

Create excellent products with cutting-edge technology.
Build quality service with professionalism and efficiency.

Established in 2012, Robotphoenix LLC is headquartered in High-tech Development Zone of Ji'nan, Shandong province, with branch offices in Shanghai, Hangzhou, Shenzhen, Suzhou and Linyi. With a total area more than 30,000 square meters for R&D, work and production, Robotphoenix has become a national high-tech enterprise that integrates together industrial robot R&D and manufacturing, control system development, and vision system development, as well as intelligent manufacturing solution and equipment support. Nowadays, Robotphoenix has been regarded as one of the global leading providers of full-category robots and intelligent manufacturing systems in light industry. The company possesses a comprehensive product matrix of lightweight industrial robots and core components, including delta robots, SCARA robots, six-axis robots, AGV robots, wafer handling robots, robot controllers, general controllers, vision systems, etc. Its product has been distributed in more than 100 cities in China and exported to more than 20 countries and regions such as Europe, North America, Latin America and Southeast Asia, the high stability and cost-effectiveness of its products have been highly recognized by the market and customers.



Specialized Medical Device and Pharmaceutical Packaging Equipment Supplier

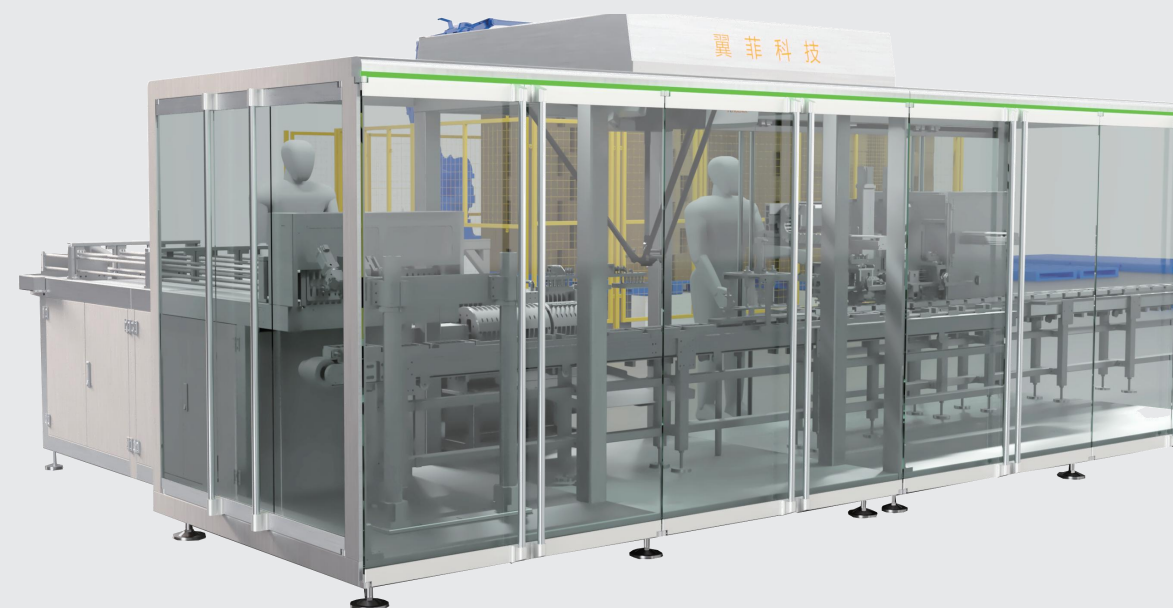
An Intention to Create Perfection

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Syringe Packaging Unpacking, Packing and Sealing Integrated Machine

- Unpacking
- Packing
- Sealing

The syringe unpacking, packing and sealing integrated machine is a packing system that integrates carton unpacking, robot packing and sealing. Compared with traditional production line equipment, it has higher integration, smaller footprint and stronger adaptability. It can meet the adjustment and compatibility of various specifications of products on the same equipment, solving the problem of large footprint and high labor intensity of conventional packing machines.

This system has many application scenarios, such as packing of small boxes of medicines, packing of plastic-sealed packaging products, packing of small boxes of syringes into large cartons, etc. It is also suitable for the packing needs of food, daily chemicals and other light industrial industries.

Equipment parameters	
Applicable product dimensions	1ML、2ML、5ML、10ML、20ML、30ML、50ML syringes
Production speed	30 plates/min
Working pressure	0.5-0.7MPa
Power supply	380V
Power	12KW
Dimensions (L×W×H)	4600mm*2500mm*2250mm

Automated Ampoule Packaging Line Based on Flexible Packaging Materials

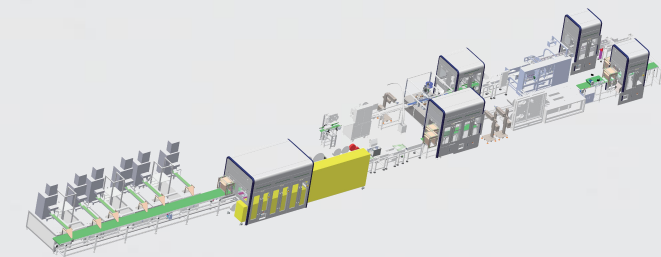


This packaging line is an automated ampoule packaging line based on flexible packaging materials for the pharmaceutical packaging industry. It has overcome four major challenges in automatic packaging with flexible materials: difficulty in loading sponge trays (caps), difficulty in high-speed grasping of glass ampoules, difficulty in inserting sponge trays, difficulty in placing sponge trays into cartons. It replaces manual packaging and is successfully applied to mass production for the first time at home and abroad, significantly improving the production efficiency of pharmaceutical packaging based on the use of flexible packaging materials.

This packaging line consists of a sponge tray loading mechanism, a delta robot bottle loading mechanism, a vision inspection system, a delta robot cap loading system, an automatic cartoning machine, a weighing machine, a laser marking system, a drug supervision code system, an automatic wrapping machine, a robot automatic unpacking and packing system, a labeling machine, a carton sealing machine, a strapping machine and a robot automatic palletizing system.

Equipment parameters			
Applicable product dimensions	L(160-200mm)*W(115-145mm)*H(20-30mm)	Power supply	380V
Production speed	80 boxes/min	Power	60KW
Working pressure	0.5-0.7MPa	Dimensions (L×W×H)	23000mm*12800mm*2200mm

Automated Production and Packaging Line for Medical Dressings (Medicine Packs)



This equipment includes 19 workstations from feeding small medicine packs to carton bundling. It supports the automated production of plaster patches and ampoule bottles from forming to bundling and packaging.

The equipment has a production efficiency of 150 patches/minute in the patch making and bagging sections. The discrete materials (such as small medicine packs, patches, etc.) are automatically loaded by delta robots under visual guidance. The roll materials (such as adhesive patches, lining cloth, four-side sealed bags, etc.) are automatically cut, compounded, formed, and circulated by the equipment. The product quality is tested through weighing, pressure and vision inspection.

This equipment can be connected to automatic packing, palletizing, and warehousing systems.

Equipment parameters			
Compatible cartoning capacity	2-packs, 3-packs, 5-packs, 10-packs	Power supply	380V
Production speed	150 packs/minute	Power	60KW
Working pressure	0.5-0.7MPa	Dimensions (L×W×H)	36500mm*5000mm*2200mm