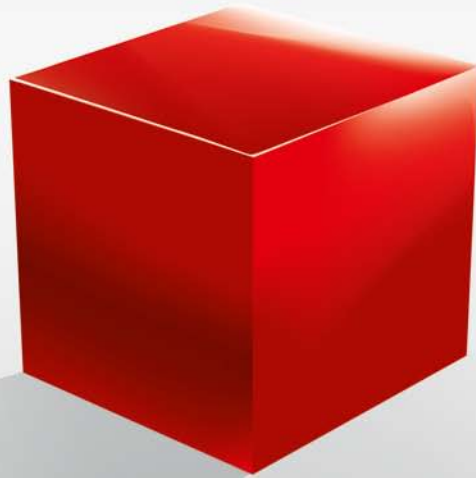


T H E P O W E R O F D E L I V E R Y



via**store.**
systems



viastore: Experience and confidence worldwide

03



For 40 years, viastore has been a leading international provider of optimized warehouses for manufacturing and distribution. These facilities may include order picking systems, automated storage/retrieval systems, mini-load systems, conveyor systems, control systems and warehouse management systems. viastore specializes in the integration of all technologies into a fully automated distribution center.

We provide consulting, design and manufacture new material handling systems and retrofit existing warehouses from different manufacturers and

upgrade them with state-of-the-art technologies and processes.

Our integrated software architecture plays a vital role in creating efficient and transparent material handling systems. It features our viad@t warehouse management software, which is equally suited to automated or conventional systems, our material flow system all the way through to our process control solutions. Alternatively we can implement your material handling processes directly in SAP LES or SAP EWM.



Keeping an eye on the future: A forward-thinking system supplier



Efficient supply chain management and reliable goods management are vital competitive factors for distributors and manufacturers.

At viastore we understand the challenges for your specific industry. We analyze your operation and improve the performance of your material handling system, giving you a competitive edge.

We design and build your warehouse and distribution center, including material handling equipment, control systems, software, hardware and all the necessary construction work. Facilities range from conventional distribution centers to manufacturing work cells to highly automated order picking centers.

Modular concept for small warehouses:

Compact automated systems from viastore facilitate the simple and cost-effective entry into efficient warehousing, particularly for small and medium-sized companies.

This new concept is based on the formula:

Standard construction hardware + pre-configured software package = efficient warehouse and inventory management.

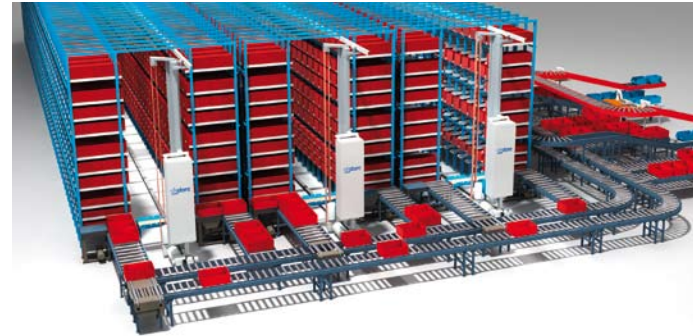
Your one-stop shop: Consulting, planning, implementation

07

Your customers' demands are simple and straightforward: They want the right goods to be delivered to the right place at the right time. This requires highly efficient distribution concepts. Only the best solution can reliably ensure the availability of your goods. Therefore it is our primary goal to develop innovative material handling concepts that will safeguard your competitive edge.

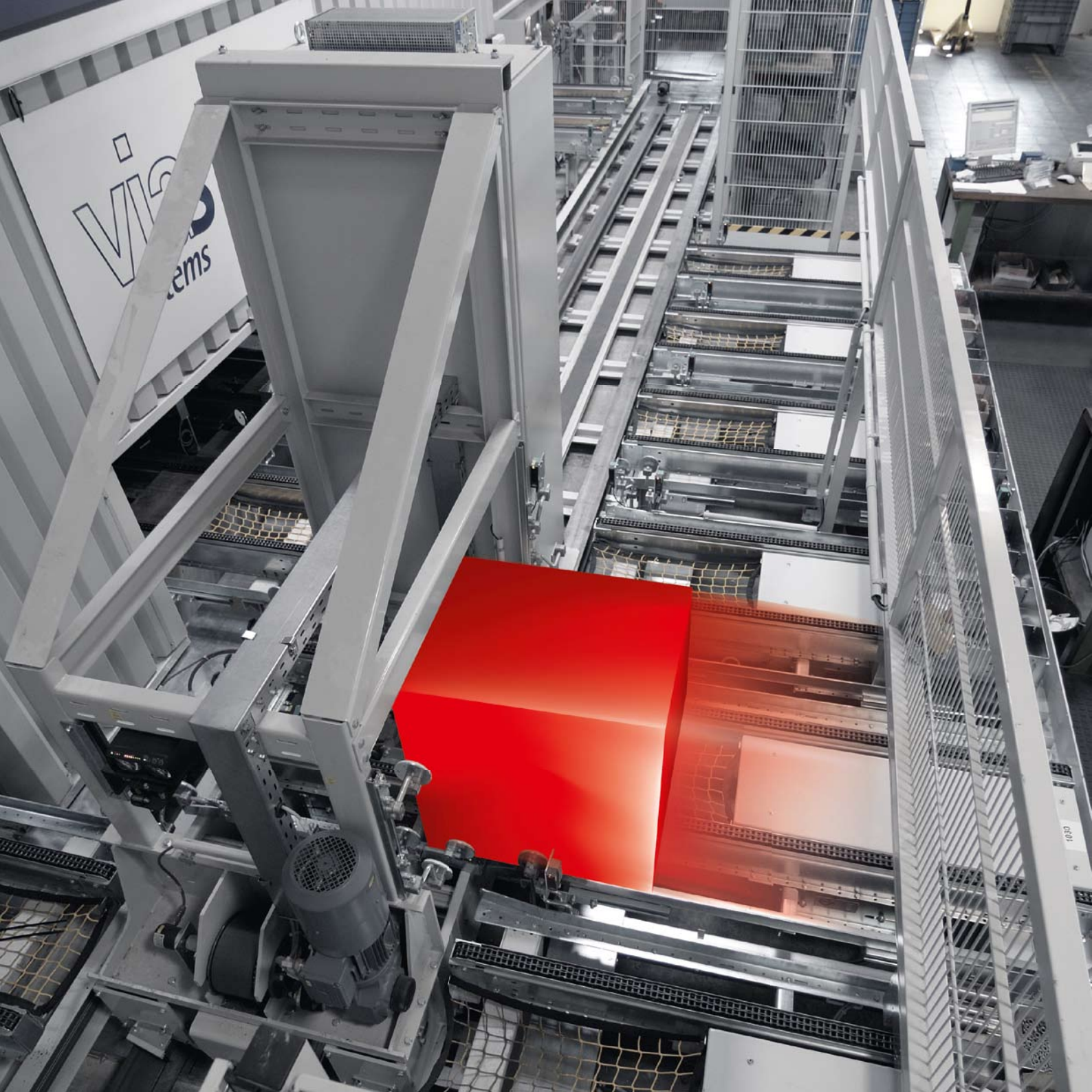
In close communication with you, our team will identify the most economic, flexible and fastest responding material handling solution to suit your specific needs. State-of-the-art planning tools employed during the process provide the basis for the right decision. By integrating well-structured and certified procedures, we enable customized solutions, short planning phases and short construction times.

Planning means developing fully integrated systems that anticipate the demands of the future and meet them today. Innovative and energy-efficient warehouse technology, warehouse management and material flow control systems must operate in sync.



We achieve high planning reliability through:

- Close collaboration between our customers and our core departments, Project Management, Software, Controls and Engineering
- Early simulation of system technology including all warehouse control strategies
- Dependable calculation of personnel requirements
- Precise calculation of investment costs based on our comprehensive and long-standing experience as a material handling provider

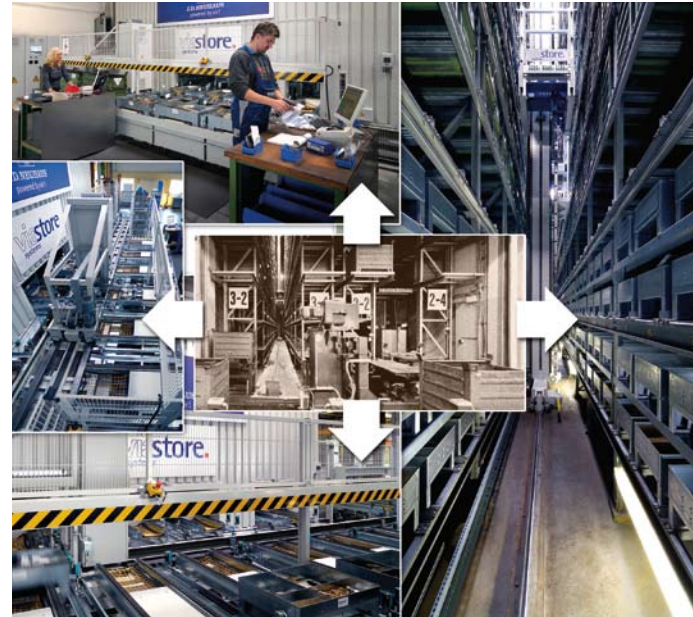


Business processes, inventory structures and technologies are undergoing permanent change. viastore is ready to offer help and advice to adapt the processes within your material handling system to these ever changing requirements.

We have comprehensive expertise in the upgrade and retrofit of existing material handling systems – including those from other suppliers. We offer numerous upgrade options – not only for the warehouse management system, but also the control system and electronic and mechanical components of your conveyor system and storage/retrieval machines.

The following will keep your material handling system forever young:

- Planning, concepts, workshops
- Reorganization of complex warehousing systems
- Upgrade and modification of existing system technology
- Upgrade and replacement of storage/retrieval machines
- Refurbishment of control technology
- Upgrades of warehouse management systems
- Hardware and software for WMS, MFC, system visualization
- Rearrange of current warehousing systems



Powered by

viad@t.



viad@t is a modern, efficient, configurable and well-proven software package for managing and controlling your warehouse whatever the type: order picking systems, automated storage/retrieval systems and conveyor systems as well as entire distribution centers. viad@t is the perfect solution whether yours is a small facility with a low turnover or a huge distribution center with several thousand order lines a day, whether you use highly automated systems or have a conventional operation.

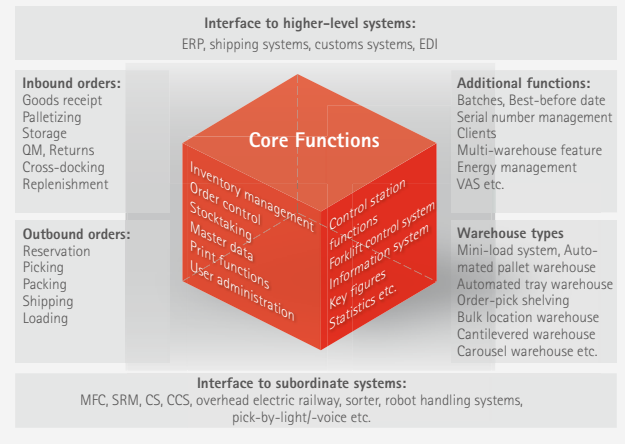
Development of viad@t has been certified in compliance with ISO 9001 and IFS (International Food

Standard), the product itself is validated according to GAMP. User guidance is simple and intuitive. Precise documentation for users and administrators both in the manual and via the online help function is standard. Our experts will support your warehouse staff during the commissioning phase. In addition, the viad@tACADEMY offers various concepts for training your operators on subjects ranging from warehouse processes to programming. For additional help, our experienced hotline engineers will be happy to assist you. If necessary they can gain remote access to your system 24 hours a day, 365 days a year.



viad@t:**Software for the entire material handling process**

- viad@tWMS – the efficient warehouse management system for conventional and automated warehouses of all levels of volume
- viad@tONE – the pre-configured WMS including material flow system for less complex warehouses and distribution centers
- viad@tCLM – the intelligent system for the allocation and management of storage locations for units in automated warehouses that runs under ERP or under a third-party WMS
- viad@tRFM – the efficient warehouse management system for conventional and forklift served warehouses and distribution centers
- viad@tMFC – the intelligent material flow system
- viad@tVISU – system visualization for a higher level of transparency and quicker access to goods
- viad@tCCS – the efficient conveyor control system
- viad@tSRM – the modern storage/retrieval machine control with a supreme service level
- viad@tSORT – the high-volume conveyor sortation control system

viad@t: Functions and fields of application

Whether you're implementing the Logistics Execution System (LES) or the Extended Warehouse Management (EWM) from SAP for the first time or are trying to make improvements to your facility leveraging your current SAP system, viastore's software suite integrates well with SAP. viastore is a certified SAP system integration partner and thus your competent partner when it comes to introducing or enhancing SAP solutions to your warehouse or distribution center.





High Performance Storage and Retrieval Technology

Order profiles are changing rapidly: Today, batch sizes start as low as only one, delivery times of less than 24 hours are the standard and error-free order picking is the prerequisite both for satisfied customers and for smooth production processes.

This means that automated warehousing systems are becoming the pivotal element of a company's economic success – no matter whether they are manufacturing or distribution warehouses. Storage/retrieval machines from viastore offer the best solutions for meeting these requirements.

Our accumulated know how from 40 years of automated material handling experience helps to resolve your warehousing tasks in a reliable and competent manner. Our three highly efficient lines of storage/retrieval machines, viaspeed, viapal and viasprint, ensure a reliable material flow thanks to the optimum integration of machines, control systems and 24/7 service.

With a wide range of individually adjustable load handling devices you can grab any type of goods or auxiliary load unit quickly and precisely. And all this single- or multiple deep, with several load devices, as single mast or double mast designs. The viastore



family of storage/retrieval machines gives the system designer the freedom to conceive exactly the solution that is demanded.

Top quality and minimal delivery times. Every single storage/retrieval machine is started up and thoroughly tested prior to delivery to the customer. This increases the quality and reduces the implementation effort on site – your warehouse can start operations even more quickly.



High Performance Material Flow and Sortation

viastore systems has more than 20 years of experience implementing stand alone conveyor and high speed sortation systems as well as integrating conveyor systems with fully automated storage and retrieval systems.

Being strong in engineering expertise and creativity, viastore manufactures custom conveyor as if it were standard.

viastore has been recognized by clients as being flexible and nimble. This equates to shorter lead times and less up charges. We manufacture and integrate the best equipment for each specific client's requirement.

viastore has the manufacturing expertise to build and design custom conveyor, such as padded chain



conveyor, powered roller conveyor, chain transfers, belt curves, chain driven live roller and air assisted sortation.

viastore systems has a 90,000 square foot facility in Grand Rapids, Michigan, housing manufacturing and assembly areas. Further, it allows for systems to be set up and run off for test purposes. This minimizes the time spent on site, the interruption to customers operations and the debug process time.



viastore specializes in total integration, handling each project from start to finish including robotic simulation, calibration, programming and maintenance. The key to any robotic application is the end of arm tooling (EOAT). Tooling can be designed to handle a wide variety of products or loads. viastore excels in designing and building the end of arm tooling to fit specific applications.

viastore is able to build and test the end of arm tooling in our facility in Grand Rapids, complete with a loop of conveyor that was built to integrate with a test robot for palletizing and depalletizing and is suited to test and run off robotic applications.

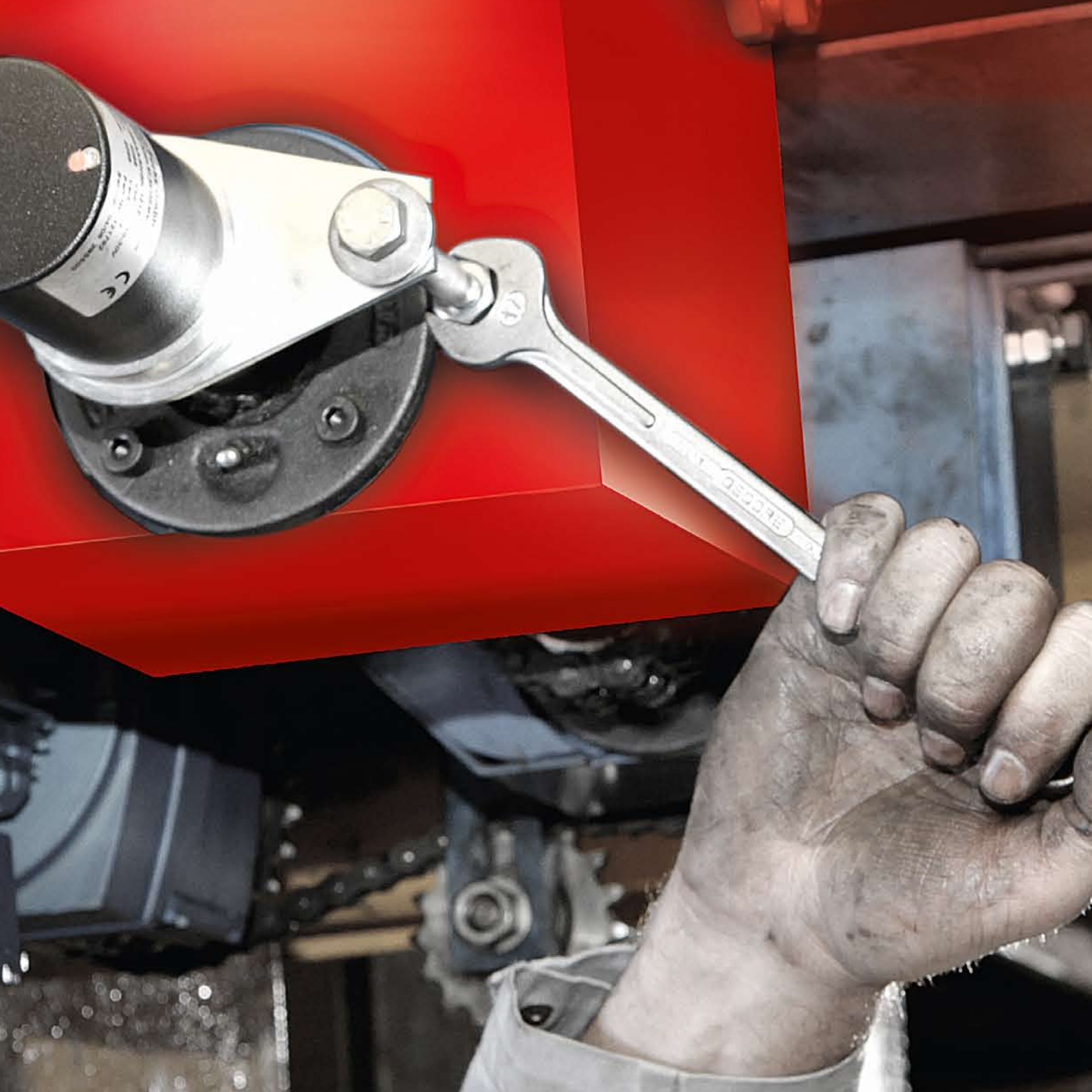
Robotic applications are best suited for environments not suitable for humans, e.g. freezers, dirty, dangerous environments handling product that has the potential for contamination or injury. Robotic applications are also suitable for any repetitive motion or movement.

viastore is a distributor of Fanuc Robotics. Fanuc Robotics America, Inc. is the leading supplier of robotic automation in North and South America. In cooperation with Fanuc, viastore can offer 175 robot model variations to meet the needs of applications.



Applications:

- Tooling Design
- Fixturing
- Production Optimization
- Palletizing
- Material Handling
- Material Removal
- Production Lines

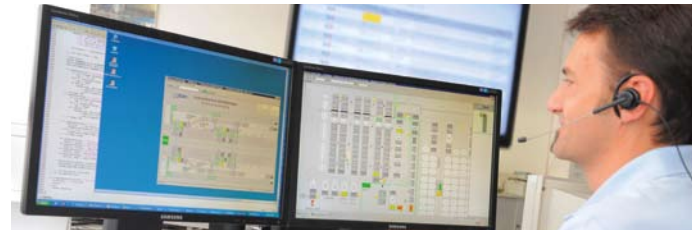


Lifetime Partnership is our definition of customer relationship

It is important to have a **reliable partner who offers comprehensive service beyond system commissioning.** After all, the best system is only as good as its maintenance and upkeep.

viastore offers you a wide range of services that are tailored to your specific needs. These include the preventive maintenance of your system and its annual inspection in accordance with accident prevention regulations and the stationary rack system inspection. The goal is to rule out unplanned downtime of your warehouse and conveyor system through early detection of signs of wear and weak points.

Should your system run into trouble, our hotline is available to you 24/7. Our hotline engineers can connect directly to your system – right down to the control level of the storage/retrieval machines and the conveyor system, enabling speedy error diagnosis and trouble shooting. This is especially advantageous for you if you do not want to establish your own in-house maintenance service. Combined with the spare parts package delivered to you at the time of installation, you are assured of a largely uninterrupted operation.



- **24/7 hotline:**
 - Remote support
 - Standby service
- **Storage Retrieval Machine (SRM) self-analysis:**
 - SRM records all deviations
 - Information transferred to your maintenance department or to viastore
 - Preventive and corrective measures
- **Maintenance**
- **Spare parts service**



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