over again with that which is new; rather, the term system solution at IMR stands for a bundle of services that are individually adapted to the respective requirements.

This saves a great deal of time, reduces coordination mistakes and speeds up the start-up.



## Image processing systems

Image processing systems are used if the testing task can be solved reliably with optical functional principles. Systems are integrated for the inspection of surfaces, geometries and completeness checks, the identification and verification of coding, labelling and samples, as well as the 2D/3D position and location recognition for robot guidance.



## Tactile measuring systems

If the focus is on precision testing of the dimensional accuracy of workpiece geometries, then tactile systems are usually used. These types of systems are primarily found in production involving chip removal. Pneumatic test mandrels that measure without contact or mechanically adjusted measuring styluses are used frequently.



## Eddy current testing systems

Product flaws that are not visible on the surface of the workpiece cannot be detected with tactile and optical methods. Non-destructive testing methods are usually used for those types of testing tasks, for example eddy current, ultrasound or x-ray testing.

**Perfectly matched modules and system solutions from single source.**

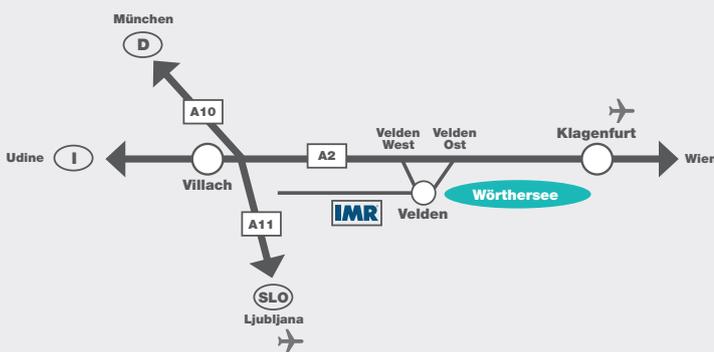


For more details regarding robotics&handling click.



For more details regarding testing&classifying click.

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