



Total Solutions for
Productivity
Achievement

FACTORY AUTOMATION SOLUTIONS



Segment | **Consumer Goods**
Food & Beverage
Pharmaceuticals & Chemicals



TAN PHAT AUTOMATION JSC (TPA) Being a member of Tan Phat Technology Equipment Joint Stock Company, established in 2006, TPA operates in:

- 1. FAS: FACTORY AUTOMATION SOLUTION**
- 2. ETS: EDUCATION OF TECHNOLOGY SOLUTIONS**
- 3. LAS: LIFE/ UTILITY AUTOMATION SOLUTIONS**
- 4. WLS: WAREHOUSE LOGISTICS SOLUTIONS**

The company has a team of design engineers with many years of experience in the fields of mechanics, electricity, electronics, automation. We provide automation solutions, industrial machines and equipment with the aim to improve productivity and quality with reasonable prices, committed to delivery time on schedule.

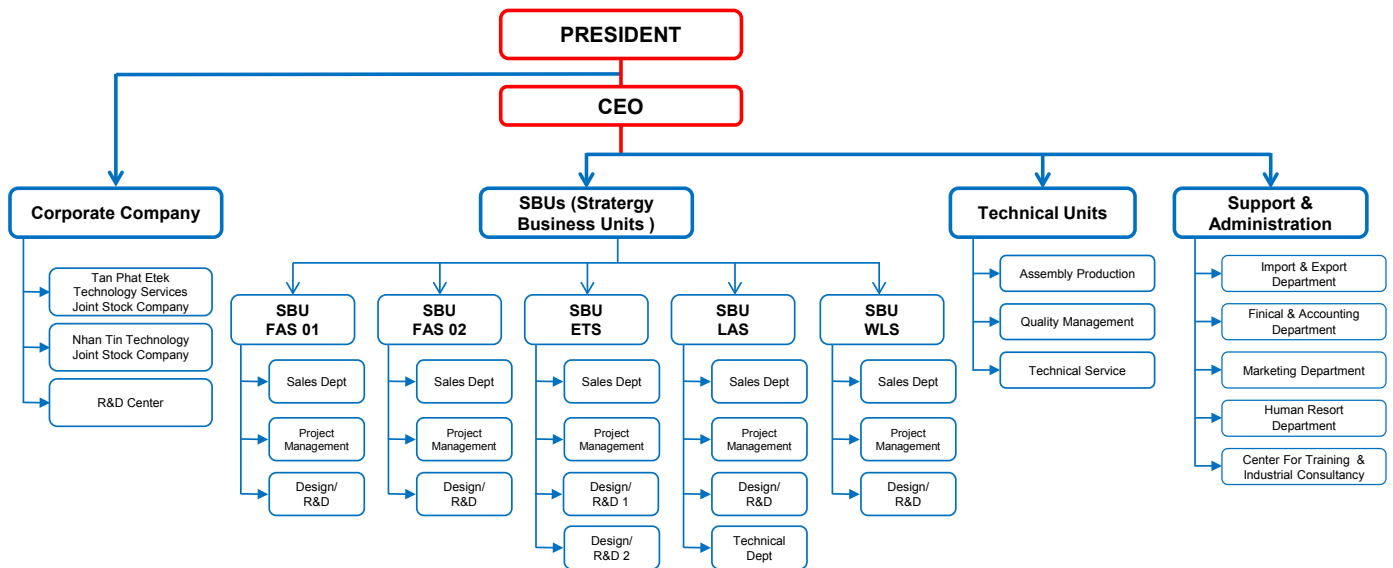
Founded Year: 2006

Address: No 189 Phan Trong Tue Road, Thanh Liet Ward, Thanh Tri Dist, Ha Noi City

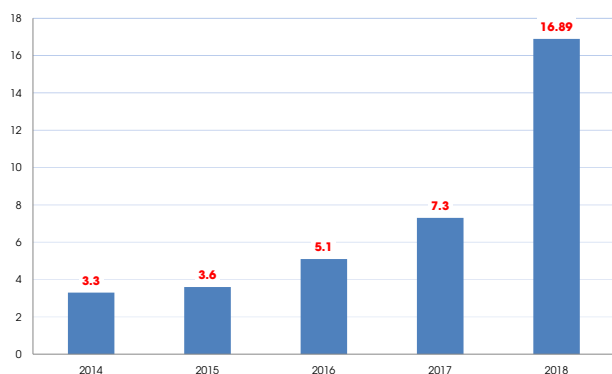
Office: Lot E1 - High-tech Zone, Hanoi Highway, Tan Phu Ward, District 9, Ho Chi Minh

Certificate: ISO 9001:2015 , CE 12601:2001

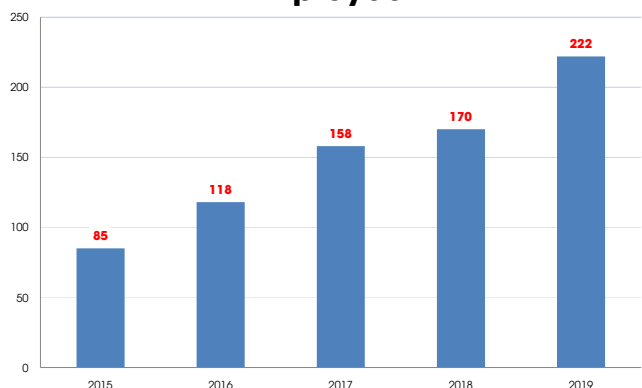
CERTIFICATE:



Revenue (Million \$)



Employee



1. Office



2. TPA's Ho Chi Minh Office



3. Assembly Production



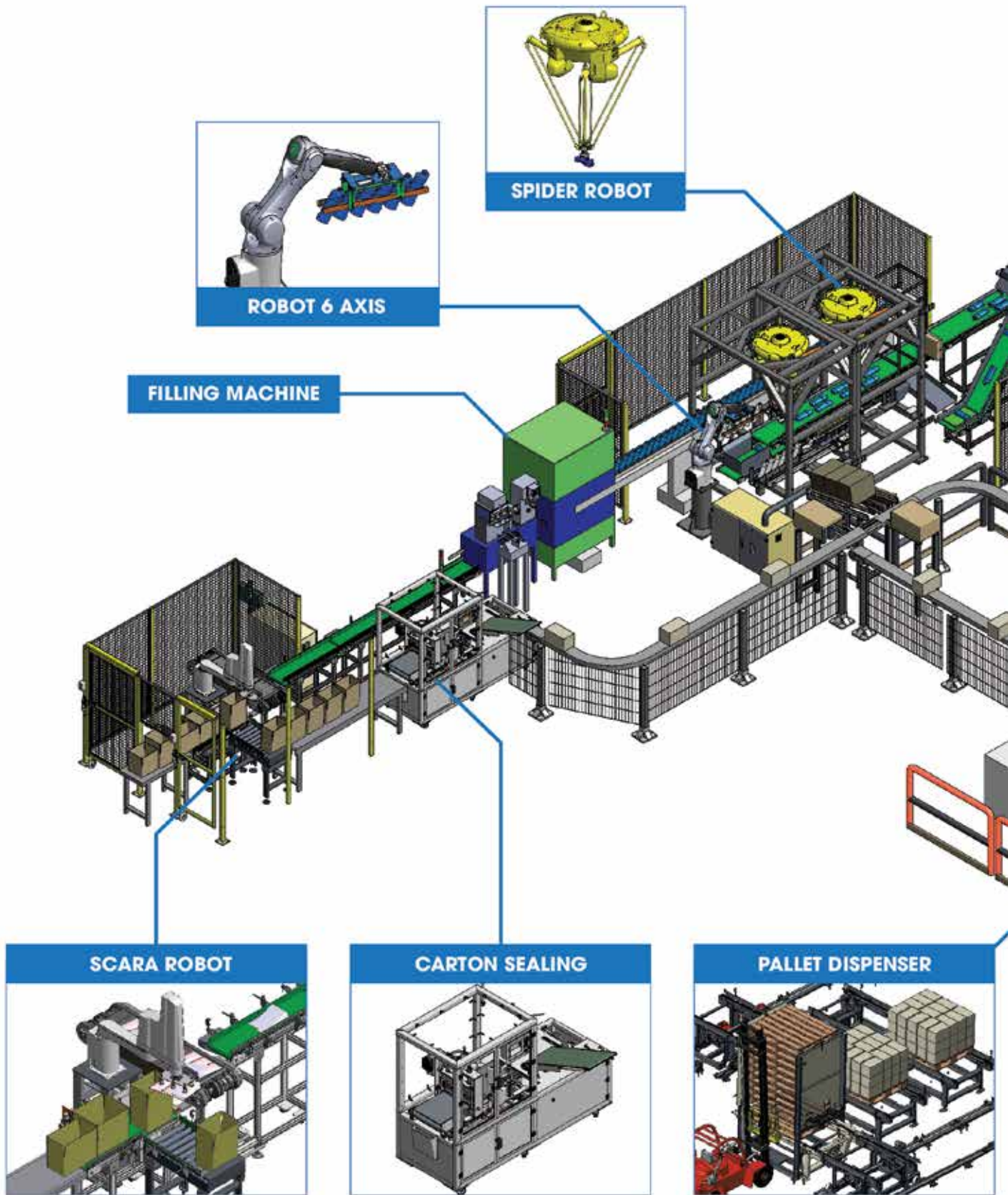
No	SOLUTIONS	APPLICATION
1	Intelligent conveyor systems	<ul style="list-style-type: none"> • Puck conveyor system used in Pharmaceutical - Chemical industry • High-rise conveyor makes it easy to travel around consumer goods factories • High-speed conveyor in the food industry with U-shaped and S-shaped curves • Spiral Elevator conveyor system brings products up to save space
2	AGV Systems	<ul style="list-style-type: none"> • Truck AGV system leads the way with magnetic tape • AGV Towing System • Forklift AGV system detects itself by Laser • Dragging AGV system leads the way with Barcode
3	Picking - Packing Systems	<ul style="list-style-type: none"> • The robot automatically picks up the cake into the tray • Universal Robot application automatically crates eggs • Automatic packaging of liquid products • Automatically close 2 product containers with spider robot
4	Palletizing Systems	<ul style="list-style-type: none"> • Palletizing System • Depalletizing System • The combination of Flexlink conveyor and Universal Robot • The UR10 with Zero stand design can be folded in 2 pallets
5	Filling systems	<ul style="list-style-type: none"> • Extraction of 2-component materials • The system can extract materials with a hardness of up to 7,000,000 cps/ mPas • Application Universal robot and ViscoTec Spray spray protection circuit board • Automatic glue applicator
6	Bonded inspection system and barcode reading	<ul style="list-style-type: none"> • Automatic capsule inspection system • Check Lot: Production, production, date, expiry date • Automatic bar code inspection and classification system • Product size measurement solution
7	Automatic Printing - Labeling systems	<ul style="list-style-type: none"> • Inkjet printing system of code, wide-format product information • The inkjet system expires on soft drink cans • High-speed laser engraving system on water bottles • Automatic labeling system
8	IoT Systems	<ul style="list-style-type: none"> • Production Management • Track and Trace • Enterprise Integration • Plant Performance Management • Digital Workflow Management • Empowerment and Mobility
9	Warehouse Logistics Solutions	<ul style="list-style-type: none"> • Baracket type racking system • Unit rack • Building rack • Warehouse Management Software WMS
10	Standard Machine	<ul style="list-style-type: none"> • Tube filling machine • Stacker & Bagger diapers machine • Very high resolution digital printing system • Automatic palletizer machine • Forming machine for pharmaceutical bags • Optical inspection machine for pharmaceutical bags • Filling machine for 'BRICKPouch' style pouches • Multi-style wrap-around carton sleever

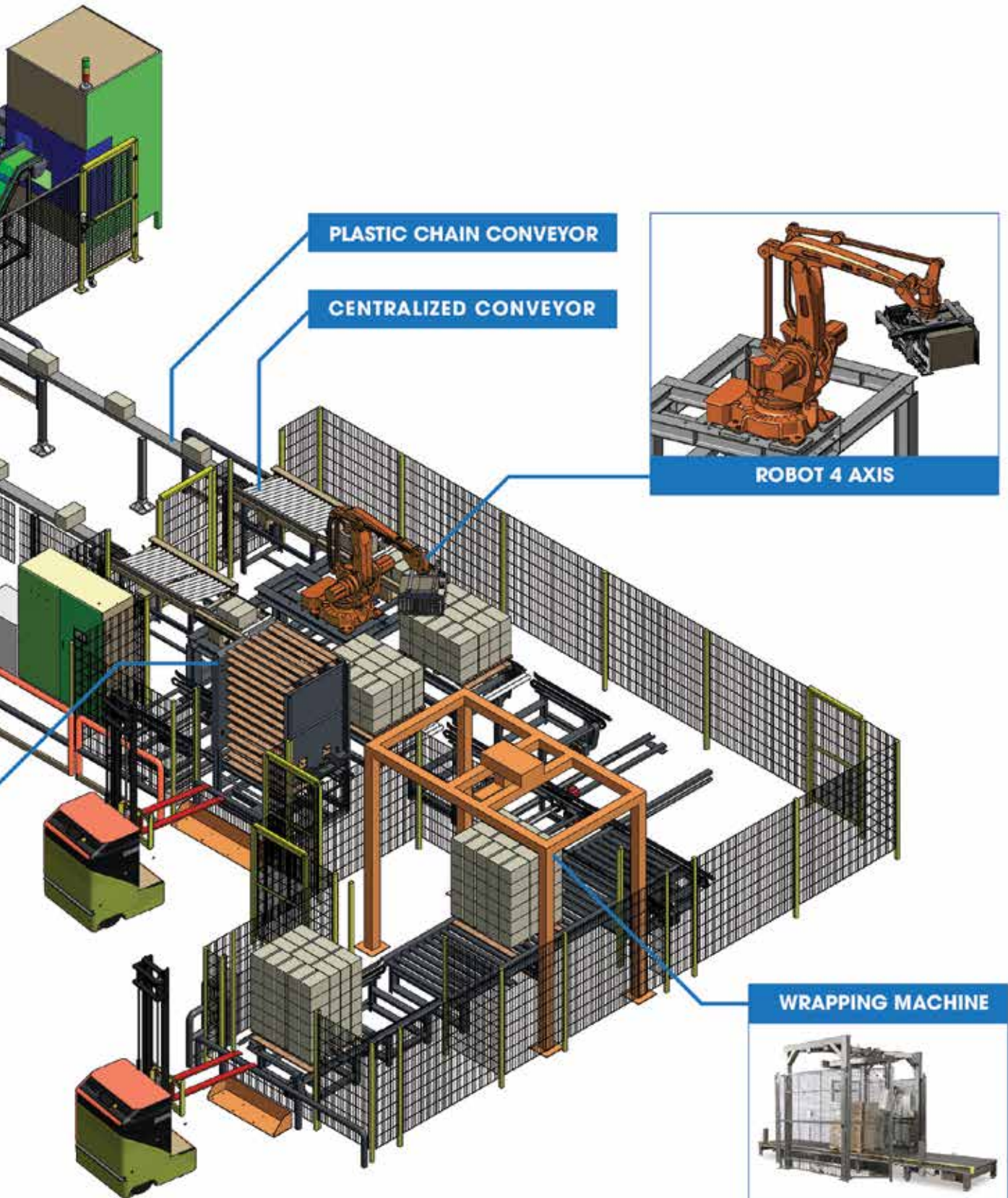
PARTNERS



CUSTOMERS









TPA is a representative of Flexlink - a member of the Coesia Group, - Italia on a conveyor chain system. Reaching speeds up to 40m / min, Flexlink conveyor systems can meet the most stringent European quality standards in the pharmaceutical, food and chemical industries.

Intelligent conveyor system meets all requirements:

- Easy to remove and replace or change layout
- The ability to go up - down, go perpendicular or clamp the product
- Move easily in confined spaces



Puck conveyor system used in Pharmaceutical - Chemical industry



High-rise conveyor makes it easy to travel around consumer goods factories



High-speed conveyor in the food industry with U-shaped and S-shaped curves



Spiral Elevator conveyor system brings products up to save space



With a magnetic tape system, barcode or laser system, the AGV system will help you to carry out the transport of heavy goods easily from one place to another to help you save and optimize costs more than ever. , stable operation, durability and extremely low maintenance costs.

AGV can stop or pause at pre-programmed stations / stations and can charge the battery automatically when returning to the destination station. In this way, the goods are transported from the raw material warehouse to the production site, from this production unit to the next production unit, from the final production unit to the finished product store or from the finished product warehouse. shipment location.



Truck AGV system leads the way with magnetic tape



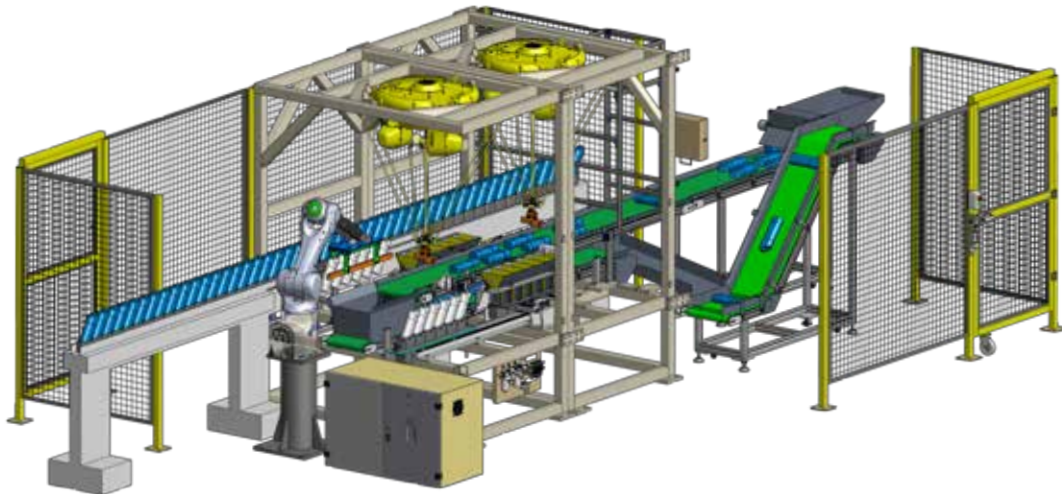
AGV Towing System



Forklift AGV system detects itself by Laser



Dragging AGV system leads the way with Barcode



Picking system is a gripping application - placing products from a fixed position or mobile position (on a conveyor belt) to another location. The system can be applied Collaborative robot (Cobot), spider robot, industrial robot to increase productivity for transmission line.

The packaging system is integrated from automatic bagging system, automatic barrel sealing and barrel filling system.

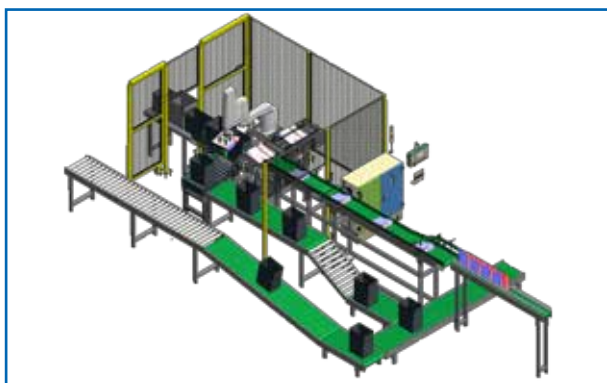
Depending on the application and customer requirements, TPA will integrate the latest and most advanced technologies into a picking - packing system based on available production lines to help improve productivity, quality and reduce costs.



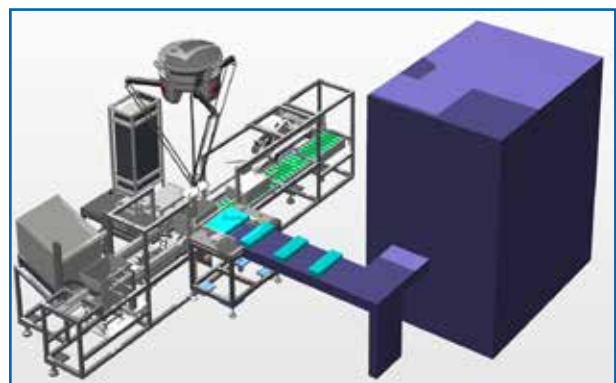
The robot automatically picks up the cake into the tray



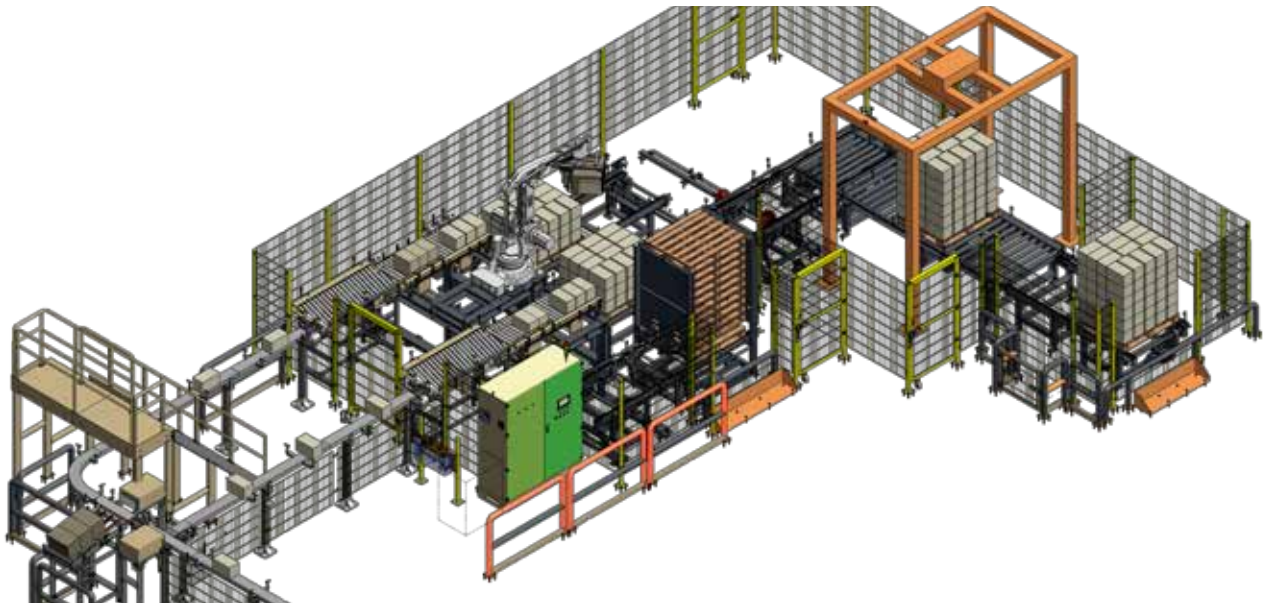
Universal Robot application automatically crates eggs



Automatic packaging of liquid products



Automatically close 2 product containers with spider robot



The palletizing system is integrated at the end of the production line in factories of food - beverages, consumer goods, pharmaceuticals - chemicals to solve problems in production lines with output. After the end of each production line, the product is packed, then packed into an automatic pallet loading system.

The palletizing robot is responsible for arranging products in the form of boxes or pallets in stacking ways and different layers are programmed according to factory ex-factory standards.



Palletizing System



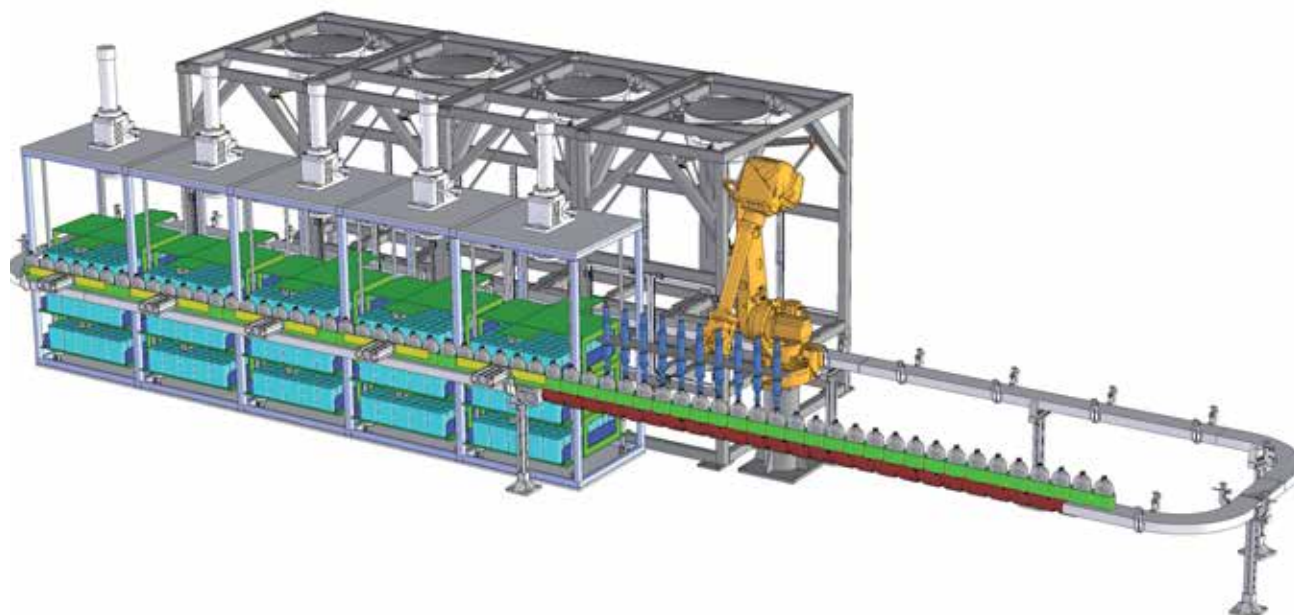
Depalletizing System



The combination of Flexlink conveyor and Universal Robot

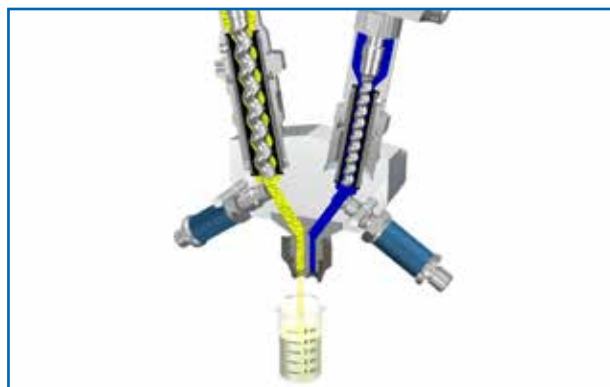


The UR10 with Zero stand design can be folded in 2 pallets



The filling system based on the principle of twisting pump makes the material pumped, quantified accurately, continuously, gently, not destroyed even with high viscosity materials or solid grain materials. completely, to avoid dripping by rotating rotation, this helps you control the pumping and dosing process accurately and comprehensively.

With TPA filling system you can apply in all areas such as food - beverages, pharmacy - cosmetics, laboratories, electronic components or Solar technology.



Extraction of 2-component materials



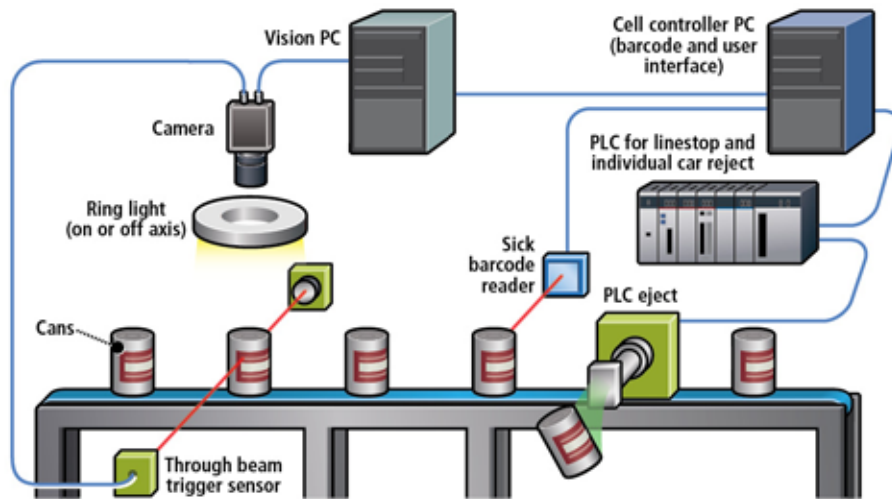
Automatic glue applicator



Application Universal robot and ViscoTec Spray spray protection circuit board



The system can extract materials with a hardness of up to 7,000,000cps / mPas



The bonded inspection system helps companies improve product quality, eliminate manufacturing errors, reduce production costs, and exceed consumer expectations for high quality products at affordable prices. Reasonable typical applications of vision machines include defect detection, production line monitoring, robot assembly instructions and tracking, classification and identification of parts.

Barcode reader system capable of reading 1D, 2D, Data matrix or QR codes with fast speed and high accuracy. Applied in identification and classification of products, access origin helps businesses improve product quality and manage materials and goods.



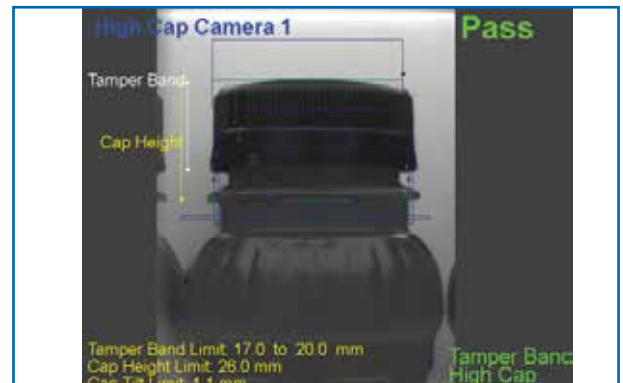
Automatic capsule inspection system



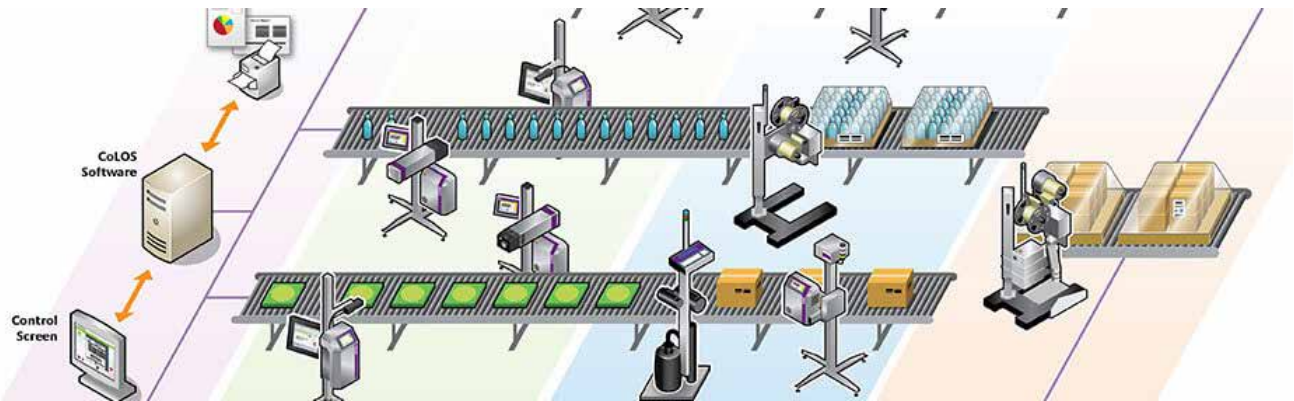
Check Lot: Production, production date, expiry date



Automatic bar code inspection and classification system



Product size measurement solution



Automatic laser marking - labeling and engraving system can be applied in most manufacturing industries such as food - beverages, pharmaceuticals - chemicals, consumer goods or electronic and electronic components and umbrella. motorbikes - motorcycles.

The marking and laser marking system can meet the most stringent requirements of customers by using a high quality, fast speed print head system that can print on most materials such as paper and plastic. Different size metals always meet the increasing quality control requirements in the factory.



Inkjet printing system of code, wide-format product information



The inkjet system expires on soft drink cans



High-speed laser engraving system on water bottles



Automatic labeling system



All these incidents can now be easily alerted on your computer or mobile device only through an IoT device. Wherever you go for business, at any time, we can control the operating status of machines or working environments: vibration, humidity, temperature, pressure, velocity, intensity light, flow, ... help us to make accurate decisions, gather and analyze data in the long term to improve the life of the device and not to affect productivity, product quality

IoT system application helps the factory control activities:

- Production Management
- Inventory Operations Management
- Bill of Material and Recipe Management
- Track and Trace
- Enterprise Integration
- Quality Operations
- Plant Performance Management
- Digital Workflow Management
- Empowerment and Mobility
- Improvement



TPA PRODUCTS



Barcket type racking system



Unit rack



Building rack

WAREHOUSE MANAGEMENT SOFTWARE WMS

All movement and operation in the warehouse will be controlled and monitored on the computer and smartphone application..



SOME SOLUTIONS FOR WAREHOUSE



Warehouse model for the beverage industry



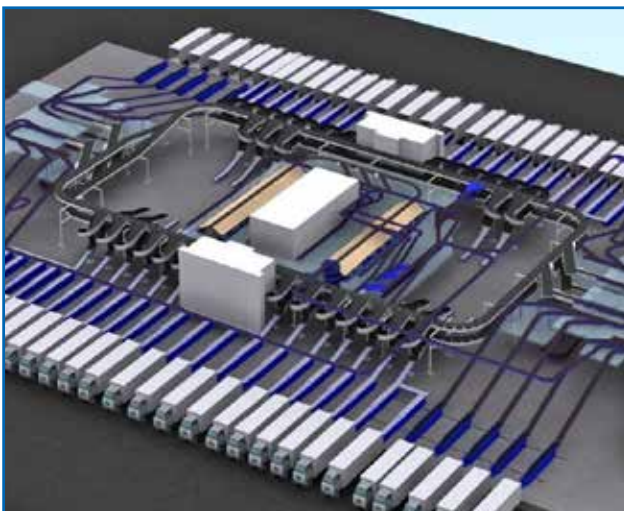
Model of warehouse in the airport



Distribution/ Parcel Service



Warehouse model in the garment industry



Dedicated logistics warehouse



Warehouse in the airport

CONSUMER SEGMENT



High speed bucket feed conveyor



Tube filling machine



Horizontal continuous motion cartoner



Stacker & Bagger diapers machine

BUILDING MATERIALS SEGMENT



Very high resolution digital printing system



Vision system for tone detection



Flexible packaging system



Automatic palletizer machine

PHARMACEUTICAL SEGMENT



Forming machine for pharmaceutical bags



Filling machine for pharmaceutical bags



Optical inspection machine for pharmaceutical bags



Print-mat laser engraver

F&B SEGMENT



Aseptic cartons filling machine



Cap Applicators



Filling machine for 'BRICKPouch' style pouches



Multi-style wrap-around carton sleever

CONTACT US



Total Solutions for
Productivity
Achievement

TAN PHAT AUTOMATION JSC

Tel: 024 3685 7776 | Hotline: 0983468808 | Email: nghia.vd@tpa.com.vn
Add: 189- Phan Trong Tue Road, Thanh Liet Ward, Thanh Tri Dist, Ha Noi, Viet Nam
Office: Lot E1 - High-tech Zone, Hanoi Highway, Tan Phu Ward, District 9, Ho Chi Minh

www.tpa.com.vn

