



Total Solutions for  
Productivity  
Achievement

# FACTORY AUTOMATION SOLUTIONS



Segments | Electronics  
Automotive Parts



[www.tpa.com.vn](http://www.tpa.com.vn)



**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

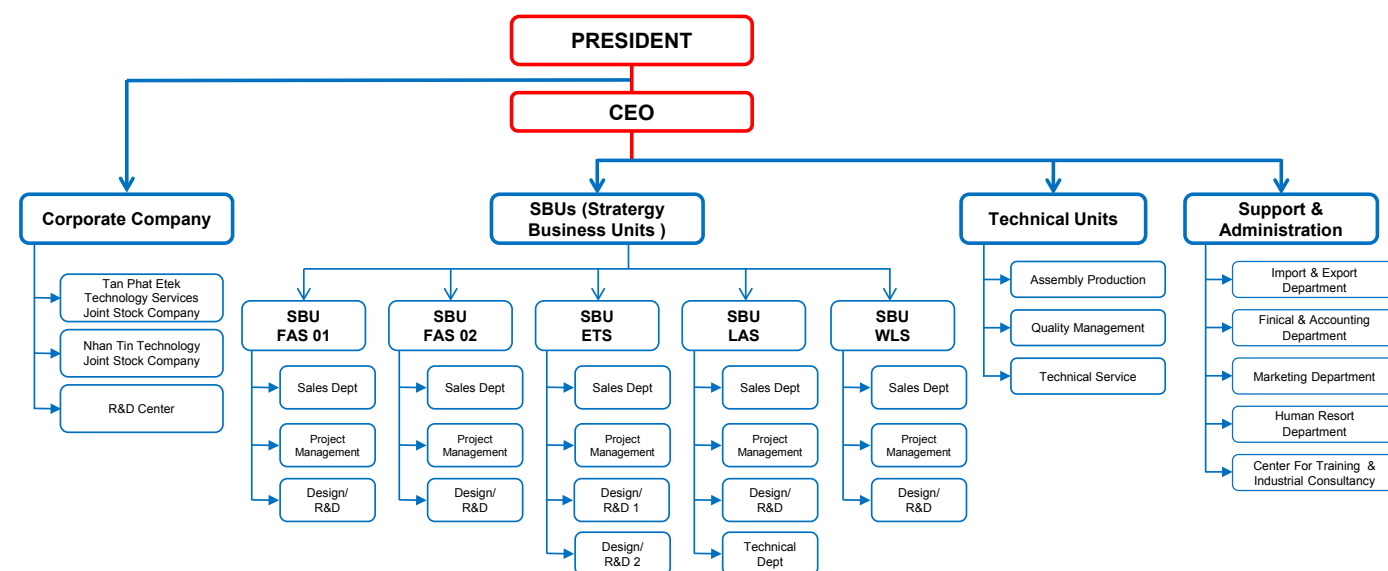
**Website:** [tpa.com.vn](http://tpa.com.vn)

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

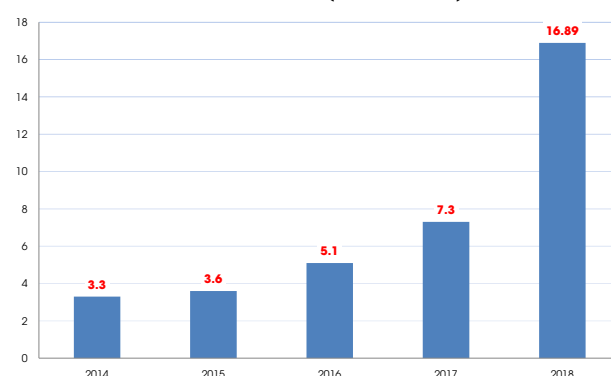
**Office:** Lot E1 - High-tech Zone, Hanoi Highway, Tan Phu Ward, District 9, Ho Chi Minh

**Certificate:** ISO 9001:2015 , CE 12601:2001

## ORGANIZATION:

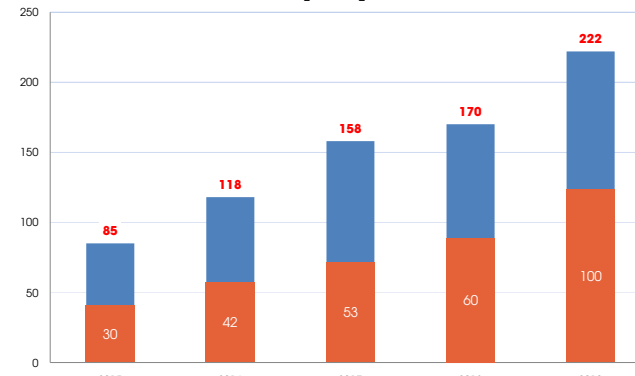


**Revenue (Million \$)**



**Employee**

Engineers



## 1. Headquater



## 2. Office at Ho Chi Minh



## 3. Assembly Workshop



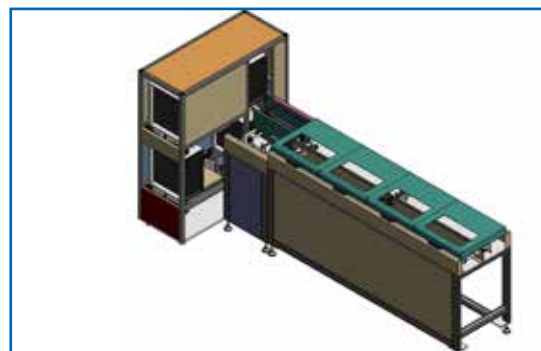
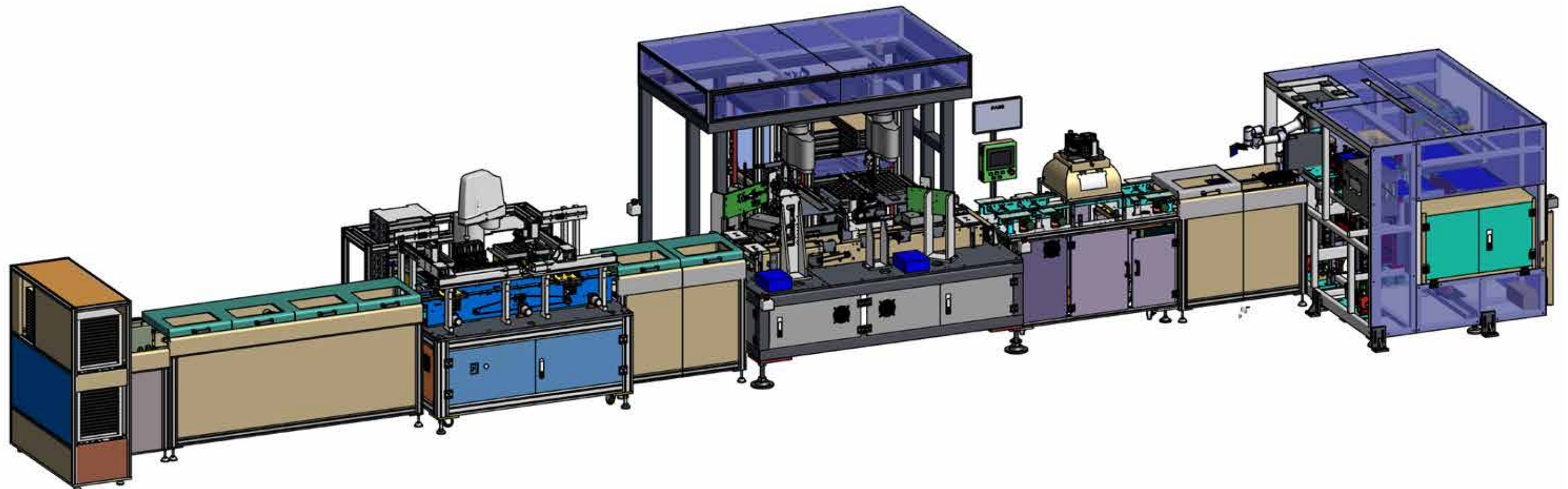
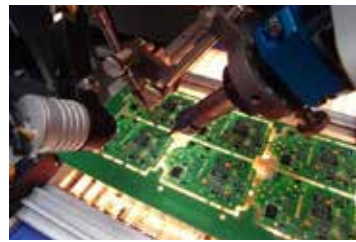
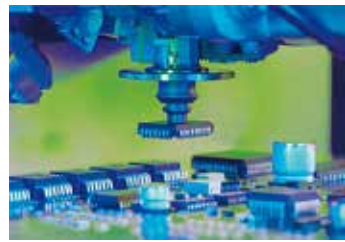


No	SOLUTIONS	APPLICATION
1	Solution for PCB Assembly	<ul style="list-style-type: none"> <li>• Loader + Transfer</li> <li>• Inserting</li> <li>• Assembly</li> <li>• Checking</li> <li>• Auto Boxing</li> <li>• Gluing</li> </ul>
2	Automation Assembly Solution	<ul style="list-style-type: none"> <li>• Robot Screwing</li> <li>• Automatic Screwing</li> <li>• Inspection</li> <li>• Cobot Assembly</li> <li>• Auto Inserting</li> <li>• Laser</li> <li>• Press</li> <li>• Transfer</li> <li>• Scan Code</li> <li>• Gluing + UV</li> </ul>
3	Automation Solution for Machining Industry	<ul style="list-style-type: none"> <li>• Casting</li> <li>• Bavia/ Runner Cutting</li> <li>• Laser Marking</li> <li>• Robot Checking</li> <li>• CNC Machine Tending</li> </ul>
4	Turnkey Solutions	Design consultancy, build solutions, deploy fabrication, installation, operation, transfer, service <ul style="list-style-type: none"> <li>• Automatically supply materials</li> <li>• Automatic shipping</li> <li>• Automatically check materials</li> <li>• Automatic machining assembly</li> <li>• Automatically check finished products</li> <li>• Automatically arrange finished products on Pallet</li> </ul>
5	IoT	<ul style="list-style-type: none"> <li>• Production Management</li> <li>• Inventory Operations Management</li> <li>• Bill of Material and Recipe Management</li> <li>• Track and Trace</li> <li>• Enterprise Integration</li> <li>• Quality Operations</li> <li>• Plant Performance Management</li> <li>• Digital Workflow Management</li> <li>• Empowerment and Mobility</li> <li>• Improvement</li> </ul>
6	Warehouse Logistics Solutions	<ul style="list-style-type: none"> <li>• Bracket type racking system</li> <li>• Unit rack</li> <li>• Building rack</li> <li>• Warehouse Management Software WMS</li> </ul>
7	Automation Equipment	<ul style="list-style-type: none"> <li>• Collaborative Robots,</li> <li>• Camera</li> <li>• Code Reader</li> <li>• Conveyor</li> <li>• Dispenser</li> <li>• Printer, AGV</li> </ul>

**PARTNERS**

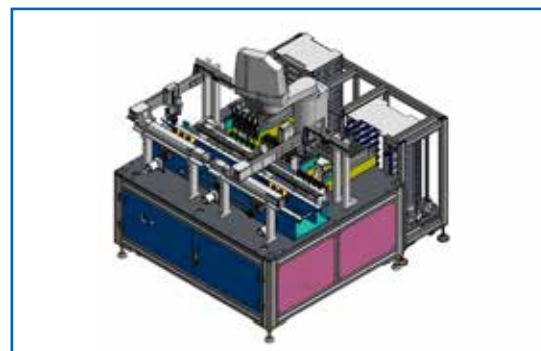
**CUSTOMERS**



#### LOADER + TRANSFER

Automatic circuit board system, transporting the circuit to the next stage



#### INSERTING

The system automatically takes components from the tray to the product then plugs into the circuit board



#### ASSEMBLY

Automatic assembly system, glue application, UV irradiation, screw firing



#### CHECKING

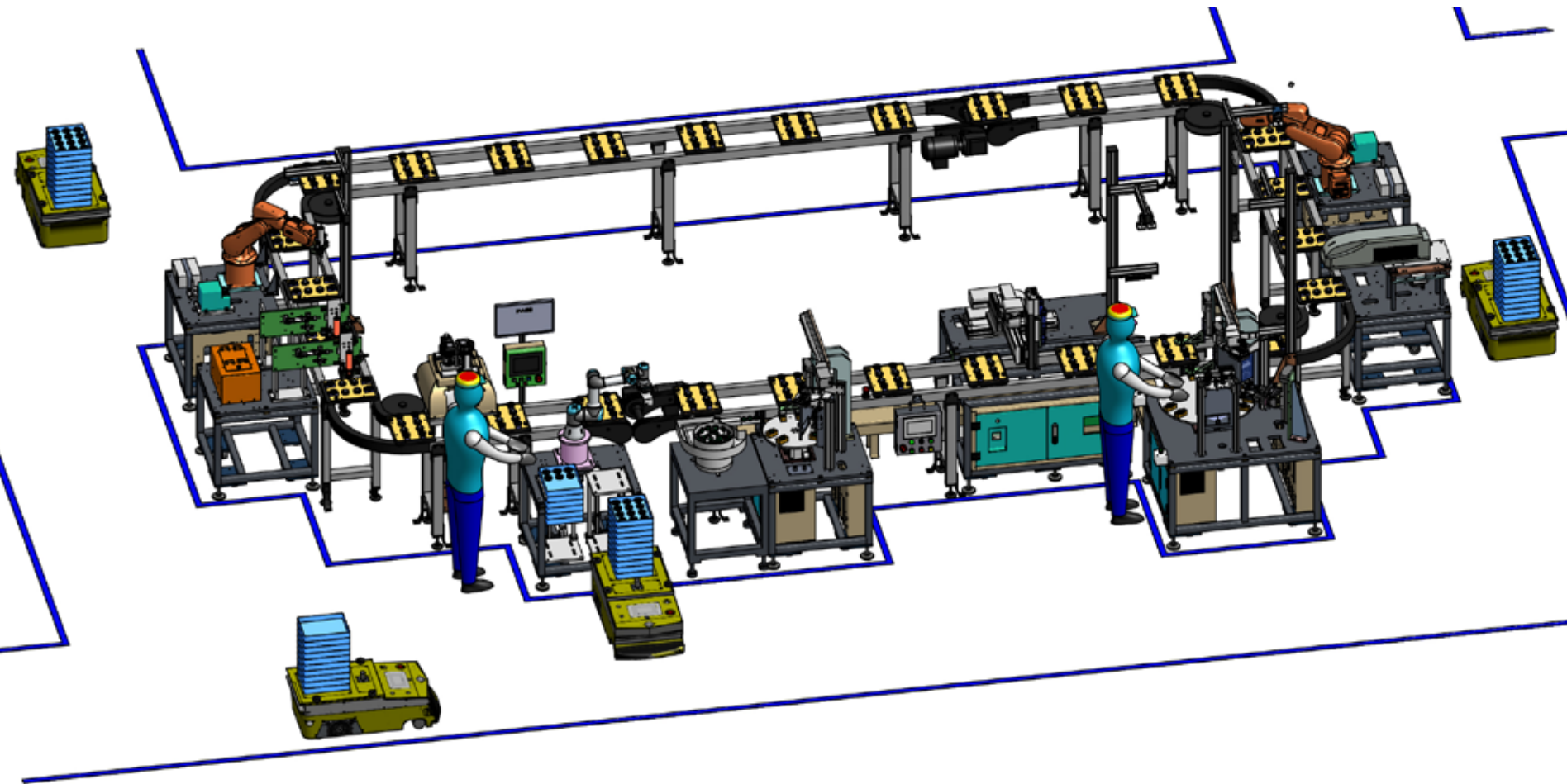
The system automatically checks for errors in product shortages and quality



#### AUTO BOXING

Automatic system provides tray, box and put product on tray, box




**GLUE/PRESS**

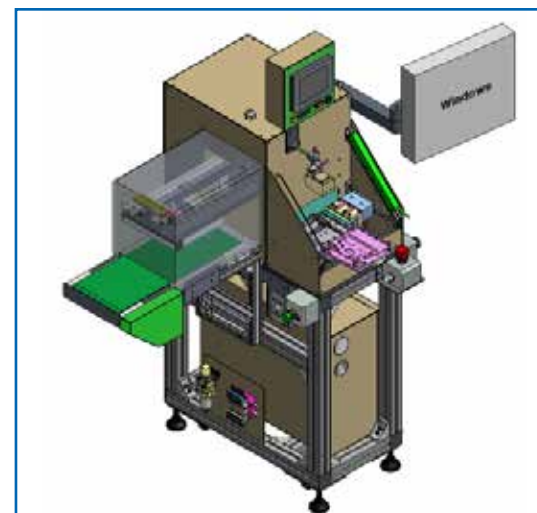
Automatic glue, controlling the amount of glue, pressed products


**GLUING**

Automatically dispensing glue, control the amount of glue required  
1 - component glue  
2 - component glue


**ASSEMBLY**

Automatically check input components, assembly, molding, quality inspection after assembly.


**INSPECTION**

Automatically check the quality of products: Check feature, check bonded

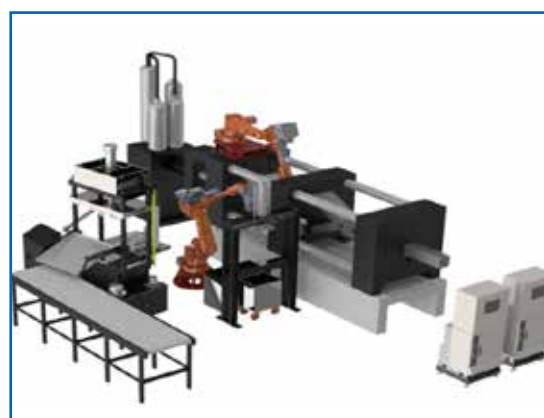
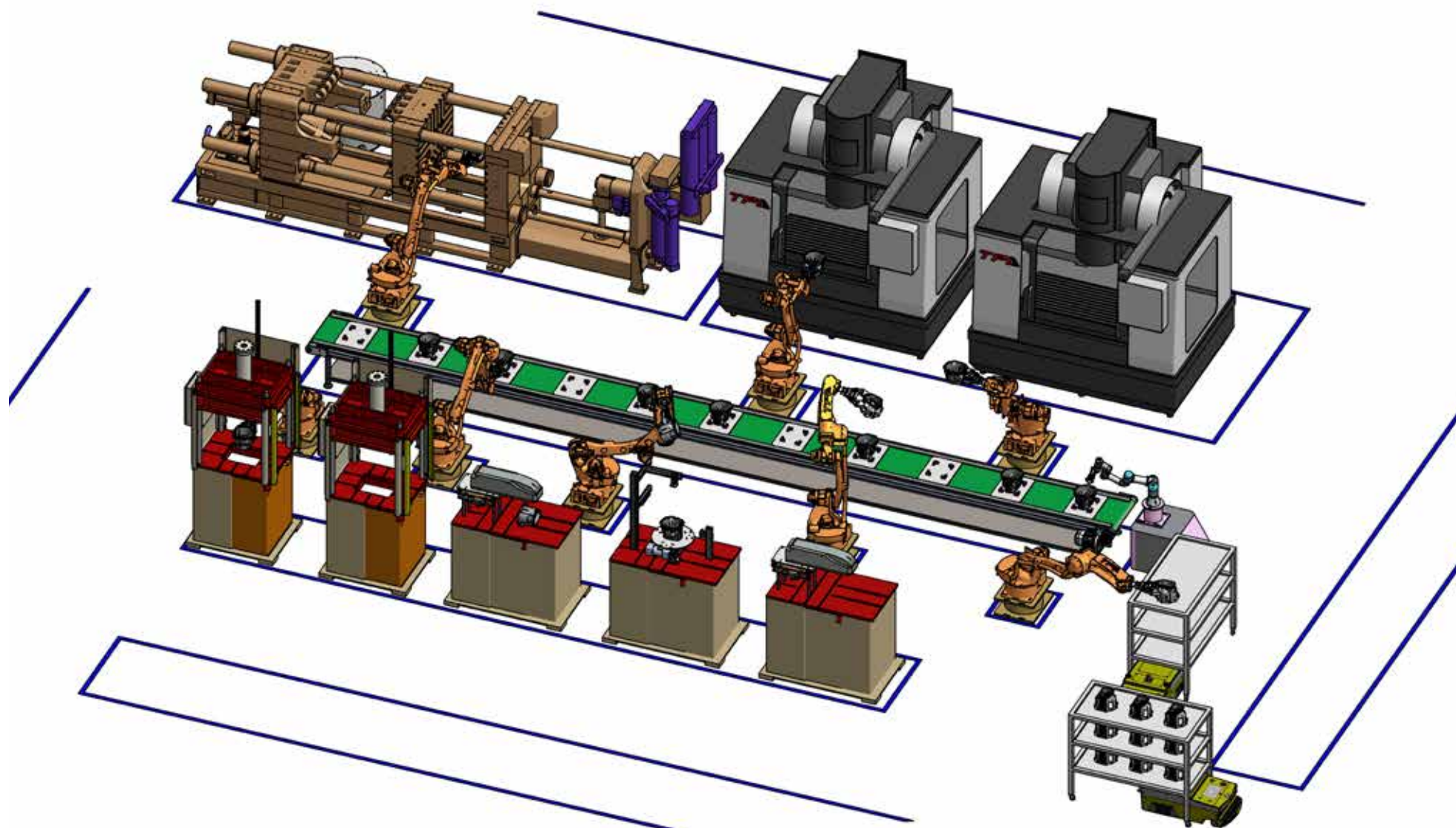

**COBOT PICK & PLACE**

Automatic robot picks up and assembles components


**LASER MAKER**

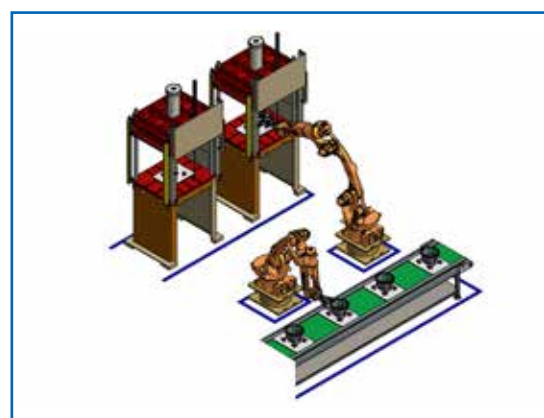
Automatically supply components, using laser engraving product information, QR code, automatic data recording





#### CASTING

The robot system automatically takes the products from the machine to move to the next stage



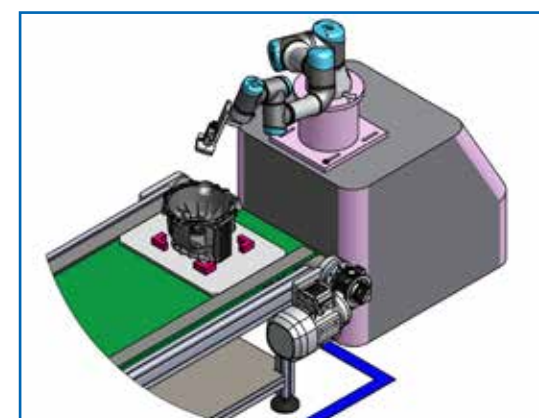
#### RUNNER CUTTING

Automatic robot system put products into stamping, cutting gate and bavia. The product will then be transferred to the conveyor by the robot to the next stage



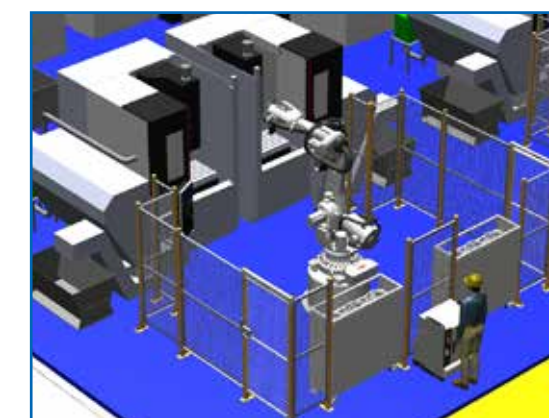
#### LASER MARKING

The system automatically carved information on the product



#### ROBOT CHECKING

The system automatically checks product quality by camera

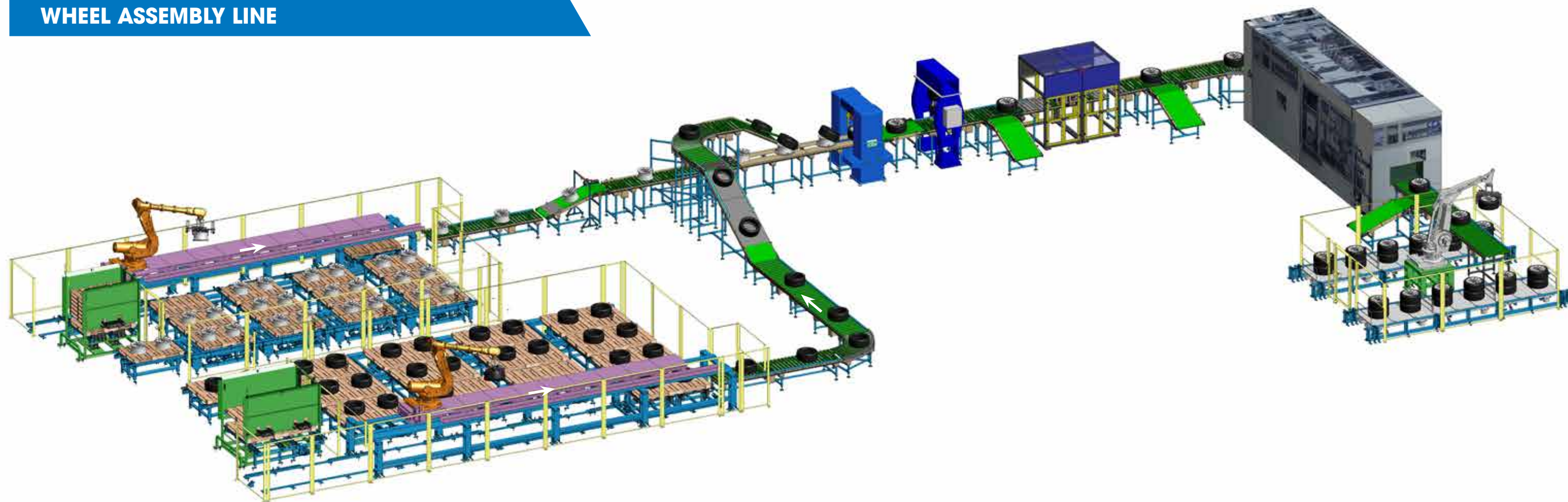


#### CNC

The system automatically puts products into CNC machining machines



## WHEEL ASSEMBLY LINE



Robot Loader



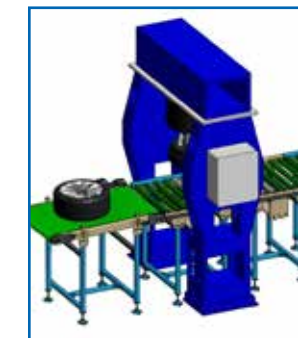
Unloader Pallet



Pallet Transfer



Assembly



Tire Pump



Robot Unloader



Roller Conveyor



Inclined Conveyor Belt



Conveyor Roller Bend

TPA provides a total solution from design, manufacture, and assembly of production lines - providing input materials to the completion of output products

### MAIN CONDITIONS

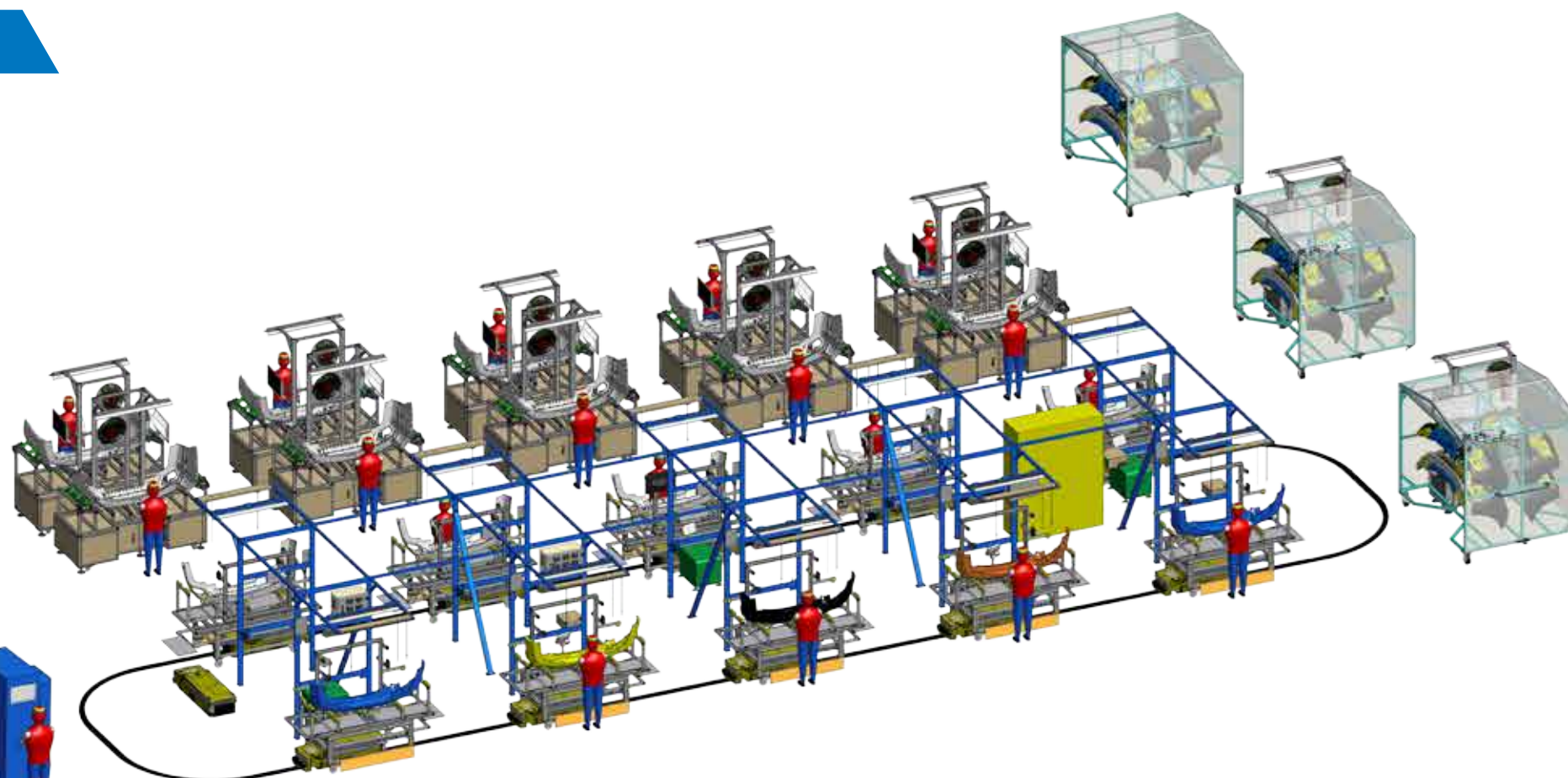
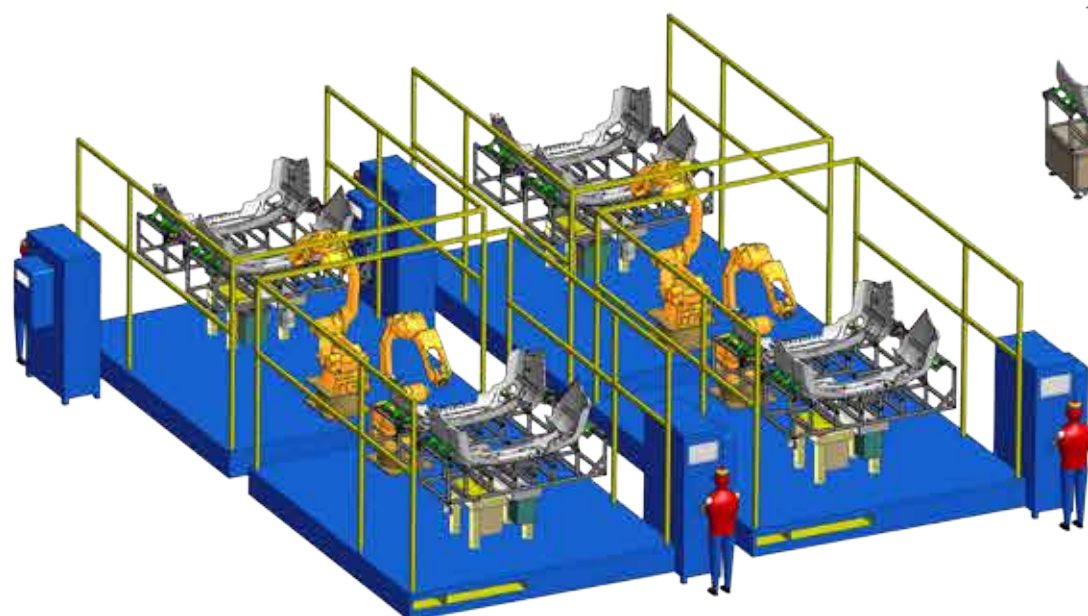
- Automatically supply materials
- Automatic shipping
- Automatically check materials
- Automatic machining assembly
- Automatically check finished products
- Automatically arrange finished products on Pallet



## BUMPER ASSEMBLY LINE



Bumper



WELDING



REAR BUMPER ASSEMBLY



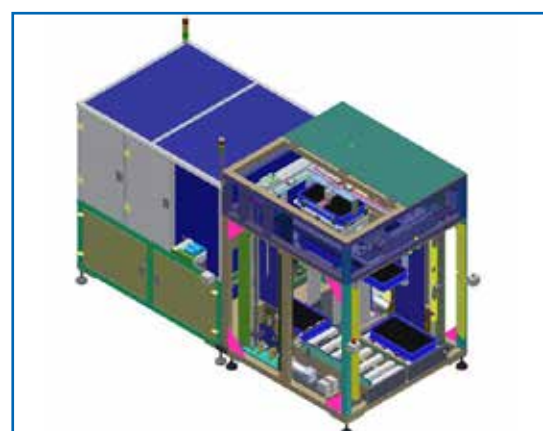
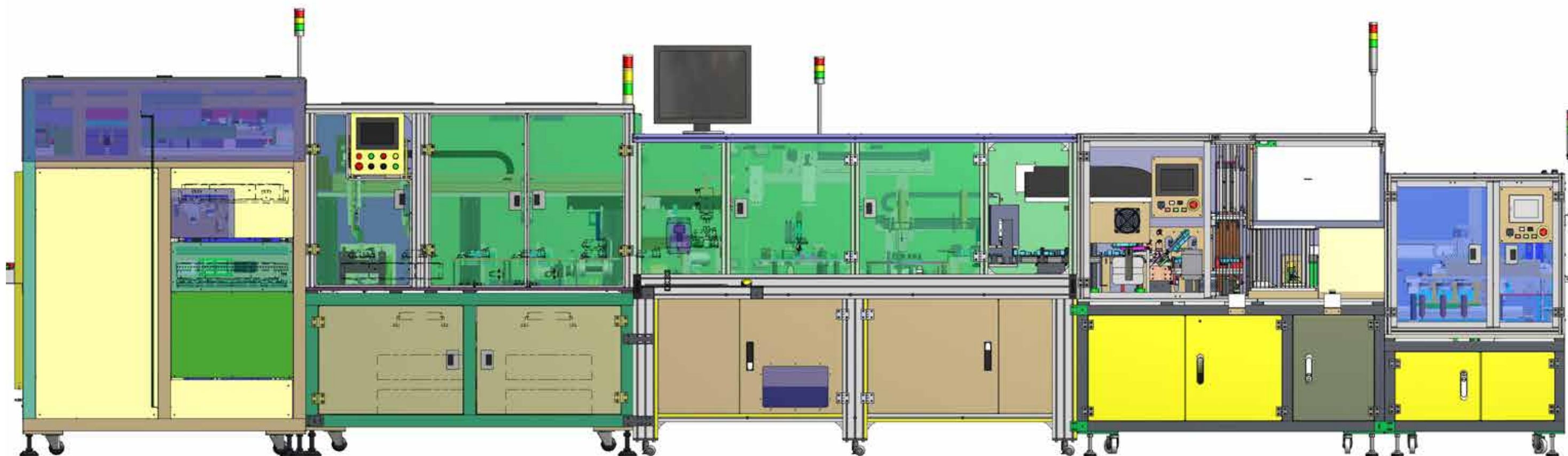
BUMPER BEAM ASSEMBLY



BUMPERS TROYLEY



## AUTO ELECTRONICS UNITS ASSEMBLY



**PACKING**



**AGING**



**LASER AND ASSEMBLY**



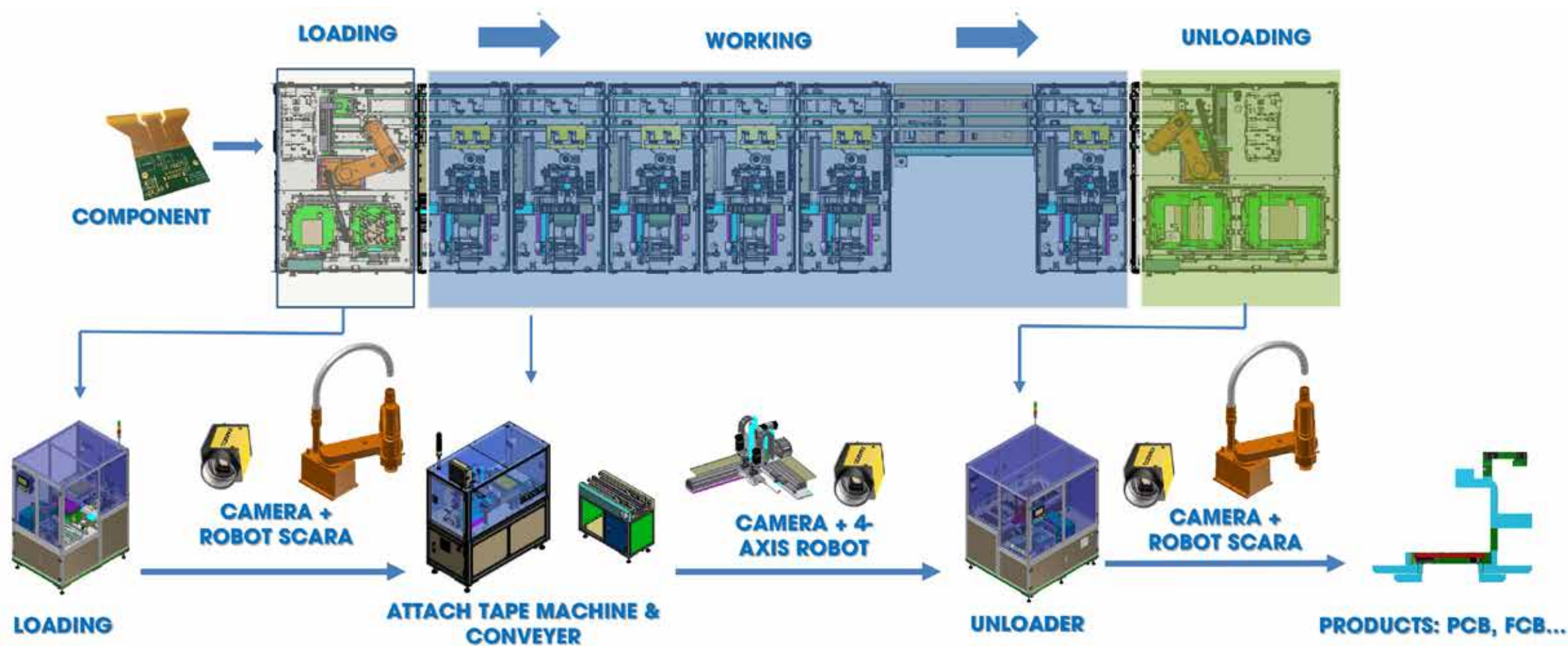
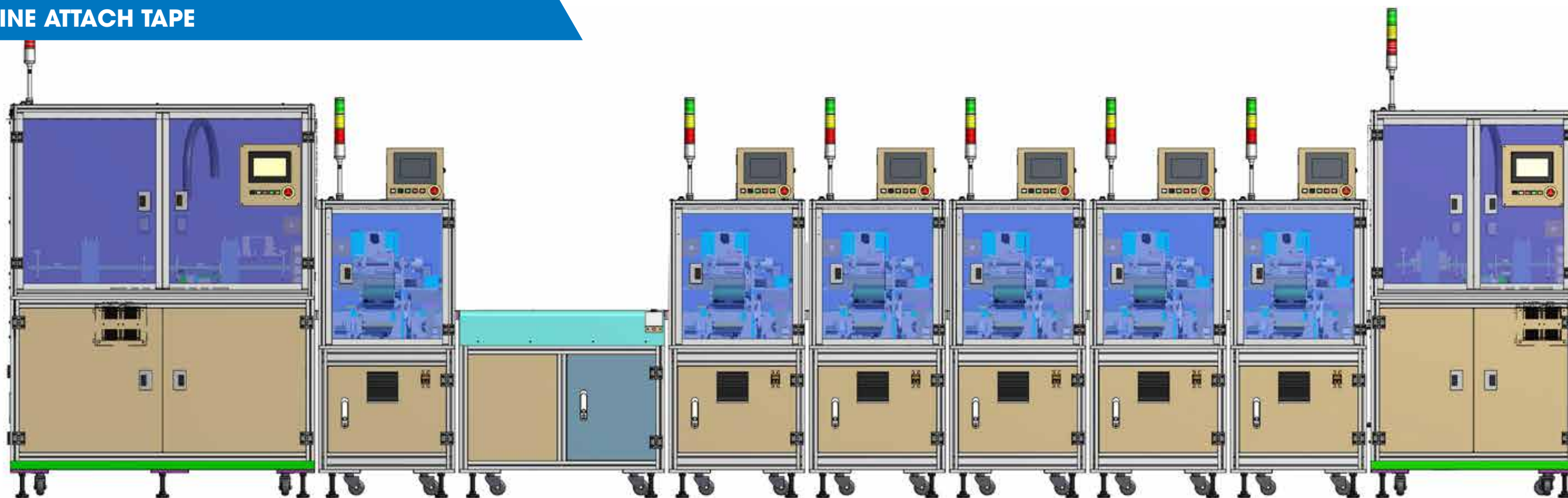
**CASTING**



**ROUTER**

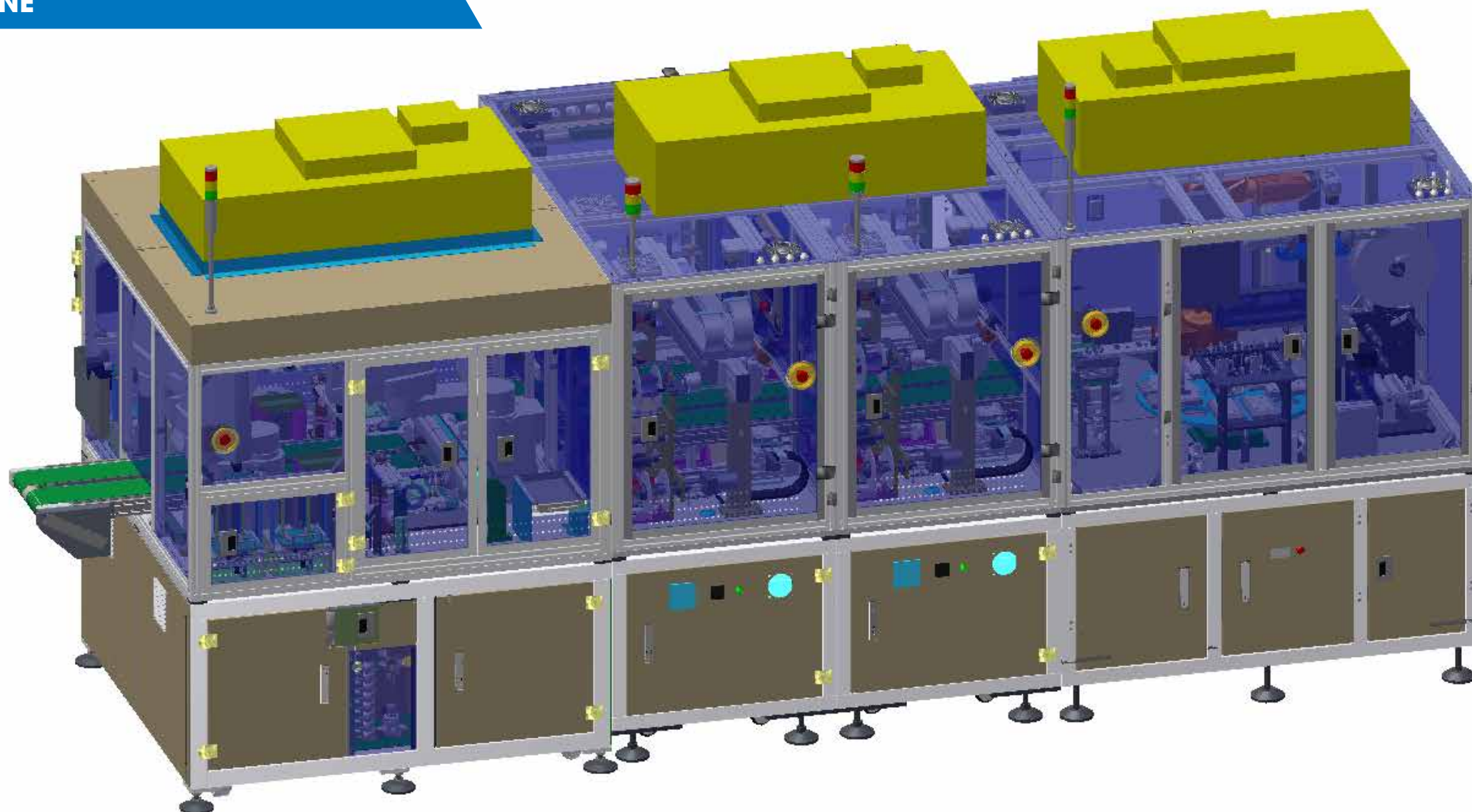


## LINE ATTACH TAPE

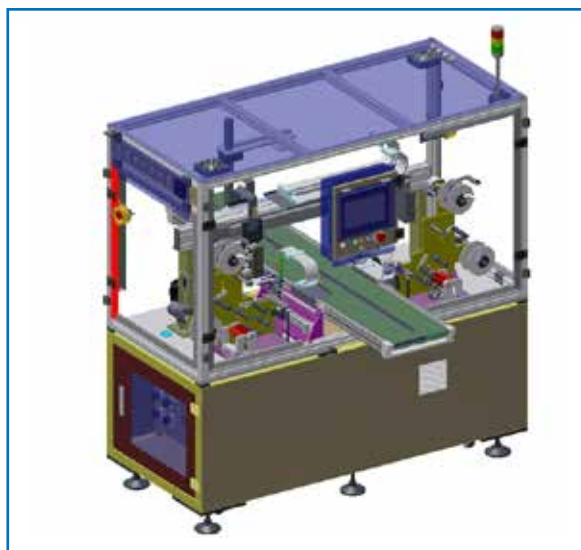




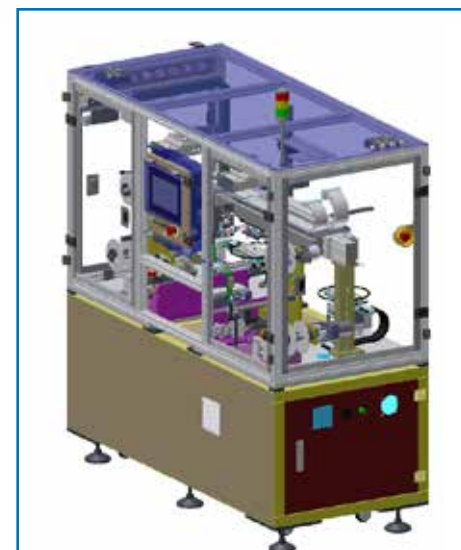
**TAPE BONDING LINE**



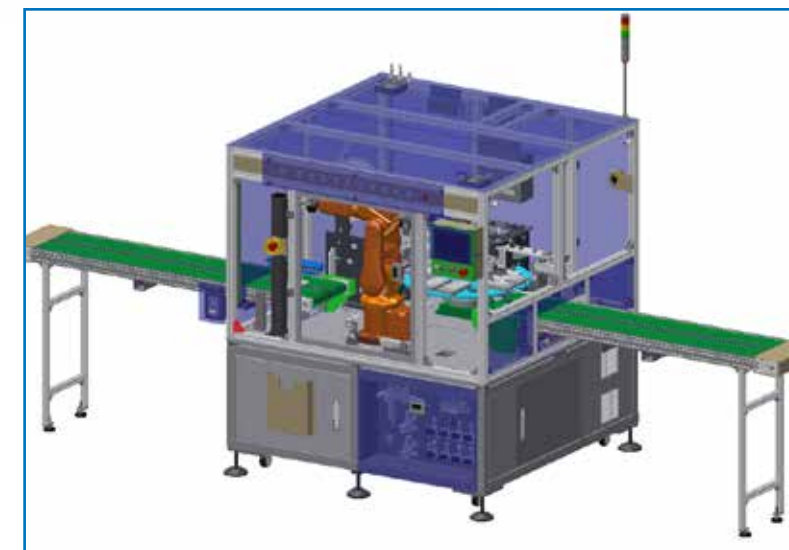
**FILM LAMINATION**



**TAPE BONDING UNITS**



**TAPE BONDING UNITS**



**LOADING**



## WAREHOUSE LOGISTICS SOLUTIONS



Bracket type racking system



Unit rack

Building rack






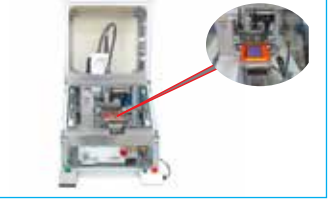












## IoT SYSTEMS



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



PROCESS MACHINE			
	Laser Cutting Machine	Forming Machine	Press Machine
			
	Tape Bonding Machine	Cutting Machine	Router Cutting Machine
ASSEMBLY MACHINE			
	Attach Tape Assembly Line	Power Sub Assembly Line	Terminal Assembly Machine
			
	Gear Assembly Machine	Carriage Assembly Machine	Cluster Assembly Machine
INSPECTION MACHINE			
	Outside Inspection Machine	Appearance Inspection Machine	Cell Phone Speaker Inspection Machine
PACKING & PALLETIZING SYSTEM			
	Packing System	Palletizing System	Palletizing System



## CONTACT US



Total Solutions for  
Productivity  
Achievement

### TAN PHAT AUTOMATION JSC

Tel: 024 3685 7776 | Hotline: 098 1199883 | Email: [info@tpa.com.vn](mailto:info@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](http://www.tpa.com.vn)

