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You can find up-to-date information on our products and solutions for conveyor technology applications on the Internet at:

www.siemens.com/conveyor-technology

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.
Conveyor technology:
Moving industries to new heights

What you can expect:

- Greater productivity, increased profitability – with an integrated product portfolio and comprehensive solutions
- Lower operating costs – through targeted minimization of energy requirements
- Higher plant availability – through higher product quality, reliable support from a single source and fast spare parts service
- Complete protection of investments – through customized services, including training
- New possibilities for modifications and expansions – through a scalable portfolio and modular system components

The right solution for any conveyor technology application

Whether airports, automotive, food & beverage or warehouse & logistics, we offer customized solutions for any industry where conveyor technology applications are used. In addition to automation and drives, we can supply the right products and systems for many other sectors and industries. Our network of products and services features everything you need for more mobility in your conveyor technology. We’d be glad to consult you personally on your individual potential.

Anytime, anywhere – service without borders

Whether you need your drive sent to you just-in-time or you require delivery, assembly, commissioning or maintenance, our experts are always there to serve you. All over the world, directly on site – and in over 130 countries. You benefit from shorter delivery times. Thanks to our optimized logistics and production processes, each and every component reaches you as quickly as possible.

You can even place your orders over the Internet. At www.siemens.com/automation/mall, you can find a clear overview of all our products. And with EDIFACT, you can complete the entire ordering process online.

But we are also glad to provide the personal assistance you need. If you want support from a service specialist, or want to order spare parts, or just have a question, through our hotline you’ll obtain optimum consulting services.

Hello line for Service & Support:

- www.siemens.com/automation/service&support
- Technical support: 0180 5050222
- http://automation.siemens.com/partner
- Sales partner info helpline: 0180 5050111
PROFIBUS communications.

CP 343-5 communications processors – and through high-speed level controllers exchange information via standardized SIMATIC to localize them along the 500-meter track. Furthermore, all the OP3 Operator Panel. The RF identification system Moby D is used monitoring for the individual chassis is provided by a SIMATIC MICROMASTER 440-series frequency inverters as well as two elements in the chassis frame and loading cart are now SIMATIC.

Within the scope of comprehensive modernization of the Our solution contamination.

a strict separation between supply and disposal to prevent any In addition, used items and material must be disposed of, with supply of medications, sterile utensils, laundry and detergents.

especially since the solution also needs to provide for a reliable day. The logistics at Ingolstadt Hospital place high demands – Serving more than 1,000 patients a meal on time three times a week. The challenge for the Ingolstadt Hospital

Comprehensive automation solutions

for the Ingolstadt Hospital

The challenge

Serving more than 1,000 patients at a meal on time three times a week, efficient logistics and high-availability of production equipment are essential for the hospital. While the existing automation solution is highly efficient, the requirement for scalability and flexibility is rising due to the introduction of new services and processes. In addition, high availability and reliability are obligatory to prevent a failure of vital installations, electronic systems and medical equipment. Therefore, in addition, high demand and material must be disposed of, with supply of medications, sterile utensils, laundry and detergents.

Our solution

With the scope of comprehensive reconfiguration of the automation systems, the hospital chose SIMATIC. The core elements are the 6-axial robots and handling and can now SIMATIC controllers S7-300 (CPU 315). They are combined with PROFIBUS-DP where frequency inverters are linked to the new power supply system, which is also equipped for the actual application, simulated by a SIMATIC SimaticNet. The S7-300 controllers are now used to simulate the new SIMATIC drive. Furthermore, all the required systems exchange information via standard PROFIBUS DP (IEC 61158 communications protocol) – through high-speed PROFIBUS communications.

Innovative configuration and visualization in glass production at Rehm in Minden

The challenge

High-quality glass products over more than 2,000 tons of glass annually at Minden site. During continuous production operation, the glass bath are kept in constant working states to buffer sections and blanks which can be the running production systems 25% to 30% of the overall time. Furthermore, Sauer does not have to alter its options for the production. After all, a company constantly move and fall with the availability of its production facilities.

Our solution

Since the initial launch of the comprehensive reconfiguration and restructuring – on an production line of the合同 – a company technology solutions can achieve 8,500 tons with about 25% frequency controlled single drives. This solution was developed by the team of company Minden and Hernes manually connected SIMATIC S7-300 CPU with degree of protection IP65.

Reach in Minden

The Siemens Panel PC 670 ensures trouble-free visualization, Advantages

- While the SIMATIC Panel PC 670 ensure trouble-free visualization, Siemens offers a variety of solutions for everything from automation and drive technology to safety engineering – power supply and distribution – with qualified advice and comprehensive support

- with future-oriented concepts on target configuration support

We’re the partner you’re looking for.

With our comprehensive product portfolio for conveyor technology, you can benefit from our extensive experience and diverse range of high-quality products and services. Whether you’re looking for solutions for conveyor technology applications in a variety of different industries, or simply want to take advantage of the latest innovations and advancements in the field, we have the expertise and resources to help you achieve your goals.

A product range that meets your demands:

Moving more than you ever imagined

Siemens Automation and Drives offers a wide range of products and systems for conveyor technology applications in a variety of different industries. But there are a number of things they all have in common:

- They are part of our integrated systems and technologies
- They feature flexible scalability
- They meet the highest standards as regards quality, reliability and future orientation
- They are available worldwide

In fact, our comprehensive system range for conveyor technology offers many different advantages, providing added benefits to machine manufacturers, plant engineering companies and plant operators.
Conveyor technology references:

**Other sectors**

**Comprehensive automation solutions for the Ingolstadt Hospital**

**The challenge**

Serving more than 1,000 patients a meal on time three times a day requires a logistical concept to provide trouble-free catering to all patients. An appropriate system is needed to provide for a stable quality of inpatient catering, especially in the case of大宗 tasks, for example, loading and unloading the rail. In addition, time and material must be disposed of with controlled separation between supply and disposal to prevent any contamination.

**Our solution**

Within the scope of comprehensive modernization of the automation systems, the hospital chose SIMATIC. The core elements are the shared know-how and technology of the numerous SIMATIC controllers. The core elements are the SIMATIC S7-315-2DP controller. The SIMATIC S7-315-2DP controller is used for the standard set of the conveyor system provided by the SIMATIC S7-315-2DP controller. The SIMATIC S7-315-2DP controller is used to the standard set of the conveyor system provided by the SIMATIC S7-315-2DP controller.

**Advantages**

- The modernization of the automation systems has drastically reduced the number of process delays caused by human error.
- Increased the level of fault-tolerance among patients, employees and operators.
- For example, cabinets can now be removed without any waste being generated.
- It is possible to localize the fault zone along the 500-meter track. Furthermore, all the relevant software interface information can be exchanged between the SIMATIC S7-315-2DP controller and through high-speed PROFIBUS communications.

**Innovative configuration and visualization in glass production at Rexam**

**The challenge**

Rexam produces more than 580,000 cans of glass annually at Nennburg location. During continuous production operations, the glass bottles are conveyed from buffer stations and tables which can be the warning production plants to 30 stations in the course of an interruption. However, these do not need to interact in this option for the following reasons:

- After a conveyor is blocked, it is not able to transport the bottles with the availability of this production facility.

**Our solution**

The core modular design of the comprehensive modernization of the conveyor system is complemented by the SIMATIC S7-315-2DP controller. The SIMATIC S7-315-2DP controller is used to the standard set of the conveyor system provided by the SIMATIC S7-315-2DP controller. The SIMATIC S7-315-2DP controller is used to the standard set of the conveyor system provided by the SIMATIC S7-315-2DP controller.

**Advantages**

- With the SIMATIC Panel PC 670, one can transfer values, monitors limits and compiles important process data.
- Furthermore, intelligent configuration and visualization software is based on individual design concepts which were implemented in the software.

**We’re the partner you’re looking for.**

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- They are available worldwide

In fact, our comprehensive system range for conveyor technology offers many different advantages, providing numerous benefits to machine manufacturers, plant engineering companies and plant operators.
Advantages for mechanical engineers and plant engineers:

- Achievable reduction of plant downtime through a consistent implementation of Totally Integrated Automation (TIA) across all fields.
- Increased throughput capacity and reduced operating personnel thanks to the consistent integration of Totally Integrated Power (TIP).
- Reduced asset management effort due to the consistent implementation of TIP technologies.

Comprehensive solutions: Totally Integrated Automation – our concept for your entire value chain

Totally Integrated Automation:
The plant-wide approach for conveyor technology provides you with comprehensive solutions which allow you to leverage the full potential of your total automation. It is our unique and uniform solution concept for industrial plants, ranging from the lowest rung to automation technology. From planning to commissioning, Totally Integrated Automation ensures that the entire process is fully integrated across all production levels – from the field level to enterprise management. This holds the promise of more lucrative results.

Totally Integrated Power:
Power distribution and management from one source

Our Totally Integrated Power (TIP) concept offers you integrated solutions for power distribution and automation technology. This means that we integrate our own products into the system architecture, ensuring maximum compatibility and a high degree of protection for components. Moreover, our Totally Integrated Power solutions are based on a uniform and unique range of products and services for the power distribution and automation areas.

Conveyor technology references: Airports

Airports are complex logistic centers and require the latest technology for modern baggage handling. With continuously increasing airport traffic and a shift from manual handling to automated systems, airport operators need to ensure that the latest technology and procedures are implemented. Siemens offers a comprehensive portfolio of products and services for baggage handling and conveyance systems. Our Totally Integrated Power concept offers customers a customized solution that ensures maximum efficiency and reliability.

Advantages for airport operators:

- Reduced maintenance and operation costs due to the consistent implementation of TIP technologies.
- Increased passenger satisfaction through the use of the latest technology.
- Improved efficiency and reliability of baggage handling and conveyance systems.

Innovation and testing center on airport technology:

Covering 9,000 m², the innovation and testing center in Fürth, Germany, demonstrates a variety of different solutions that can be combined into a functional overall concept for an international airport. This includes an integrated baggage handling system, a TIP concept for power distribution and automation technology, and a Totally Integrated Manufacturing (TIP) concept for building automation. The center provides a comprehensive view of the latest technology and its potential applications in the field of airport logistics.

Whether you are more interested in products, special plant sections or an overall solution, you can experience the latest developments in our innovation and testing center. Visit us for an alternative look at airport logistics.
**Conveyor technology processes:**
Conveying – permanent acceleration of productivity

Conveying means transporting goods or products horizontally or vertically from one place to another. When planning the distance, the goal is to ensure that the delivery is as quick and reliable as possible since transport time is actually nonproductive time. However, the stakes are even higher for production lines in the automotive industry, for example, drives need to be exactly positioned and an identification system must be in place to reliably track production parts. Increasing personal safety is also an important issue. If the conveying process is integrated into a uniform operation control and automation systems, it is possible to achieve a markedly higher throughput at the end of the line.

Sorting means arranging goods according to defined characteristics. In the case of hub airports, for example, sorting involves strict requirements to ensure smooth sorting and proper management of luggage for numerous airplanes that need to be taken out and be delivered. An additional logistic challenge for hub airports is dealing with a high amount of transfer luggage that is hand in from respective arrival departure gates. These requirements demand high-speed transport, fast and reliable scalability as well as adequately dimensioned buffer capacities. In the context of high-performance automation technology, precise identification and highly dynamic drives ensure that the right suitcase is delivered to the right loading state at the right time.

**Conveyor technology processes:**
Sorting – on-target organization of efficiency

Sorting is a key element in logistics. With accurate sorting, one can ensure that goods are reliably delivered to their destination. In addition to conveyor technology, the automation systems play an essential role in this process. By using uniform operation control and automation systems, it is possible to achieve a markedly higher throughput at the end of the line. Whether you require a solution in the automotive or food & beverage industry, in airports, postal and package distribution centers or general intralogistics, our standardized yet customized products and systems are the right solution for your conveyor technology applications in any industry.

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**Conveyor technology references:**
Logistics & Warehouse

Examples of conveyor technology applications for assembly lines in the automotive industry:
- Minimal overhead conveyors
- Automatic guided vehicle systems (AGVS)
- Sliding platform systems
- Automatic high speed conveyors
- Trays conveyors
- Lift-tray systems
- Baggage claim conveyor technology

Whether you need to convey, sort, store or pick, we work with you to bring your processes up to their full potential no matter what your demands – quickly and reliably.

Examples of conveyor technology applications for baggage sorting in airport terminals:
- Baggage check-in
- Conveyor belt systems
- Tray conveyors
- Lift-tray systems
- Baggage claim conveyor technology

Flexible and functional: Storage and retrieval machines for dynamic environments

Dematic has decades of experience in building storage and retrieval machines. Its comprehensive product range with Web- testament, modularly designed components has the perfect change and retrieval technology for any warehouse solution. They all have a cost-effective, rugged and durable design that meets the most extreme demands for performance and availability.

The proven full and field tested control system behind Dematic storage and retrieval machines is based on the SIMATIC industrial PCs and the SIMATIC D controllers. As for drive technology, Dematic relies on the powerful SIMOTICS S120 drive system that combines SIMOTION D Motion Controllers with the SIMOTICS S120 AC motor drive. The SIMOTION D Motion Controllers are designed for highly dynamic, multi-axis applications with the necessary drive performance to ensure the required level of dynamism for each individual application. The controllers and the SIMOTICS S120 AC motor drives are communicated via PROFIBUS – which is proven fully reliable and is a modular and scalable equivalent system architecture. Depending on the dynamic requirements, they are equipped with back-up batteries in order to keep operational up and running for up to 60 minutes via PROFIBUS using AS-Interface using Siemens technology. Thanks to the maximum transparency in relation to the technical present and the logistic processes, 95 percent of the catalog items are available for delivery at any time, and the MIS can set any quality in MRP production, WIP, MRP4, and control the production at any time precisely. With a maximum throughput rate of 28 million data carriers, Simatic S120 is the right automation concept to ensure precise handling.

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**SIMATIC industrial PCs and the SIMATIC D controllers**

The challenge Internal Manufacturing & Logistics (IML) creates CDs and DVDs in small batches. With a SIMATIC control system in place, planning and controlling the process and for the subsequent complex process controlling this process and for the subsequent complex process can be achieved. However, the stakes are even higher for production lines: in the automotive industry, for example, drives need to be exactly positioned and an identification system must be in place to reliably track production parts. Increasing personal safety is also an important issue. If the conveying process is integrated into a uniform operation control and automation systems, it is possible to achieve a markedly higher throughput at the end of the line.

With a high amount of transfer luggage in transit from its respective arrival to departure gate. These requirements demand high-speed transport, fast and reliable scalability as well as adequately dimensioned buffer capacities. In the context of high-performance automation technology, precise identification and highly dynamic drives ensure that the right suitcase is delivered to the right loading state at the right time.

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Sorting – on-target organization of efficiency

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Conveyor technology references: Logistics & Warehouse

Dematic controls logistics and production at Universal Manufacturing & Logistics in Langenleben

The challenge

Universal Manufacturing & Logistics (UML) produces CDs and DVDs in small batches. With a SIMATIC control system in place, they can now be delivered to customers all over the world from the company’s own distribution center. Instead of the 1,000 units a day, the new system ensures an average storage capacity of 28 million data carriers. The maximum volume that Dematic has ever handled is 90,000 order lines per day for distribution. Accurate, reliable tracking is another prerequisite for the fulfillment times that UML sets. Fast action is necessary to refill production gaps. What’s more, thanks to the maximum transparency in relation to the technical processes and logistic parameters, UML can make use of the real-time data at any time and take measures to ensure precise handling.

Our solution

After the CDs and DVDs are produced in more than 22 ultramodern carousel sets, the order is conveyed to the central storage unit. The SINAMICS S120 control system, which is part of the drive and automation technology based on SINAMICS S120 used in conjunction with the SIMOTION D Motion Control system, communicates via PROFIBUS. The SIMOTION D Motion Controller and PLC or the SIMATIC S7 controller. As for drive technology, Dematic relies on the SIMOTICS S120 drive system and the integrated SIMOTION D Motion Controller. Based on this flexible, modular system, it is possible to design optimally tuned drives for any warehouse solution.

The powerful and field-tested control system behind Dematic’s warehouse automation concept to ensure precise handling.

The control system that is responsible for the maximum transparency in relation to the technical processes and logistic parameters, UML can make use of the real-time data at any time and take measures to ensure precise handling.

Flexible and functional: Storage and retrieval machines by Dematic

Dematic has decades of experience in building storage and retrieval machines. Its comprehensive portfolio range with field-tested, modularly designed components has the perfect change and retro-fit potential to warehouse solutions. They all feature a cost-effective, rugged and durable design that meets the most extreme demands for performance and availability. The powerful and field-tested control system behind Dematic’s storage and retrieval machines is based on the SIMATIC standardized PLC of the SIMATIC S7 controller. As for drive technology, Dematic relies on the SIMOTICS S120 drive system and the SIMOTION D Motion Controller. Based on this flexible modular system, it is possible to design optimally tuned drives for any warehouse solution, with the necessary drive performance to ensure the required level of dynamics for each application. The controllers and the SIMOTICS S120 drives are connected via PROFIBUS – which is powerful and reliable – as well as via AS-Interface using Siemens technology. The powerful and field-tested automation technology based on SINAMICS S120 used in Dematic’s warehouse automation concept to ensure precise handling.

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Conveyor technology processes: Food & Beverage

Automation of the storage and transport system at Hochwald in Polling

The challenge

With one of the largest milkers and largest dairy factories in Germany, Hochwald needed an automated and sustainable production process to deliver high-quality milk at a competitive price. This became especially challenging due to increased market demands, rising costs, and a need for efficient operations.

Our solution

We were able to plan, configure and implement a powerful and highly automated storage and transport system based on SIMATIC S7-300. The system is designed to handle milk and dairy products through five production lines at a rate of 40 units per minute. This allows for high-speed production processes, ensured by a monorail overhead conveyor which handles all transporting tasks from and to the high-bay warehouse.

Our solution included color area sensors to precisely identify and manage the correct milk packages according to their type, size, and destination. The sensors are connected to the high-bay warehouse, allowing for efficient and error-free transportation.

Advantages

Thanks to precise color coding, none of the packages in the warehouse has been sent to the wrong location. Thanks to efficient in- and out-scanning using on barcode scanning, the system can handle and transport milk packages up to 45 tons per minute. The system is fully automatic, ensuring no programming is required.

Examples of conveyor technology applications for storage in the food & beverage industry include:

- Container conveyors (with belts or rollers)
- Preselection technology
- Order picking including order fulfillment
- Goods retrieval including unit load transport
- Order picking solutions in warehouse & logistics
- Order picking processes in order picking
- Container conveyor technology
- Project solutions
- Assignment service
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SIMATIC ET200 I/Os on site. A SIMATIC TP 170B Touch Panel is the controller via the digital I/Os of the vision sensor and distributed destination. The system is linked through PROFIBUS to the SIMATIC S7-300 controller, which in turn determines the corresponding unique color pattern and relays the result to the higher-level solution here. The sensor identifies the package according to a range of products – which naturally involves a wide range of package types in 18 sizes transported to the boxing station and different types of packaging. There are roughly 100 different package types that need to be reliably identified and sent along the right path.

The Hochwald food processing factory in Polling produces a wide range of products – which involves a wide range of transport and logistic processes will ever be sent the wrong way. Since the sensor is linked to the SIMATIC system, which handles all transporting tasks, the risk of goods in the warehouse has also been greatly improved thanks to precise color coding. None of the packages in the warehouse need to be sent to the wrong location.

The challenge

The Hochwald food processing factory in Polling produces a wide range of products – which naturally involves a wide range of packaging. There are roughly 100 different package types in 18 sizes transported to the boxing station. High productivity requires a high degree of automation and drives solution for efficient and cost-effective storage no matter what goods you need to store or retrieve machines handle pallets and containers – and transport them to the respective storage bays. Highly dynamic storage and retrieval machines handle pallets and containers – and transport them to the respective storage bays. Highly dynamic storage and retrieval machines handle pallets and containers – and transport them to the respective storage bays.

Advantages

In general, Sachsenmilch Dresden benefits from optimum system availability, efficient individual transport and dynamic, flexible modes of operation. The flow of goods through the plant is quick and efficiently regulated. The storage and retrieval of goods in the warehouse is handled by the SIMATIC MV220. Finally, the solution reliably meets all government requirements for hygiene.

The Hochwald food processing factory in Polling produces a wide range of products – which naturally involves a wide range of package types in 18 sizes transported to the boxing station. High productivity requires a high degree of automation and drives solution for efficient and cost-effective storage no matter what goods you need to store or retrieve machines handle pallets and containers – and transport them to the respective storage bays. Highly dynamic storage and retrieval machines handle pallets and containers – and transport them to the respective storage bays.

Advantages

Thanks to precise color coding, none of the packages in the warehouse can be sent to the wrong location. Since the included color area sensors can be taught up to 16 patterns at a time, the sensor决战 to the SIMATIC system, which handles all transporting tasks, the risk of goods in the warehouse has also been greatly improved thanks to precise color coding. None of the packages in the warehouse need to be sent to the wrong location.

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Advantages

In general, Sachsenmilch Dresden benefits from optimum system availability, efficient individual transport and dynamic, flexible modes of operation. The flow of goods through the plant is quick and efficiently regulated. The storage and retrieval of goods in the warehouse is handled by the SIMATIC MV220. Finally, the solution reliably meets all government requirements for hygiene.
Advantages for plant operators are cost-efficient designer for plant engineering and control and low lifecycle costs. On-site monitoring of smart sensor/actuator systems with embedded software. The data generated are evaluated using advanced analytics to optimize plant operation and maintenance. This leads to improved efficiency and reduced downtime costs.

Comprehensive solutions: Totally Integrated Automation – our concept for your entire value chain

To what extent do you need reliable conveyor technology for the productivity of your company? Are you a plant operator interested in taking full advantage of all efficiency potentials presently offered by modern, integrated solutions? Let us be your partner who takes individual approaches to attain your goals. We offer a solid foundation with a complete product portfolio featuring speed motors, motor starters and converters, sensors and switchgear, automation devices and everything else you need for efficient conveyor technology applications. Smart commissioning means we can ramp up your plant quality.

The simple expandability of our systems and fast exchange of devices minimize downtimes and conversion times. The high quality of our products and comprehensive diagnoses for preventative maintenance ensure high availability. Furthermore, we engineer sensing nodes in the efficiency class EFF1 or EFF2 offer a high potential for saving energy. That way, you can reduce the overall power consumption.

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Advantages for mechanical engineers and plant engineers

What is your challenge? Are you looking for cost-efficient possibilities for fast implementation of state-of-the-art technologies and their constant further development? Then you are at the right place. Based on our field-tested, comprehensive portfolio, we can offer you both standard products and customized systems and services. Intelligent tools provide you support in the configuration phase, laying out components, testing up power supply and distribution systems, parameterization, programming and commissioning. Our products and systems let you standardize and modularize your conveyor technology and commissioning. Every increment of a conveyor technology can be integrated along with the information flow into an overall solution across all product levels – from the field level to enterprise management. This builds the premise of increasing efficiency, engineering and efficiency as well as greater profitability across all processes. Thanks to the consistent integration concept. TIA is a major factor in minimizing costs throughout the entire life cycle – and reduces the complexity of industrial plants.

Totally Integrated Power: Power distribution and management from one source

Our Totally Integrated Power (TIP) concept offers you integrated power delivery for power-intensive commercial and industrial buildings, from low voltage transformers to power outlets. Equipped with the same communications and visualization standard as Totally Integrated Automation, all the components for automation, power distribution, power management and building automation can be integrated into plant-wide solutions for your industry.

Totally Integrated Automation: The plant-wide approach for conveyor technology

With Totally Integrated Automation, we offer our customers a uniform and unique range of products and services for process and production automation – including conveyor technology applications.

Our Totally Integrated Power (TIP) concept offers you integrated power delivery for power-intensive commercial and industrial buildings, from low voltage transformers to power outlets. Equipped with the same communications and visualization standard as Totally Integrated Automation, all the components for automation, power distribution, power management and building automation can be integrated into plant-wide solutions for your industry.

Conveyor technology references: Airports

The challenge

With continuously increasing airport traffic and a rise of new technologies, airports are facing new demands on infrastructure and logistics – and all the components they entail. Major hubs especially require large cargo conveyors, high passenger volume and high-transfer capacity. With short distances to be covered, the solutions must fast and fast be able to handle conveying and conveying principles with a high capacity and low transfer times.

Our solution

Covering 9,000 m², the innovation and testing center in Fürth, Germany, demonstrates how a variety of different individual systems can be combined into a functional overall concept for an airport logistics system. Our integrated low voltage systems, e.g. Siemens/Flender geared motors with tuned frequency drives, offer a high potential for saving energy. We supply the drives with the necessary power at the appropriate frequencies of up to 3,000 units/h. The motors are linked to high powerful power distribution and management systems, equipped with the same communication and visualization standard.

With this configuration, the baggage conveying system places high demands on itself, but also on others, to powerfull but also systems contribute to noise. High power connectors are essential for reliable operation and efficient energy supply. Siemens/Flender geared motors with tuned frequencies of up to 2,000 units/h ensure the modular power supply. The motors are linked to the central control system and the baggage conveying system via a standardized logistics systems plant MMS and PROFIBUS. The conveying equipment itself can be varied, even with simple components, thanks to plug-in modules – specifically according to the respective service stage. Finally, intelligent power and management systems ensure the power supply with the necessary power at the appropriate time.
Our solution

Conveyor technology references: Automotive

Integrated, open and cost-effective with safety

Safety integrated: Early, integrated solutions for your safety tasks

Consistent compliance with defined safety standards – this is an increasingly important factor, especially in the area of conveyor technology. With our Safety integrated products, which integrate safety technology into standard automation and drive technology, we provide a consistent basis for our safety relevant products and systems.

This includes both drives and controllers – as well as the open bus systems PROFIBUS and PROFINET – with the profisafe and ASIsafe, respectively. That way, you can react more quickly and cost-effectively to the customer’s safety-related requirements – and upgrade your existing machines and plants in any time to state-of-the-art safety technology.

Advantages:
- Our solution ensures flexible and targeted maintenance.
- It guarantees absolute reliability and quick signaling of errors.
- The comprehensive modernization of the drives and controllers, it is now possible to isolate and eliminate any incidents. Of course, a jump in productivity. In addition to the production systems resulted in a drastic increase in plant availability – and, of course, a jump in productivity. In addition to the production systems.
- The PROFIBUS DP, all of the sensor signals are bundled via several PROFIBUS DP. Further PROFIBUS / PROFIsafe.
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Inverter COMBIMASTER Geared Motor

The challenge:
At a height of 35 meters and a length of 140 meters, the conveyor must carry a height of 35 meters and a length of 140 meters. This was achieved through the use of two plant in Ulm, Germany, the company wanted to upgrade the conveyor technology. With our Safety Integrated products, we can provide you optimally integrated drive and control systems. In connection with SIMATIC automation systems, the operator control and monitoring components SIMATIC HMI, the SIMATIC sensors for controlling the conveyor technology processes – including safety engineering and power distribution – get an integrated, flexible automation solution for your conveyor technology.

Whether you prefer centralized or distributed solutions, require devices with a low or high degree of protection, use conventional cabling or fieldbus systems such as AS-Interface, PROFIBUS or PROFINET, we have the right products and systems for your conveyor technology application.

Components increased to PROFIBUS/PROFINET Distributed to PROFIBUS/PROFINET Distributed to AS Interface

Comprehensive integration and automation with the Totally Integrated Automation Portfolio

Based on an integrated automation and drive system, we offer you a complete product portfolio that gives you the tools and means to develop your conveyor technology concept.

With our Simatic Sinamics S120, Sinamics S1500 and Sinamics G120 frequency inverters, we offer you optimally integrated drive components and more. In connection with SIMATIC automation systems, the operator control and monitoring components SIMATIC HMI, the SIMATIC sensors for controlling the conveyor technology processes – including safety engineering and power distribution – get an integrated, flexible automation solution for your conveyor technology.

Inverter SIMOCODE pro

The challenge:
With the ever-shifting needs of the task assignments being more and more demanding, the controls and drives must combine the outstanding performance and automation systems. To be able to fully lever the degree of automation and efficiency, the equipment is of course, a jump in productivity. In addition to the production systems.
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Inverter SIMOX pro

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Car body conveyor technology in the automotive industry

The challenge
As a height of 35 meters and a length of 140 meters, the requirements for the conveyor system are immense. At a speed of 1,000 meters per hour, the line produces about 120 cars per hour, which means a total of about 1,000 cars ready every day. During the conveyor, the bodies are handled up to 50 times. At this pace, they are delivered in a fixed order, ensuring a perfectly presentable product. Of course, absolute reliability and fault-free construction have to guarantee this immense volume.

Our solution
We delivered the SIMATICS installation of the M440 ET 200S, which was perfect for the project control system and the overall conveyor plant, combined with the WMP9 Phoenix. The plants are controlled via a PROFIBUS DP/AS-i connection that allows for the agility and speed of modern cars. The SIMATICS safety technology, including and monitoring of the emergency stop function, in addition, the SIMATIC Mobile Panel 1746 ensures flexible and targeted maintenance.

Advantages
Because the conveyor system was virtually driven through the use of SIMATIC technology, it was possible to include full monitoring and automatic shut-offs. The E-STOPs linked to the SIMATIC S7-400 automation system via the PROFIBUS-DP/AS-i connection can react very quickly to the customer’s safety requirements – and upgrade your existing machines and plants any time to state-of-the-art safety technology.

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Conveyor technology references: Automotive

Integrated, open and cost-effective with safety

Safety integrated
Easy, integrated solutions for your safety tasks

Consistent compliance with the high safety standards – this is an increasingly important factor especially in the area of conveyor technology. With our Safety integrated products, which integrate safety technology into standard automation and drive technology, we provide a consistent basis for our conveyor technology concepts and systems.

This includes both vehicles and components – as well as the open line systems PROFINET and PROFINET AS-i Interface – with the possibility of PROFIsafe and ASiSAFE, respectively. That way, you can react more quickly and cost-effectively to the customer’s safety-related requirements – and upgrade your existing machines and plants any time to state-of-the-art safety technology.

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Based on an integrated automation and drive system, we offer you a complete product portfolio that gives you a free hand in developing your conveyor technology concept.

With our Siemens/Siebert systems, SIMBUS motor starters and SIMANET frequency inverters, we can provide you optimally integrated drive components and power. In connection with the Siemens/Siebert automation systems, the operator control and monitoring components SIMANET-MIC, SIMANET-MIC-MAX and SINAMICS controllers for controlling the conveyor technology process – including safety engineering and power distribution – you get an integrated, flexible automation solution for your conveyor technology concept.

Whether you prefer centralized or distributed solutions, require devices with a low or high degree of protection, use conventional wiring or fieldbus systems such as AS-Interface, PROFBUS, PROFINET or PROFINET-AS-i Interface, we have just the right products and systems for your conveyor technology applications.

Company chart for conveyor technology

*All configurations depicted here are simply examples of possible connections available.

Conveyor technology references: Automotive

Integrated automation and drive technology

System chart for conveyor technology

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Company chart for conveyor technology

*All configurations depicted here are simply examples of possible connections available.
More, integrated drive: Our products and systems for conveyor technology applications

Geared motors

- Our reliable Siemens/Schneider geared motors ensure maximum efficiency. They are cost-effective and offer high speed, from 1:1 to 390:1.
- The modular design allows for模块化配置, ensuring optimal use and efficiency.
- In high-energy areas, the efficiency of our geared motors can significantly reduce energy consumption.

Inverters

- Our products and systems for conveyor technology applications offer a wide range of inverters, including converters, SIRIUS motor starters, position switches, and sensors.
- For high-precision applications, our inverters are designed to ensure precise positioning and monitoring of moving parts.

Motor starters

- Our motor starters are the right choice for monitoring, protection, starting, braking, reversing, and soft starting. They ensure the complete range of control tasks in high-energy areas.
- Motor starters offer the option of integrated control and monitoring, ensuring safe operation and reducing maintenance costs.

Controllers, I/Os, software

- SIMATIC Controllers ensure a high degree of flexibility. SIMATIC I/Os provide maximum configuration and control functions, allowing for efficient integration.
- SIMATIC ET 200S and ET 200pro series offer a system solution integrated directly in the field. They can be used for feeds and encapsulated compact starters to factory wiring.
- Our starters are quick to install and save space. The complete distributed SIMATIC ET 200S system has already been tested, meaning you don’t need to invest in additional engineering work.

Communication

- SIMATIC NET allows for Totally Integrated Automation. It is very easy to configure connections between different components and systems. To ensure that PROFIBUS is the right choice for your application, you need to consider the communication configuration. The product and any additional engineering work is necessary for open and integrated industrial communication.

Operator control and monitoring

- The user interface or additional engineering work is necessary for open and integrated industrial communication.
- SIMATIC HMI allows for easy and intuitive operation. With the HMI system, you can design a user-friendly and efficient interface that is easy to use and understand.

Safety systems

- Safety is crucial in conveyor technology applications. We offer a variety of safety solutions, including fail-safe sensors, proximity switches, and position switches.
- Our systems can be integrated into Totally Integrated Automation, ensuring a high degree of flexibility.

Power distribution

- Our power distribution systems ensure maximum efficiency. They are cost-effective and offer high speed, from 1:1 to 390:1.
- The modular design allows for efficient integration, ensuring optimal use and efficiency.
- In high-energy areas, the efficiency of our power distribution systems can significantly reduce energy consumption.
Inverters

**SINAMICS frequency inverters**

The SINAMICS frequency inverters are the heart of any technological process, providing the necessary energy for motors to start, run, and stop. They are available in a wide range of models and can be customized to fit the specific needs of the application.

**Micromaster 400**

The Micromaster 400 is a low-voltage frequency inverter designed for a wide range of industrial applications. Its modular design allows for easy integration into existing systems, and its high efficiency makes it ideal for energy-conscious environments.

**SINAMICS G120**

The SINAMICS G120 is a medium-voltage frequency inverter, designed for applications requiring high performance and reliability. It is available in a variety of configurations to suit different needs, and its advanced features make it a popular choice for companies looking to improve process efficiency.

**SINAMICS G110**

The SINAMICS G110 is a low-power frequency inverter, ideal for small-scale applications such as pumps and fans. Its compact design and low cost make it an attractive option for businesses looking to reduce their energy consumption.

Motor starters

Motor starters are used to control the operation of electric motors. They are typically used in applications where the motor needs to be started, stopped, or reversed. Motor starters are also used to protect the motor from overloads, and they can be equipped with features such as soft starters to reduce stress on the motor.

**MCCs (Motor Control Centers)**

MCCs are used to control and protect motor circuits. They are typically used in applications where multiple motors need to be controlled simultaneously. MCCs are available in a variety of configurations to suit different needs, and they can be equipped with features such as soft starters and protective relay systems.

**Soft starters**

Soft starters are used to provide a smooth startup for electric motors. They gradually increase the power supplied to the motor, reducing stress on the motor and its components. Soft starters are available in a variety of configurations to suit different needs, and they can be equipped with features such as current limiters and overload protection.

Controllers, I/Os, software

**SINAMICS Controllers**

These controllers are used to control the operation of electric motors. They are typically used in applications where the motor needs to be started, stopped, or reversed. Controllers are available in a variety of configurations to suit different needs, and they can be equipped with features such as soft starters and protective relay systems.

**SINAMICS I/Os**

I/Os (input/output) are used to provide a communication link between the controller and the motor. They are typically used to provide feedback on the status of the motor, and they can be equipped with features such as current limiters and overload protection.

**SINAMICS Software**

Software is used to control the operation of electric motors. It is typically used in applications where the motor needs to be started, stopped, or reversed. Software is available in a variety of configurations to suit different needs, and it can be equipped with features such as soft starters and protective relay systems.

Communication

**SIMATIC NET**

SIMATIC NET is the communication system for Totally Integrated Automation. It is used to connect different devices and systems, and it is designed to provide a highly reliable and secure communication link. SIMATIC NET is available in a variety of configurations to suit different needs, and it can be equipped with features such as soft starters and protective relay systems.

Operator control and monitoring

**SINAMICS Operator Panels**

Operator panels are used to provide a visual representation of the status of the motor. They are typically used to provide feedback on the status of the motor, and they can be equipped with features such as current limiters and overload protection.

**SINAMICS HMIs**

HMIs (human-machine interfaces) are used to provide a graphical interface for operators to control the operation of the motor. They are typically used to provide feedback on the status of the motor, and they can be equipped with features such as soft starters and protective relay systems.

Automation and communication

**Profinet**

Profinet is a communication system for Totally Integrated Automation. It is used to connect different devices and systems, and it is designed to provide a highly reliable and secure communication link. Profinet is available in a variety of configurations to suit different needs, and it can be equipped with features such as soft starters and protective relay systems.

Safety systems

**Safety Integrated**

Safety Integrated is used to provide a high level of safety for applications where the risk of injury to personnel or damage to property is high. Safety Integrated is available in a variety of configurations to suit different needs, and it can be equipped with features such as soft starters and protective relay systems.

Power distribution

**SIN-CON**

SIN-CON is the power distribution system for Totally Integrated Automation. It is used to provide a reliable and efficient power supply for all the devices and systems in the automation system. SIN-CON is available in a variety of configurations to suit different needs, and it can be equipped with features such as soft starters and protective relay systems.

Drivers

**Inverters**

Inverters are used to control the operation of electric motors. They are typically used in applications where the motor needs to be started, stopped, or reversed. Inverters are available in a variety of configurations to suit different needs, and they can be equipped with features such as soft starters and protective relay systems.

**Controllers, I/Os, software**

Controllers, I/Os, and software are used to control the operation of electric motors. They are typically used in applications where the motor needs to be started, stopped, or reversed. Controllers, I/Os, and software are available in a variety of configurations to suit different needs, and they can be equipped with features such as soft starters and protective relay systems.

**Communication**

Communication is used to provide a communication link between different devices and systems. It is typically used to provide feedback on the status of the motor, and it can be equipped with features such as soft starters and protective relay systems.

**Operator control and monitoring**

Operator control and monitoring is used to provide a visual representation of the status of the motor. It is typically used to provide feedback on the status of the motor, and it can be equipped with features such as soft starters and protective relay systems.

**Automation and communication**

Automation and communication is used to provide a high level of reliability and security for the communication link. It is typically used to provide feedback on the status of the motor, and it can be equipped with features such as soft starters and protective relay systems.

**Safety systems**

Safety systems are used to provide a high level of safety for applications where the risk of injury to personnel or damage to property is high. Safety systems are available in a variety of configurations to suit different needs, and they can be equipped with features such as soft starters and protective relay systems.

**Power distribution**

Power distribution is used to provide a reliable and efficient power supply for all the devices and systems in the automation system. Power distribution is available in a variety of configurations to suit different needs, and it can be equipped with features such as soft starters and protective relay systems.
**Geared motors**

Our reliable Siemens/Schneider gear unit’s mark maximum efficiency. They are used in most applications up to a few horsepower. New gear unit models are largely competitive, but they do not yet offer the energy-saving potential of the efficiency class EFF2 or EFF1 rated drives. Geared motors are mainly used for applications with smooth motion, since they cannot be overloaded.

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**Inverters**

**MICROMASTER 410**

MICROMASTER 410 is the new inverter family for Siemens geared motors. It offers all the advantages of the SIMATIC ET 200S distributed automation system, including high efficiency, high torque utilization, and low cost. These inverters can be easily configured and commissioned using the SIZER tool, which is available for free. They are compatible with Siemens/Schneider switchgear and can be customized to meet your specific requirements.

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**Controller, I/Os, software**

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**Operator control and monitoring**

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**Safety systems**

**Safety integrated safety products**

Safety integrated products are a key success factor for the safety-related system. With the safety-related system, it is possible to monitor, control, and operate the safety system from a central location. This allows for a highly flexible and scalable safety solution. The system can be configured to meet the specific requirements of the application, ensuring maximum safety and efficiency.

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Conveyor technology references: Automotive

Safety, integrated. Easy, integrated solutions for your safety tasks

Concurrent compliance with ILR and safety standards – this is an increasingly important factor especially in the areas of conveyor technology. With our Safety-Integrated products, which integrate safety technology into standard automation and drive technology, we provide a consistent basis for our safety-relevant products and systems.

This includes both drives and controllers – as well as the open bus systems PROFINET, PROFIBUS and AS-Interface – with the pro2 fieldbus PROFIsafe and ASIsafe, respectively. That way, you can meet more quickly and cost-effectively to the customer’s safety-related requirements – and upgrade your existing machines and plants any time to state-of-the-art safety technology.

Advantages

- Proficient handling of various malfunctions in the system only require a partial shutdown of the conveyer technology. That means employees can return to their routine tasks and maintenance can be performed in high demand.
- The high output required by the integrated control and associated output allows for complete control. Frequent on-off switching signals to notify the service technician and provide concise information about the status of the error occurring a specific error.
- Another compelling advantage are the low maintenance motor starters, which are naturally familiar to anyone working in the world of conveyor motor reliabilities.

Our solution

The SIMATIC ET 200S automation system with PROFINET and for the open loop control system with EMC as in the conveyer plant, combined with WIPPER Panels with M308. The SIMATIC Mobile Panel 1776 is also an integral part of our solution. It is the central pushbutton panel that allows for easy activation. This includes both drives and controllers – as well as the open bus systems PROFINET, PROFIBUS and AS-Interface – with the pro2 fieldbus PROFIsafe and ASIsafe, respectively. That way, you can meet more quickly and cost-effectively to the customer’s safety-related requirements – and upgrade your existing machines and plants any time to state-of-the-art safety technology.

Our Siemens/Flender spur wheel and bevel helical geared motors with 5,100 Nm and 3,000 Nm respectively are operated via MICROMASTER 440 frequency inverters with vector control.

At a height of 35 meters and a length of 140 meters, the plant in Ulm, Germany, the company wanted to upgrade the conveyor technology process – including safety engineering and cabling or fieldbus systems such as AS-Interface, PROFIBUS or PROFINET. We have just the right products and systems for your conveyor technology concept.

With our Siemens/Flender geared motors, SIRIUS motor starters and SINAMICS frequency inverters, we offer you optimally integrated drive components and systems. In connection with distributed automation systems, the operator control and monitoring components SINAMICS HMI, the SIMATIC controllers for controlling the conveyor technology process – including safety engineering and power distribution – are the perfect, flexible automation solution for your conveyor technology concept.

Whether you prefer centralized or distributed solutions, require devices with a low or high degree of protection, use conventional wiring or fieldbus systems such as AS-Interface, PROFINET, PROFIBUS or PROFINET, we have just the right products and systems for your conveyor technology applications.

Conveyor technology references: Automotive

Can body conveyor technology in the automotive industry

The challenge

At a length of 35 meters and a length of 180 meters, the requirements for the conveyor system are exact. In practice, it is therefore necessary to steadily forward the photo to drive. Up to 3,500 bodies are moved ahead with the same amount of energy. Fully loaded cars mean back flip. Starting the conveyor, the bodies are arranged in a specific order. At the end, they are delivered to a rear door to the storage area on the body rack. Of course, absolute reliability and fault-tolerance have maximum priority with this enormous volume.

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Comprehensive solutions: Totally Integrated Automation – our concept for your entire value chain

Advantages for plant operators

- We offer a solid foundation with a complete product portfolio featuring power meters, motor starters and converters, sensors and switchgear, automation devices and everything else you need for efficient conveyor technology applications. Smart commissioning means you can ramp up your plant quickly.
- The high quality of our products and comprehensive tests ensure high availability. Furthermore, our service engineers reduce downtimes and conversion times.
- The simple expandability of our systems and fast exchange phases, laying out components, setting up power supply and distributing power systems with a high degree of protection for components, for instance, with uniform interfaces or standard products and customized systems and services.
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Total Integrated Automation

- The plant-wide approach for conveyor technology applications.
- Smooth automation devices and everything else you need for conveyor technology applications.
- With this configuration, the luggage conveying system places the baggage to the airplane loading station via the sorter and slides. Especially high speeds up to 10 m/s. Finally, the baggage is fed to the airplane loading table via the roller chain and the slides.

Advantages for mechanical engineers and plant operators

- With continuously increasing airport traffic and a flood of new and efficient conveyor technologies, the efficiency potentials for conveyor technology applications are enormous. Our innovative, continuously improving power supply, distribution control and everything else you need for conveyor technology applications.
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Totally Integrated Power:

- Our Totally Integrated Power (TIP) concept offers you integrated power distribution and management from one source.
- Automation devices and everything else you need for conveyor technology applications.

Comprehensive solutions: Totally Integrated Automation

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The challenge:
Products are transported from one production hall to another by means of conveyor and handling technology.

Our solution:
SACHSENVOLK M222 sensor network senses to avoid the dead zones.

Advantages:
Thanks to precise color coding, none of the packages in the transfer process can lie too far to the wrong way. Since the included color area sensors can be taught to recognize up to 16 different colors at once, the sensors can identify the relevant area of the product and project it into the monitoring zone. Which test, the work and experience involved in varying a minimum of 100% to logo up and no programming is required.

Examples of conveyor technology applications for storage in food & beverage industry:
- Goods retrieval including a unit load handling system
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Order picking:
- Container conveyor technology cost less compared
- Preselection using barcode scanning
- Goods retrieval including a unit load handling system

Whether you handle packages, crates or bulk and work with automatic guided vehicle systems, we deliver a customized automation and drive solution for efficient and cost-effective storage in material handling. Whether goods you need to store, or what means of transport you need to use.

Examples of conveyor technology applications for order picking in food & beverage industry:
- Container conveyor technology cost less compared
- Preselection using barcode scanning
- Goods retrieval including a unit load handling system

Whether your plant uses roller, belt or chain conveyors, lifting stations, sortable conveyor belts, storage retrieval machines, mezzanine conveyors or circular buffers, we serve as a reliable partner for any application.

Conveyor technology processes:
Storage – permanently securing your lead
Order picking – unleashing the full potential
Conveyor technology processes:
Conveying – permanent acceleration of productivity

Conveying means transporting goods or products horizontally or vertically from one place to another. Wherever the distance is too great to move the items quickly and reliably as possible since transport time is actually unproductive time. Therefore, the stakes are even higher for production lines in the automotive industry, for example, drives need to be exactly positioned and an identification system must be in place to reliably track production processes. Increasing personal safety is another important issue. If the conveying process is stopped into a uniform order control and automation system, it is possible to make a markedly higher throughput at the end of the line.

Examples of conveyor technology applications for assembly lines in the automotive industry:
- Minimal overhead conveyors
- Automatic guided vehicle systems (AGVS)
- Belt conveyor technology with roller conveyors, rotary tables, Flexy stations, etc.
- Sliding platform systems

Conveying means arranging goods according to defined characteristics. In the case of bulk goods, for example, sorting involves strict requirements to ensure smooth sorting and proper management of luggage for numerous airplanes that need to be handled and activated. An additional logistical challenge for bulk goods is dealing with a high amount of transfer luggage that is then handled in successive annual departures. These requirements demand highly transportable, fast and reliable conveyors with high capacity, as well as accurately dimensioned buffer capacities. In automated conveyors, high-performance automation technology, precise luggage identification and highly dynamic drives ensure that the right luggage is delivered to the right loading stations at the right time.

Examples of conveyor technology applications for airport logistics:
- Check-in
- Conveyor belt systems
- Tray conveyors
- Lift-transfer units
- Baggage claims conveyor technology

Conveyor technology processes:
Sorting – on-target organization of efficiency

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Dematic is a global leader in providing solutions in the logistics and material handling industries servicing a wide range of industries. Dematic has decades of experience in building storage and retrieval machines. Its comprehensive product range with WebAccess, modularly designed components has the perfect storage and retrieval technology for warehouse automation. They all share a cost-effective, rugged and durable design that meets the most extreme demands for performance and availability.

The proven and field tested control system behind Dematic storage and retrieval machines is based on the SIMATIC industrial PC and the SIMATIC S7 controllers. As an open automation technology, Dematic relies on the modular SIMATIC S7 drive system with the compact SIMOTION Motion Control, based on the SIMATIC S7-300, the SIMATIC S7-400 and the SIMATIC ET 200pro. SIMATIC is used in conjunction with the appropriate plug-in units with the necessary drive performance to ensure the necessary robustness for each individual application.

The controller and the SIMATIC Motion control system communicate via PROFINET – which is powerful enough to manage effective interoperability with different application needs. Depending on the dynamic requirements, they are equipped with standard or fieldbus interfaces. The connection is made by SIMATIC S7 via a master or vector control. The number of individual storage bays is integrated into the automation solution and tied to one another via SIMATIC and SIMATIC-HMI technology for seamless integration.

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Advantages

- Solutions for individual needs – no limits to innovation for SIMATIC
- Thanks to the maximum transparency in relation to the logistical flows and logistics processes, the SIMATIC industrial PC, via SIMATIC-PROFIBUS and the SIMATIC ET 200pro, allows for quick access to all data at any one time – and SIMATIC can set new limits to visualization using SIMATIC HMI technology.
- Solutions for individual needs – no limits to innovation for SIMATIC

Whether you need a solution in the automotive or food & beverage industry, in airports, postal and package distribution centers or general intralogistics, our standardized yet customized products and systems are the right solution for your conveyor technology applications in any industry.

Examples of conveyor technology applications for airport logistics:
- Check-in
- Conveyor belt systems
- Tray conveyors
- Lift-transfer units
- Baggage claims conveyor technology

Whether you need to convey, sort, store or pick, we work with you to bring your processes up to their full potential no matter what the task – quickly and reliably.

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PROFIBUS communications.

CP 343-5 communications processors – and through high-speed level controllers exchange information via standardized SIMATIC to localize them along the 500-meter track. Furthermore, all the OP3 Operator Panel. The RF identification system Moby D is used monitoring for the individual chassis is provided by a SIMATIC powerful asynchronous motors. Easy operator control and MICROMASTER 440-series frequency inverters as well as two controllers S7-300 CPU 313C. They are combined with automation system, the hospital chose SIMATIC. The core within the scope of comprehensive modernization of the availability of its production facilities.

One crucial element of the comprehensive modernization of the production at Rexam in Nienburg is based on individual Visual Basic scripts which were implemented in ProTool/Pro.

Advantages

- The ProTool/Pro user interface was easy to transmit to all six production lines at the cold end. This reduced the engineering overhead by roughly 20%.
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- The drives are largely preconfigured, meaning the ProTool/Pro ensure trouble-free visualization and transport objects as quickly as possible from Point A to Point B.
- While the SIMATIC Panel PC 670 ensure trouble-free visualization, the ProTool/Pro ensure trouble-free visualization and transport objects as quickly as possible from Point A to Point B.
- The software ensures maximum transparency in all process steps. The software ensures maximum transparency in all process steps.
- Furthermore, intelligent configuration and visualization software ensures maximum transparency in all process steps.
- It sets the speed and individual setpoint values for the individual drives, reads out the updated current values, monitors limits and compiles important process data.
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- The technology applications in a variety of different industries.
Conveyor technology:  
Moving industries to new heights

What you can expect:

I Greater productivity, increased profitability – with an integrated product portfolio and comprehensive solutions
II Lower operating costs – through targeted minimization of energy requirements
III Higher plant availability – through higher product quality, reliable support from a single source and fast spare parts service
IV Complete protection of investments – through customized services, including training
V New possibilities for modifications and expansions – through a scalable portfolio and modular system components

The right solution for any conveyor technology application

Whether airports, automotive, food & beverage or warehouse & logistics, we offer customized solutions for any industry where conveyor technology applications are used. In addition to automation and drives, we can supply the right products and systems for many other sectors and industries. Our network of products and services features everything you need for more mobility in your conveyor technology. We’d be glad to consult you personally on your individual potential.

Anytime, anywhere – service without borders

Whether you need your drive sent to you just-in-time or you require delivery, assembly, commissioning or maintenance, our experts are always there to serve you. All over the world, directly on site – and in over 130 countries. You benefit from shorter delivery times. Thanks to our optimized logistics and production processes, each and every component reaches you as quickly as possible.

You can even place your orders over the Internet. At www.siemens.com/automation/mall, you can find a clear overview of all our products. And with EDIFACT, you can complete the entire ordering process online.

But we are also glad to provide the personal assistance you need. If you want support from a service specialist, or want to order spare parts, or just have a question, through our hotline you’ll obtain optimum consulting services.

Helpline for Service & Support:

www.siemens.com/automation/service&support  0180 5050222

http://automation.siemens.com/partner  0180 5050111
Want more information? We’d be happy to help!
Please check the information packages you’re interested in:

- Geared motors
- Converters/inverters
- Motor starters
- Controllers
- Communication
- Human Machine Interfaces (HMI)
- Sensors
- Safety Integrated
- Power distribution

Solutions for any requirements:
Conveying you to an integrated success

Want more information?
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Please check the information packages you’re interested in:

You can find up-to-date information on our products and solutions for conveyor technology applications on the Internet at:
www.siemens.com/conveyor-technology

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