

CNC VINA

THE LEADING AUTOMATION
MANUFACTURER IN VIETNAM



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CNC VINA

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ABOUT US



Established in 2007 with various of experience in the field of designing and manufacturing automatic machines and production lines. CNC VINA is one of the pioneering companies and has become the leading automation manufacturer in Vietnam.

The company's main products are the design and manufacture of automatic machines and production lines for the electronics, mechanical, automobile, motorbike, garment industries, packaging solutions and improvements for factories.

The company has a factory in Hanoi specializing in CNC machining and automatic machine manufacturing and an office in the southern region of Vietnam.

The company's products have been exported to 10 countries all over the world such as China, Japan, France, India...

With the goal of fully meeting the requirements of our customers, we constantly expand, invest, and improve our knowledge to be your reliable choice now or in the near future.



Established in 2007



Main businesses:

- CNC machining
- Automation solution
- Installation service



250+ Staffs



250+ Machines



10.000 sqm
(2 factories & 1 office)



Exported machines
to 10 countries



Management system
ISO 9001

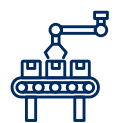


1.500 +
Automatic machines,
manufacturing lines
provided

CUSTOMERS



APPLICATIONS



Industrial automation



Automotive



Garment industry



Electronics industry



Medical Field



Sorting and Packing Line



Food industry



Mechanical industry



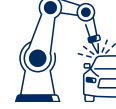
Paint line automation



Machining



Assembly line inspection



Robot Integrated Line

PROCESSES

DESIGNING



With a manpower up to 50 mechanical, electrical engineers, we always provide our customers with the best design solutions for customer's products.



MACHINES



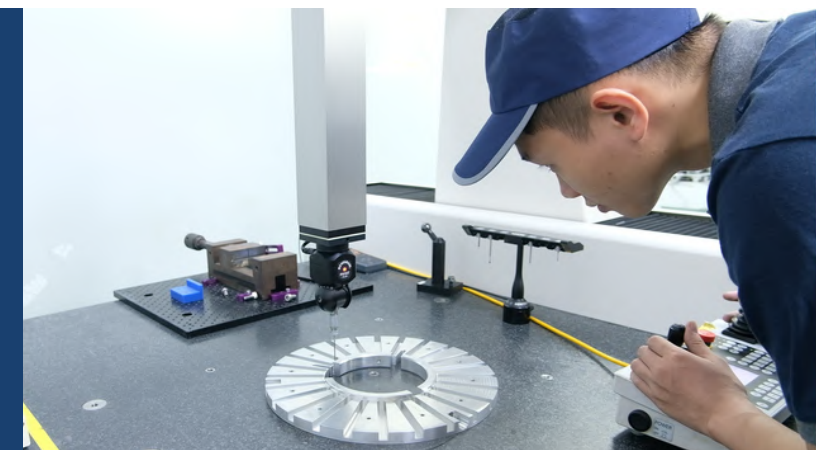
05 5-axis milling centers
20 4-axis milling centers
10 3-axis large size milling
15 milling lathe CNC



QUALITY CONTROL



Material certification and testing. Batch inspection, 100% inspection with test report (on request)
Equipments: CMM, Hardness tester, Surface roughness tester, XRF analyzer...

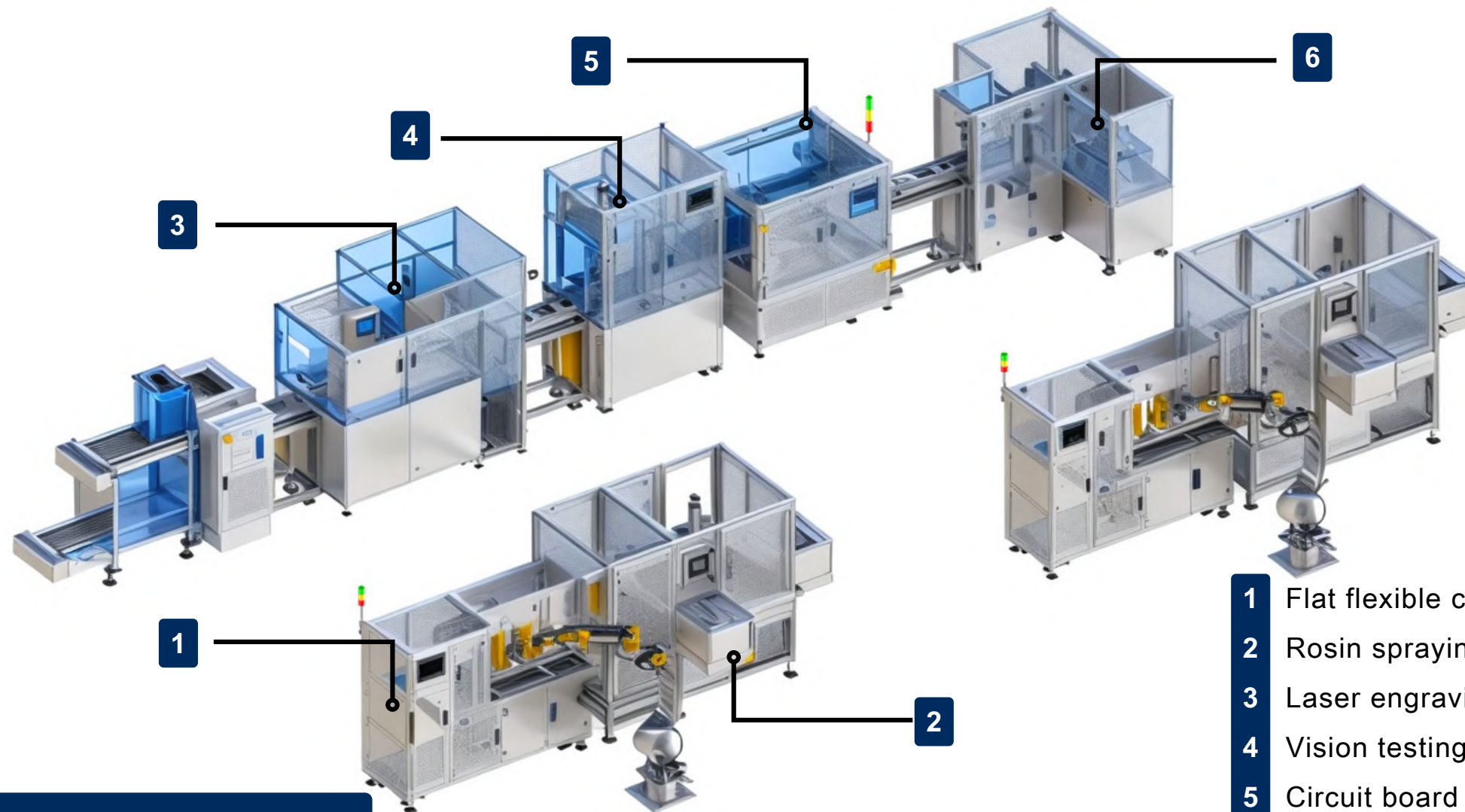


ASSEMBLY



We apply a management system to factories to help control product quality as well as control the best assembly and delivery schedule.





- 1 Flat flexible cable machine (FFC)
- 2 Rosin spraying and tin dipping machine
- 3 Laser engraving machine
- 4 Vision testing machine
- 5 Circuit board cutting machine
- 6 Circuit board stacking machine

CIRCUIT BOARD PRODUCTION LINE



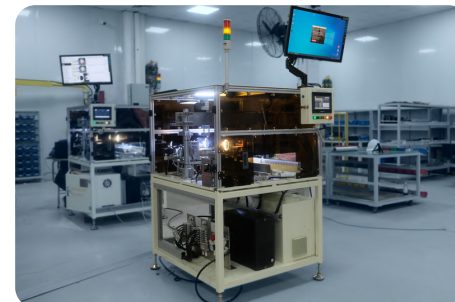
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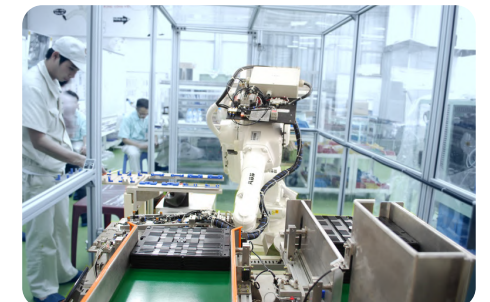
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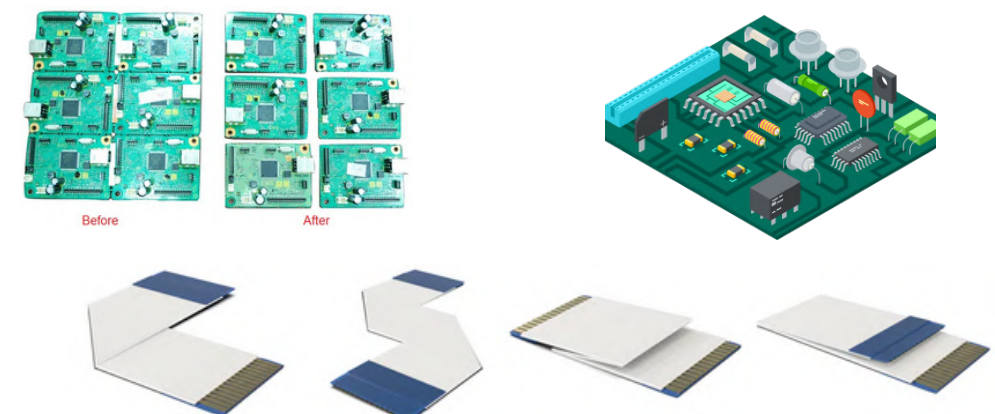
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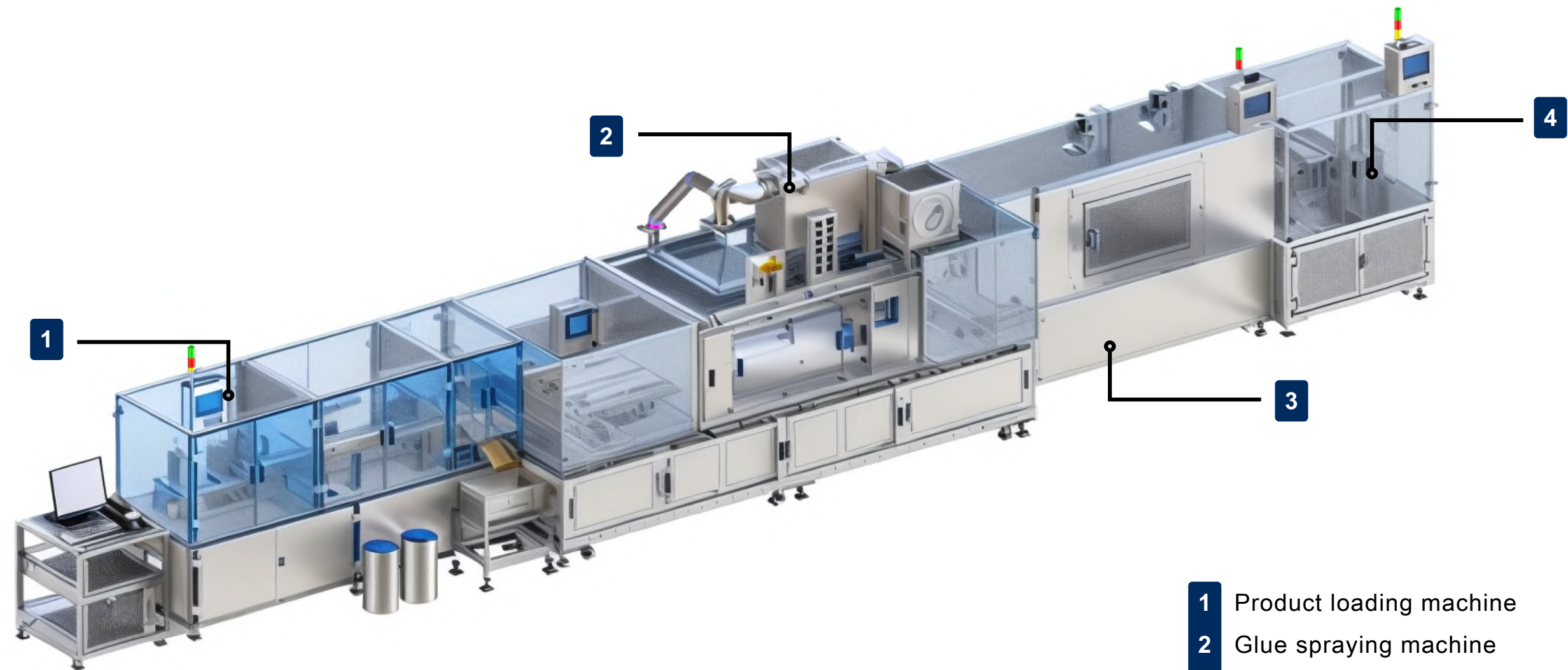


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FEATURE

CNC VINA provides a system of equipment and machinery arranged according to a specific process to produce electronic circuit boards or flat flexible cables (FFC). The equipment in this line includes cutting machines, drilling machines, printers, soldering machines, resin spraying and tin dipping machines, laser engraving machines and quality inspection machines. The production process on this line is maximally automated based on actual conditions to increase efficiency and ensure product quality.





GLUE SPRAYING AND UV IRRADIATION LINE

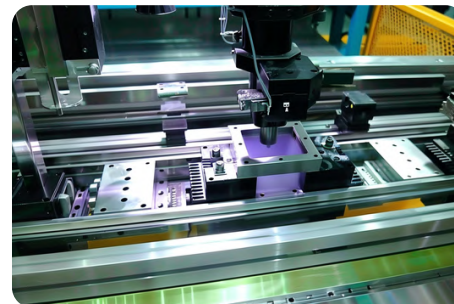
- 1 Product loading machine
- 2 Glue spraying machine
- 3 UV baking oven machine
- 4 Stacking machine



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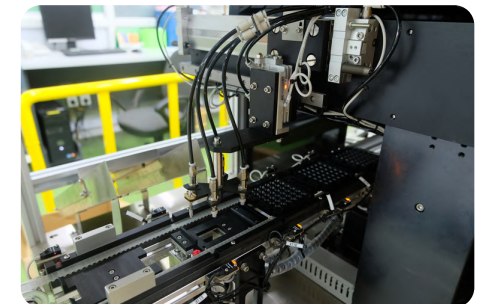
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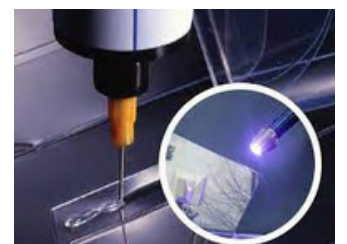
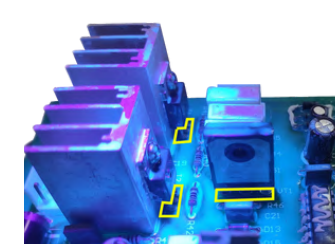
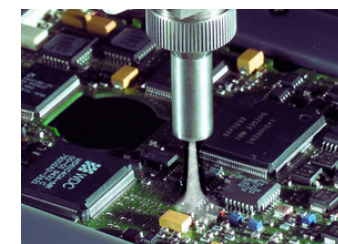
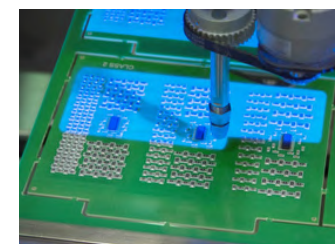


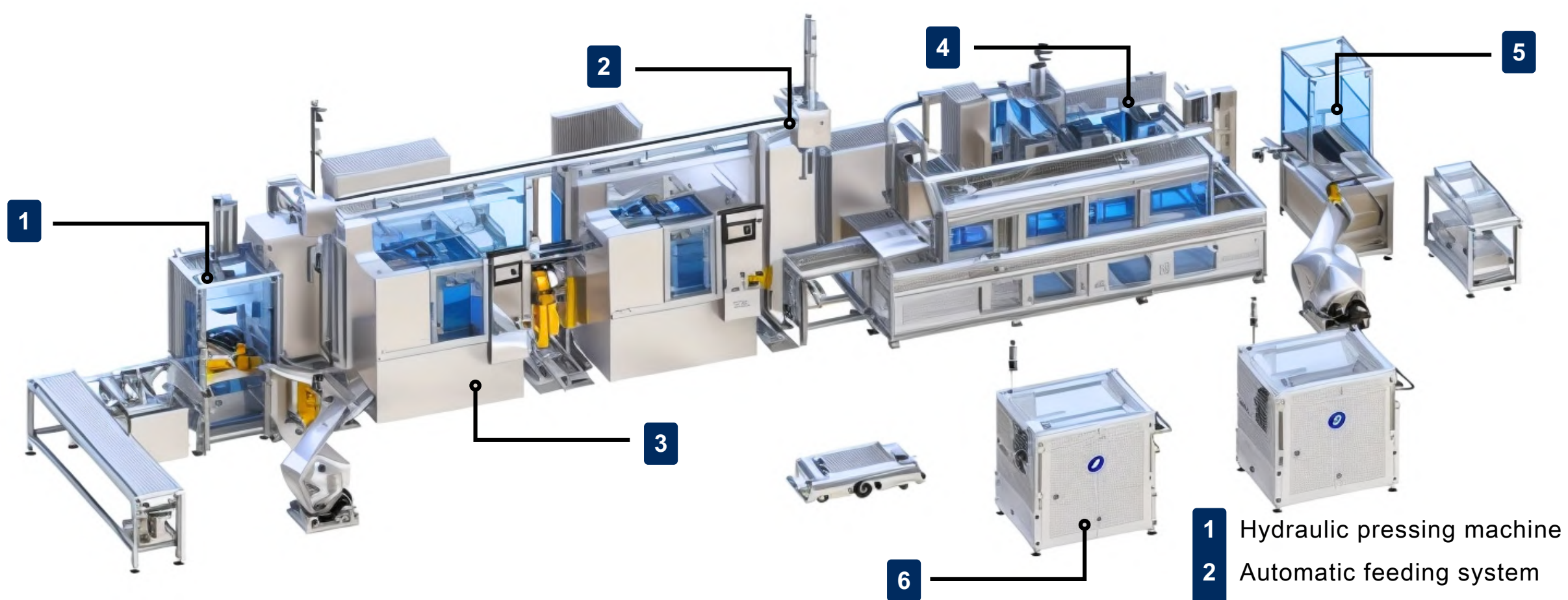
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FEATURE

A UV curing and glue spraying line is a production system used for product with adhesive or UV-coating. The production process on this assembly line includes using a glue sprayer to coat the product surface with a layer of glue and then using UV rays to quickly dry this layer of glue, creating a smooth, glossy and scratch resistance product surface. Depending on the characteristics of the technological process coating material, we will calculate and test in detail to choose appropriate equipment and processing processes.





- 1 Hydraulic pressing machine
- 2 Automatic feeding system
- 3 CNC machining machine
- 4 Product washing machine
- 5 Product checking machine
- 6 Automatic assembly machine

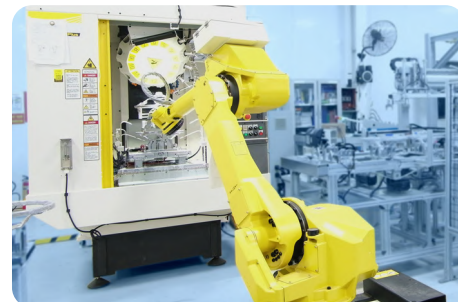
AUTOMATIC MACHINING LINE



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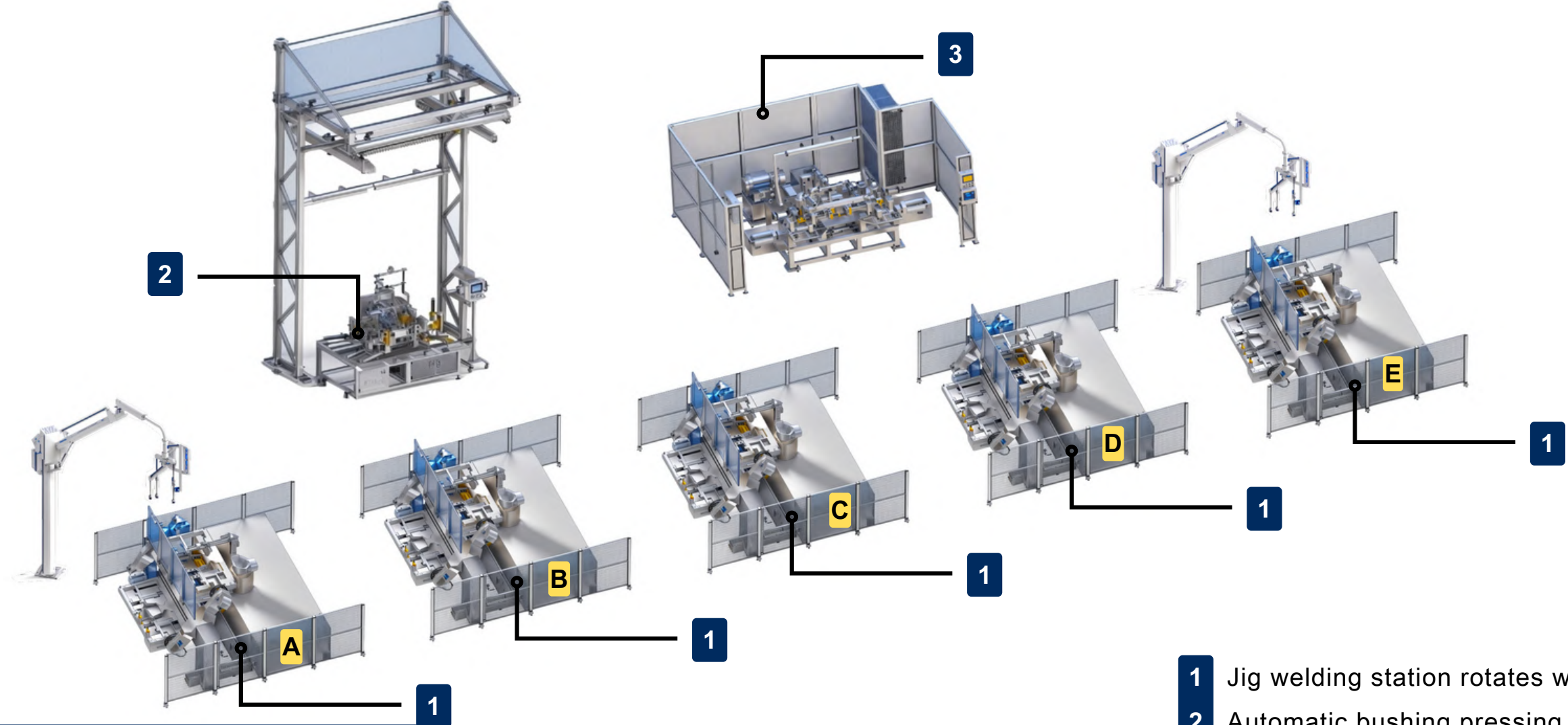


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FEATURE

Machining workshop automation helps increase productivity and ensure quality in mass production. This includes the use of industrial robots, automated machinery and automated control systems to perform machining operations such as cutting, grinding, turning, milling, welding, cleaning, assembly and inspection product quality. CNC VINA always works with customers to offer tailor made automation solutions for mechanical factories to make heavy work safer for operators.





AUTOMATIC ROBOT WELDING LINE

- 1 Jig welding station rotates with robot
- 2 Automatic bushing pressing machine
- 3 Semi-automatic bushing press machine



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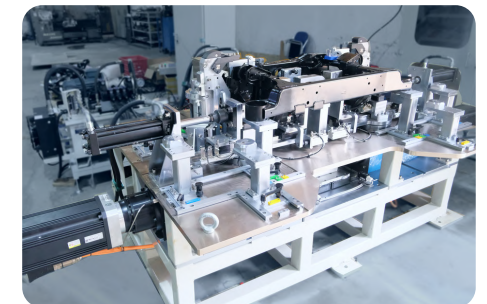
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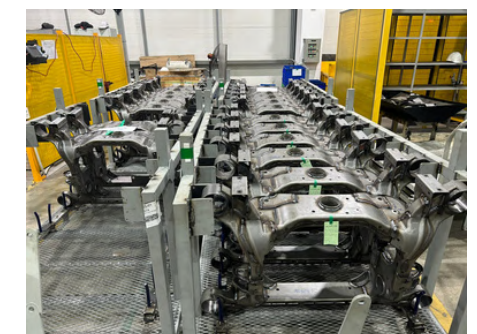
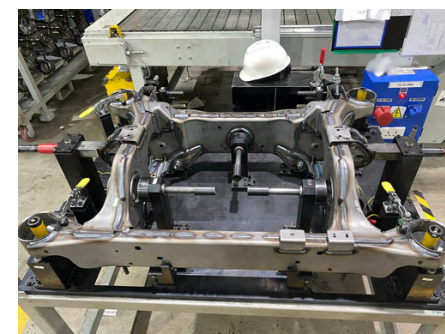
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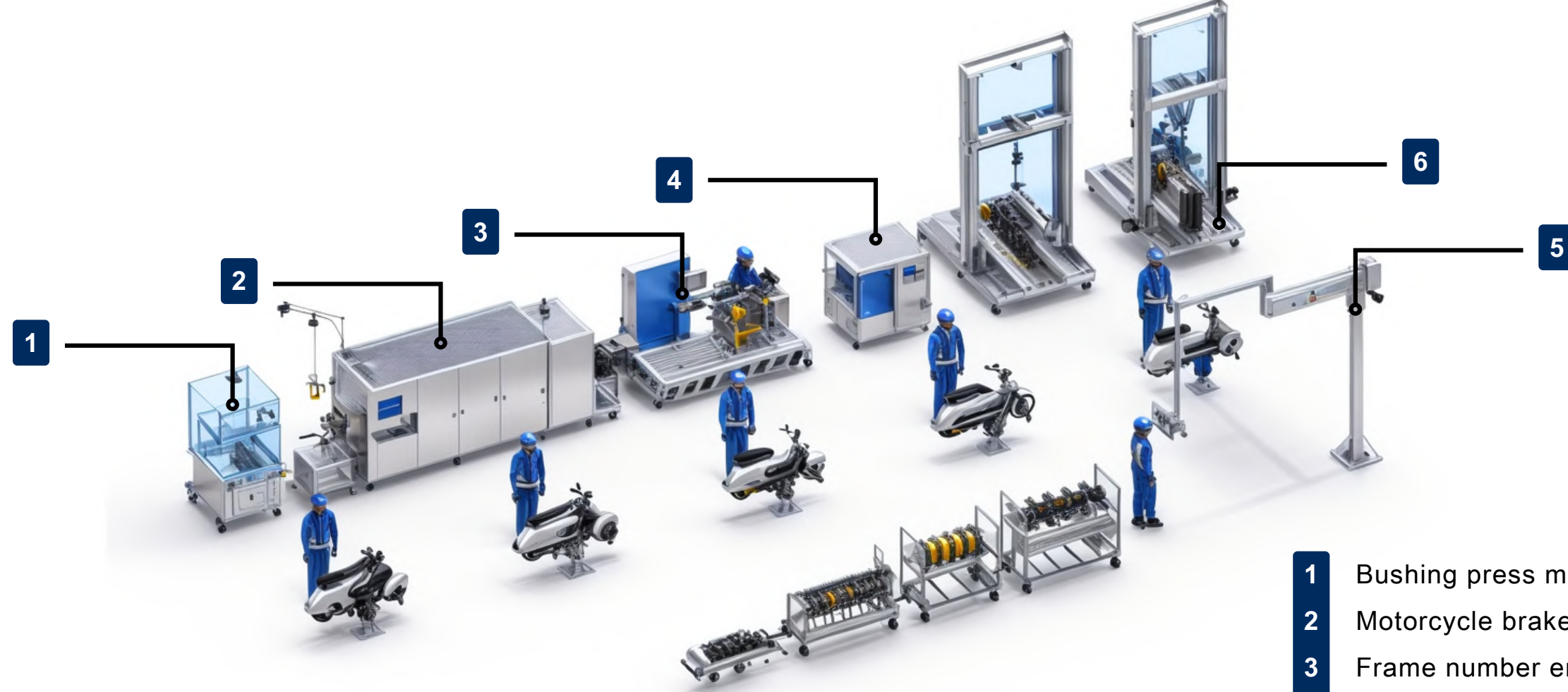


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FEATURE

Welding robots are applied to automatic production lines that require expertise and complexity such as the field of manufacturing cars, motorbikes, pipes, racks, etc. Welding robots will bring great benefits in terms of quality. product quantity. Superior efficiency compared to conventional manual labor. Automobile manufacturers such as Ford, Mercedes, Toyota, Honda, Nissan... all apply automatic robot welding production lines. CNC VINA has successfully developed jigs for automatic robot stations for frame, door, and hood of the car with different types of robots such as ABB, Kuka...





- 1 Bushing press machine
- 2 Motorcycle brake oil pump machine
- 3 Frame number engraving machine
- 4 Motorized laser engraving machine
- 5 Industrial manipulator
- 6 Testing machine

MOTORBIKE ASSEMBLY LINE



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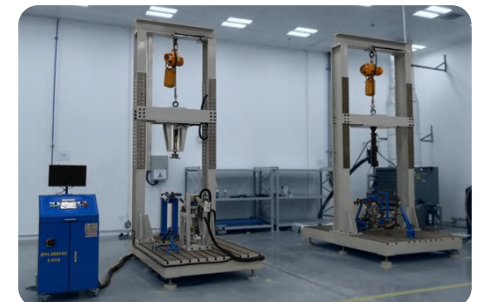
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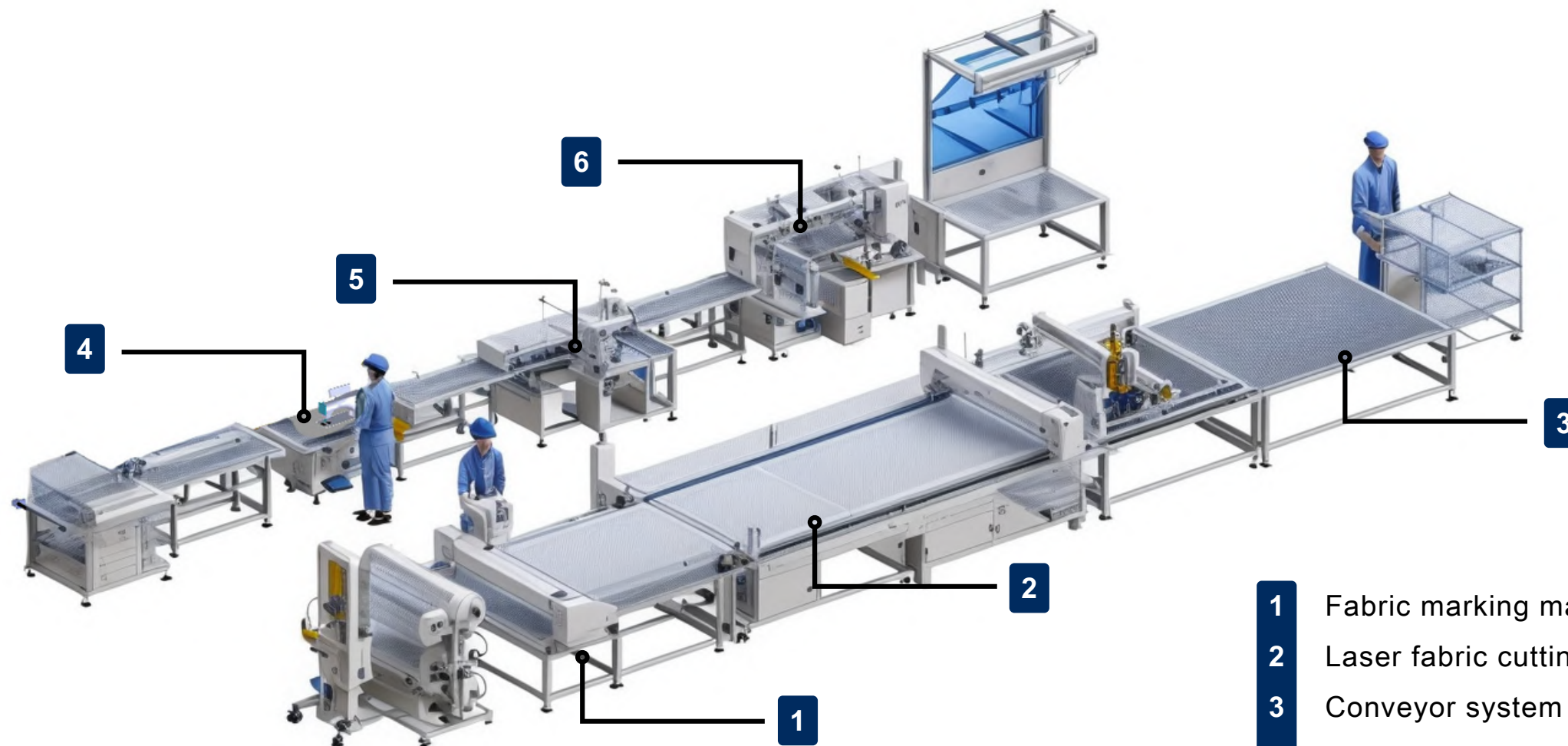


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FEATURE

The motorcycle assembly line includes many different stages in which different parts are assembled to create the final product. The process typically includes the following steps: frame assembly, motor installation, battery installation, wiring and electronics, wheel assembly, testing and quality control. CNC VINA not only provides single machines and trolleys for production but also provides full manufacturing line including assembly conveyors, auxiliary equipment and out going inspection systems.





- 1 Fabric marking machine
- 2 Laser fabric cutting machine
- 3 Conveyor system
- 4 Regular sewing machine
- 5 Automatic programming sewing machine
- 6 Automatic laser cutting and sewing machine

AUTOMATIC SEWING LINE



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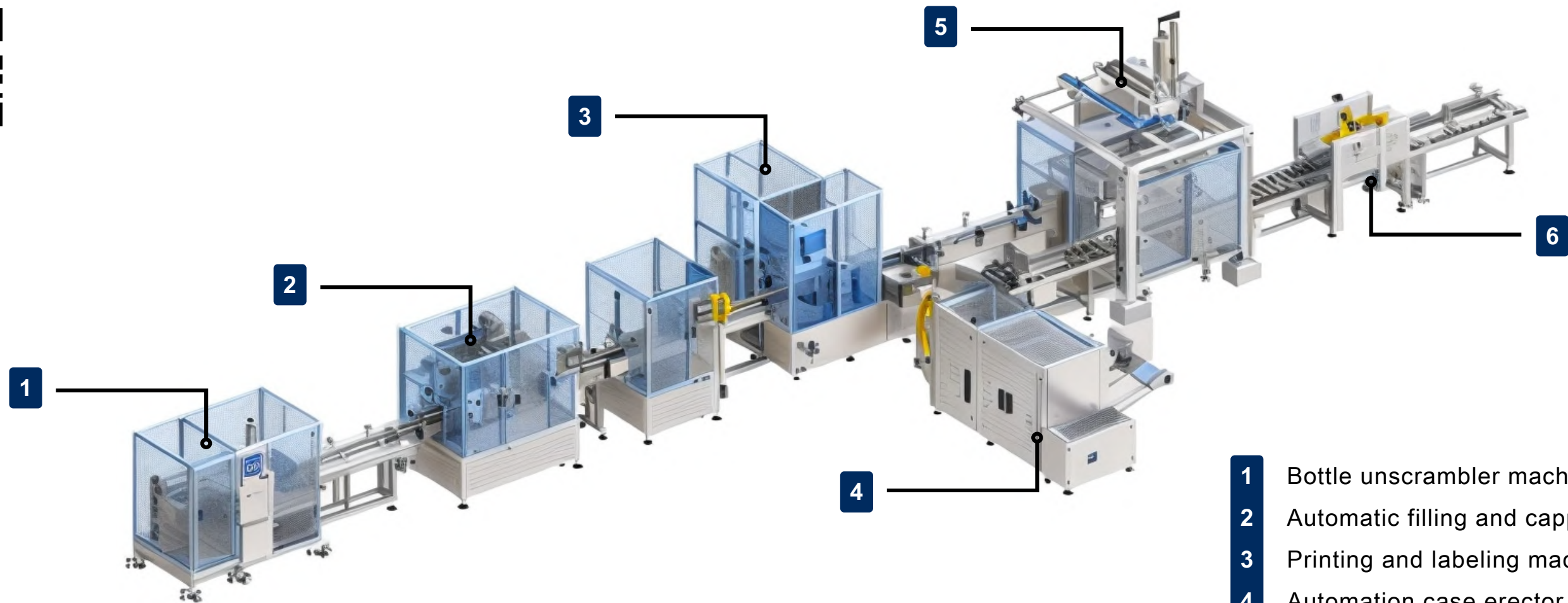


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FEATURE

CNC VINA provides sewing industry automation solutions for main customers who are companies sewing airbags and sewing car seat covers. We provide the entire line from spreading machines, fabric cutting machines, conveyor lines, customized programmable sewing machines according to product requirements and machines combining laser cutting and sewing. These automatic machines will help factories increase productivity, reduce manpower and ensure uniform product quality.





- 1 Bottle unscrambler machine
- 2 Automatic filling and capping machine
- 3 Printing and labeling machine
- 4 Automation case erector machine
- 5 3-axis product pick and place robot
- 6 Automatic carton sealer

CARTON BOX PACKAGING LINE USES 3-AXIS ROBOT



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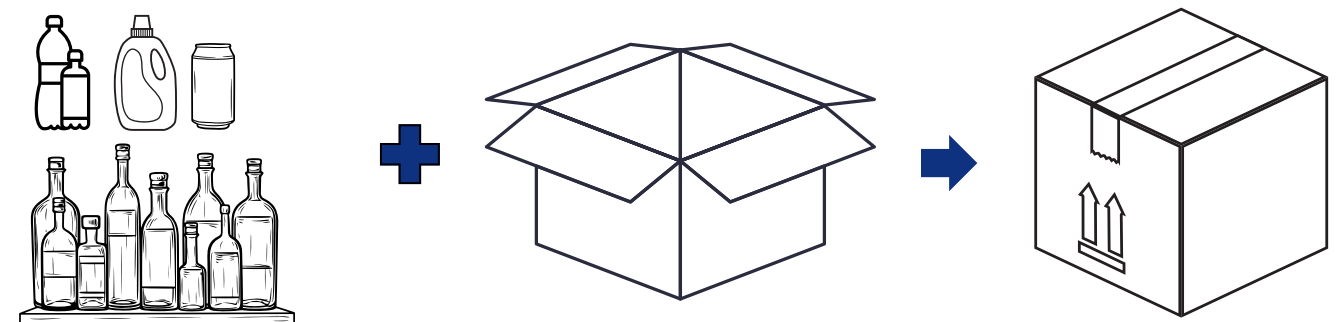
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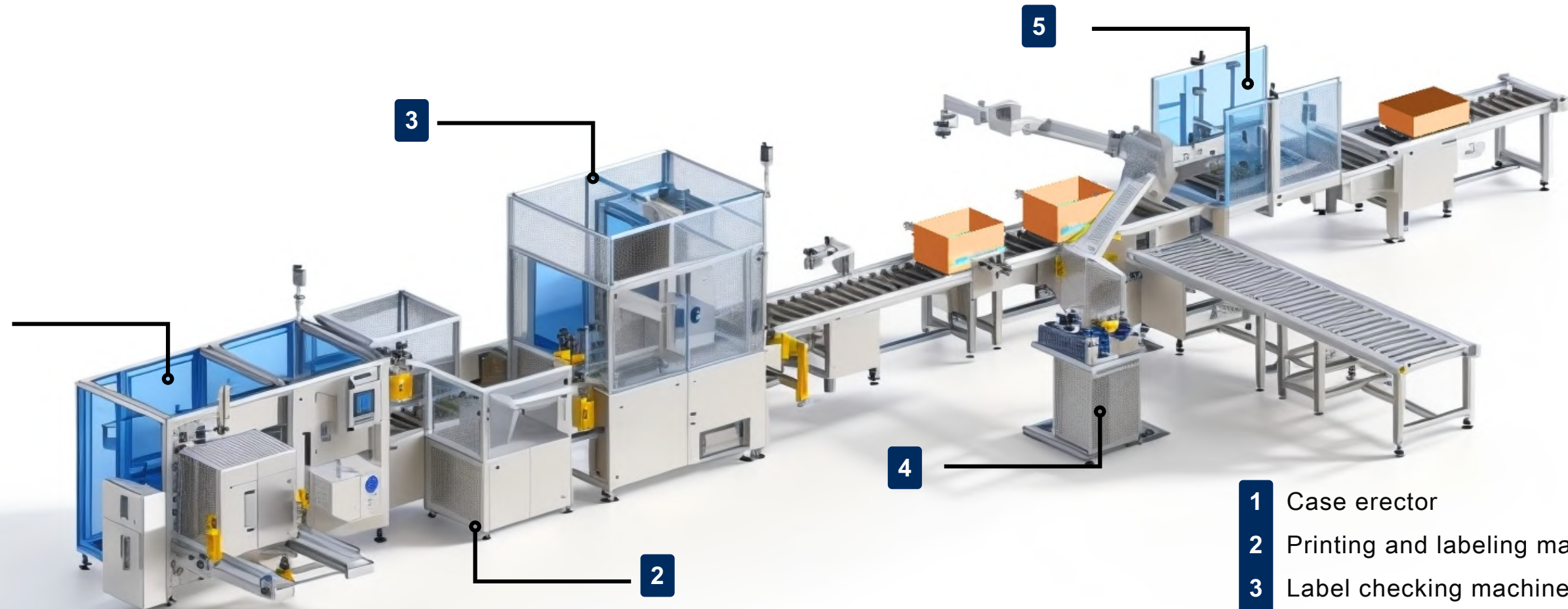


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FEATURE

The automatic carton box packaging line uses a 3-axis pick-and-drop machine applied in many fields such as food packaging, medical and other manufacturing industries. 3-axis robots can connect directly to filling machines to help place products into cartons or through processes such as labeling and checking labels. The packaging process is completely automated from opening the box, putting the product into the carton and sealing the box lid, helping the production process continue without interruption.





CARTON BOX PACKAGING LINE USES 6-AXIS ROBOT

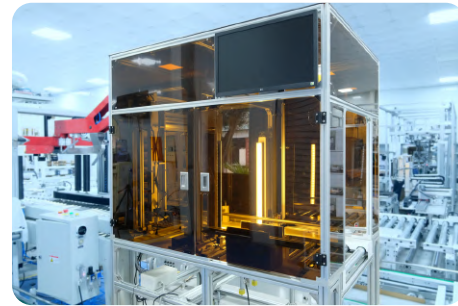
- 1 Case erector
- 2 Printing and labeling machine
- 3 Label checking machine
- 4 Robot pick and place
- 5 Automatic carton sealer



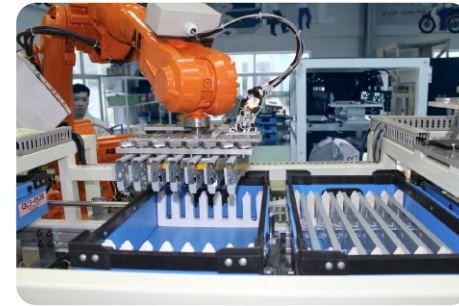
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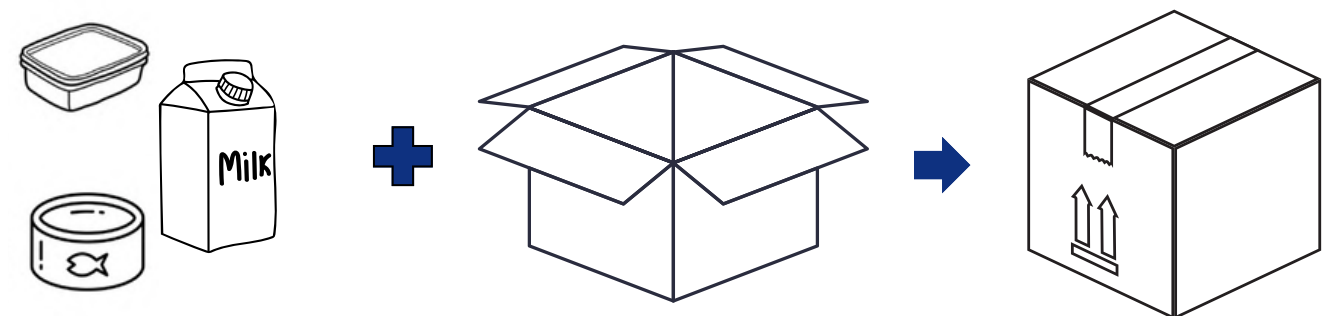


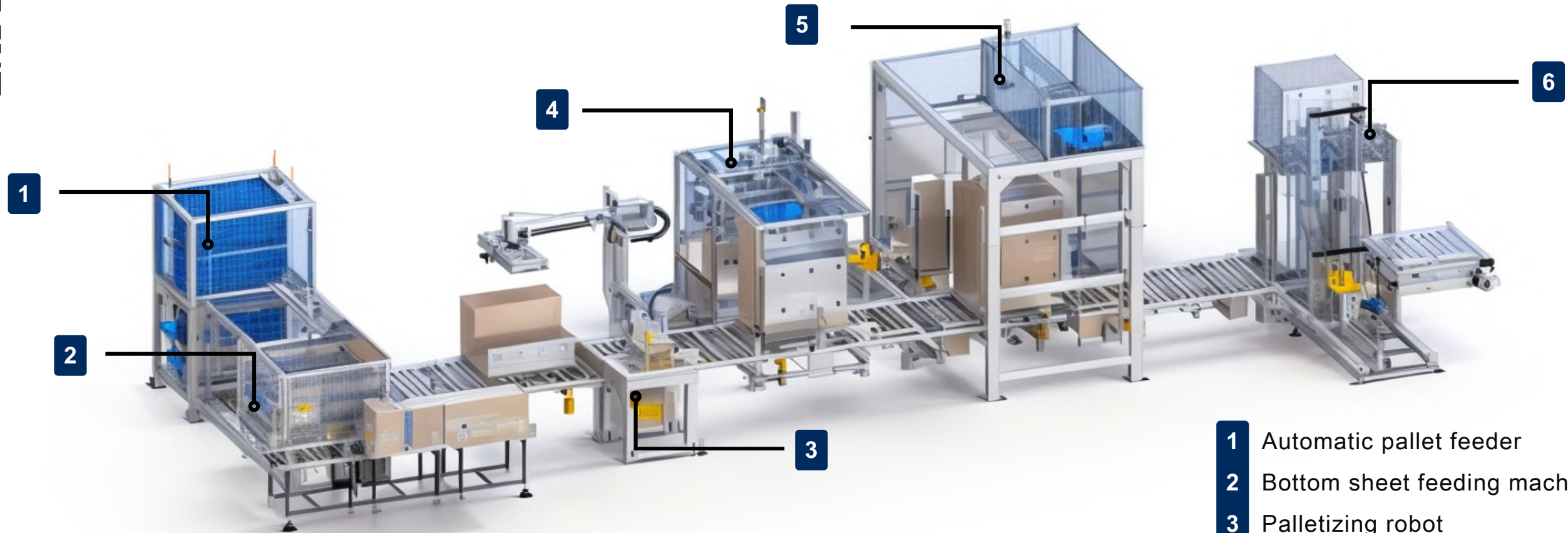
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FEATURE

An automatic carton box packing machine is an industrial equipment used in the manufacturing and packaging process to automate the forming and sealing of cartons or boxes. This large line includes carton erecting machine, carton box packing machine, weighing system, labeling machine, printing machine, carton sealing machine and conveyor line. This line can be equipped with various options based on customer requirements. The entire process is automated and controlled by a central system that coordinates the activities of each department to ensure effective and accurate packaging of products into cartons.





- 1 Automatic pallet feeder
- 2 Bottom sheet feeding machine
- 3 Palletizing robot
- 4 Top sheet feeding machine
- 5 Pallet wrapping machines
- 6 Pallet stacking machine

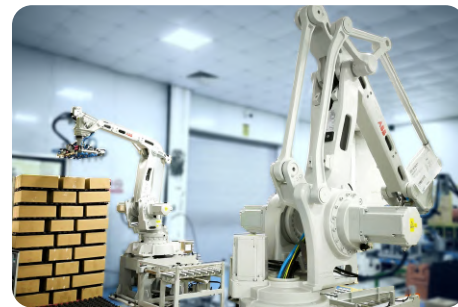
AUTOMATIC BOXES PALLETIZING LINE



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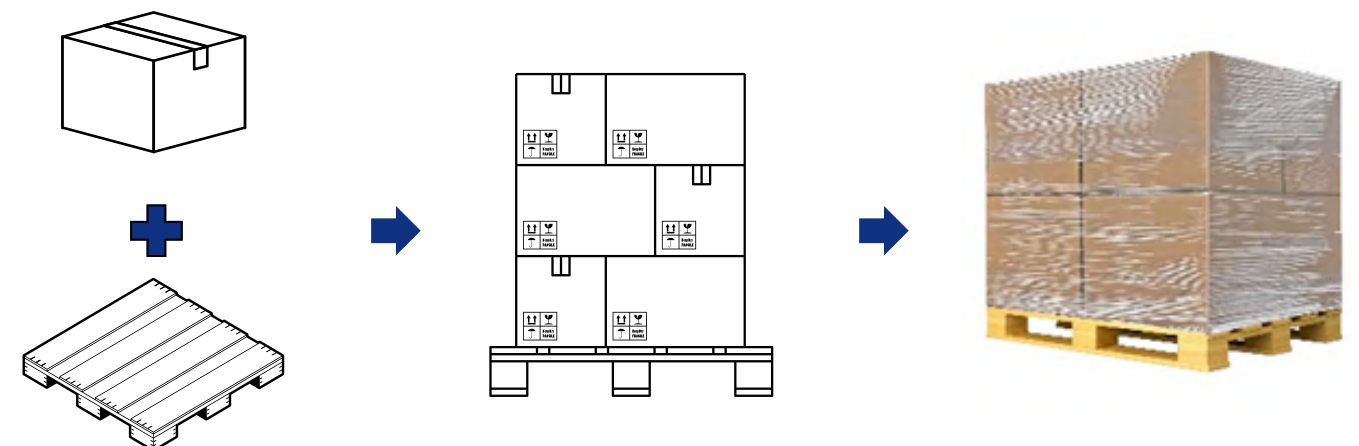
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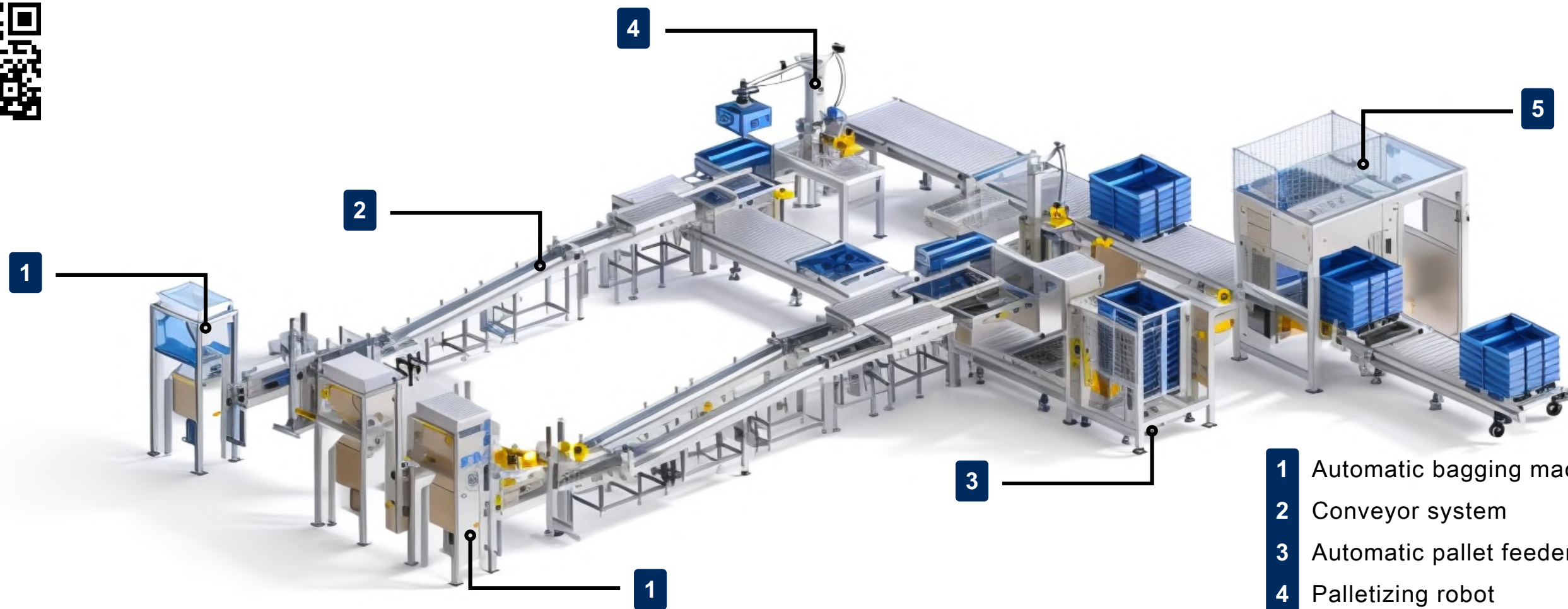


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FEATURE

The automatic box stacking line is a system that combines robots with carton boxes on pallets and then rolls shrink film with the top and bottom sheets. The end product is a consistent, precise pallet of goods. That is also the automation trend of the industry in the 4.0 industrial revolution taking place globally. CNC VINA is a professional solution consultant for this application. The solutions are designed with 3D drawings to help visualize the entire line.





- 1 Automatic bagging machine
- 2 Conveyor system
- 3 Automatic pallet feeder
- 4 Palletizing robot
- 5 Pallet wrapping machines

AUTOMATIC BAGS PALLETIZING LINE



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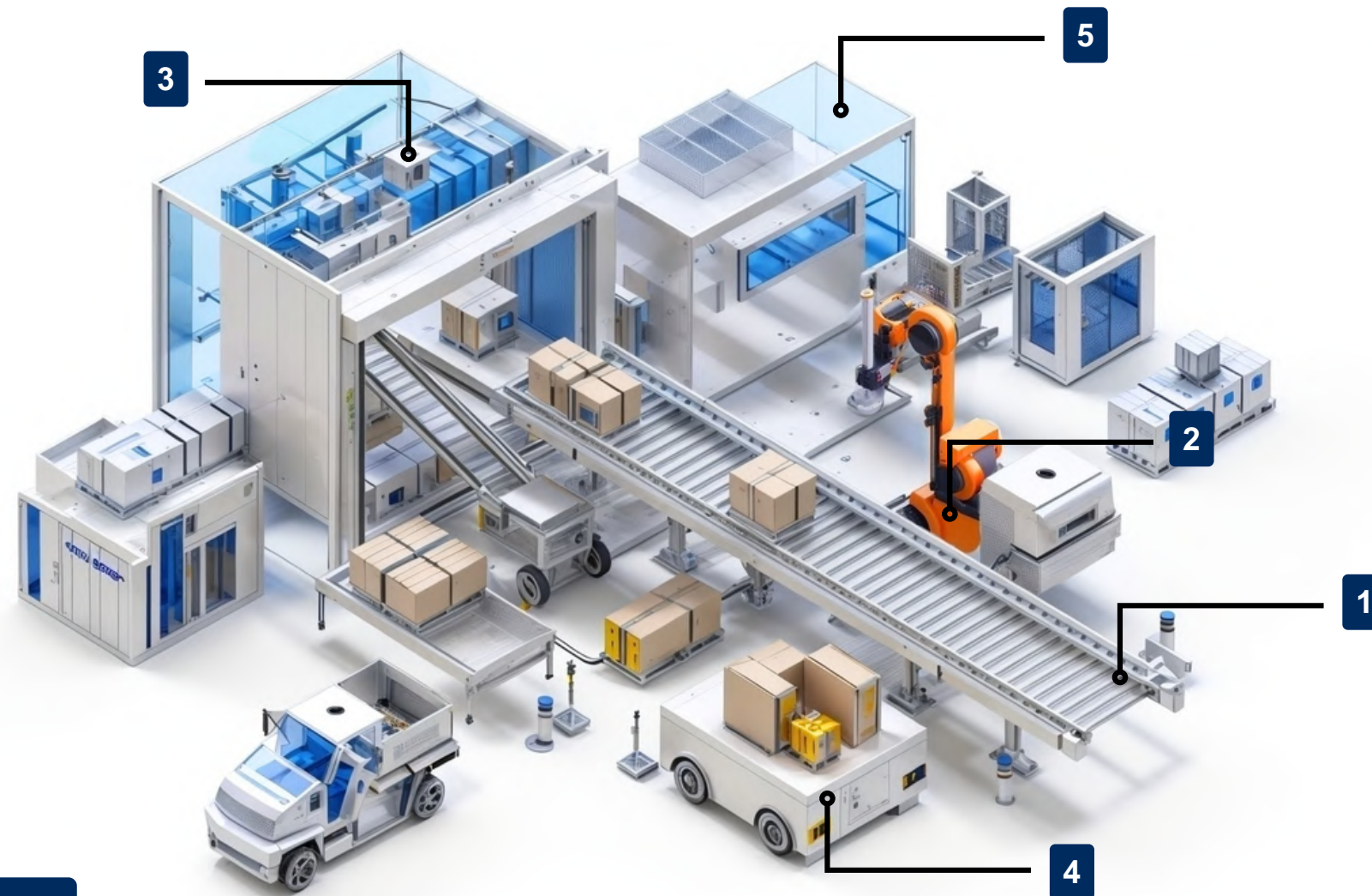


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FEATURE

A fully automatic palletizing robot is a system that combines the robot with the bags on the pallet and then rolls the shrink film. Pallet packaging involves stacking items to create a steady load, allowing for easier handling, maximizing space utilization, and enhancing product protection during transportation.





- 1 Product classification system
- 2 Robots in smart factory
- 3 Smart warehouse
- 4 AGV
- 5 Production management center

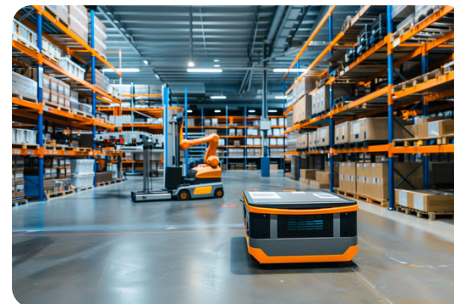
SMART FACTORY



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FEATURE

A smart factory is a highly digitalized and connected manufacturing facility that uses technologies such as IoT (Internet of Things), AI (Artificial Intelligence), robotics, big data analytics and cloud computing. to improve efficiency, productivity and flexibility in the production process. Smart factories enable real-time monitoring, predictive maintenance, and automation of tasks, helping to reduce downtime, optimize production, and make better decisions. We will implement the latest technologies for your factory automation platform.



Thank You

Let's work together



VIETNAM CNC & TECHNOLOGY APPLICATION JOINT STOCK COMPANY

FACTORY 1 (DESIGN & MACHINE MANUFACTURING)

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FACTORY 2 (CNC MACHINING, FIXTURES AND MODING)

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