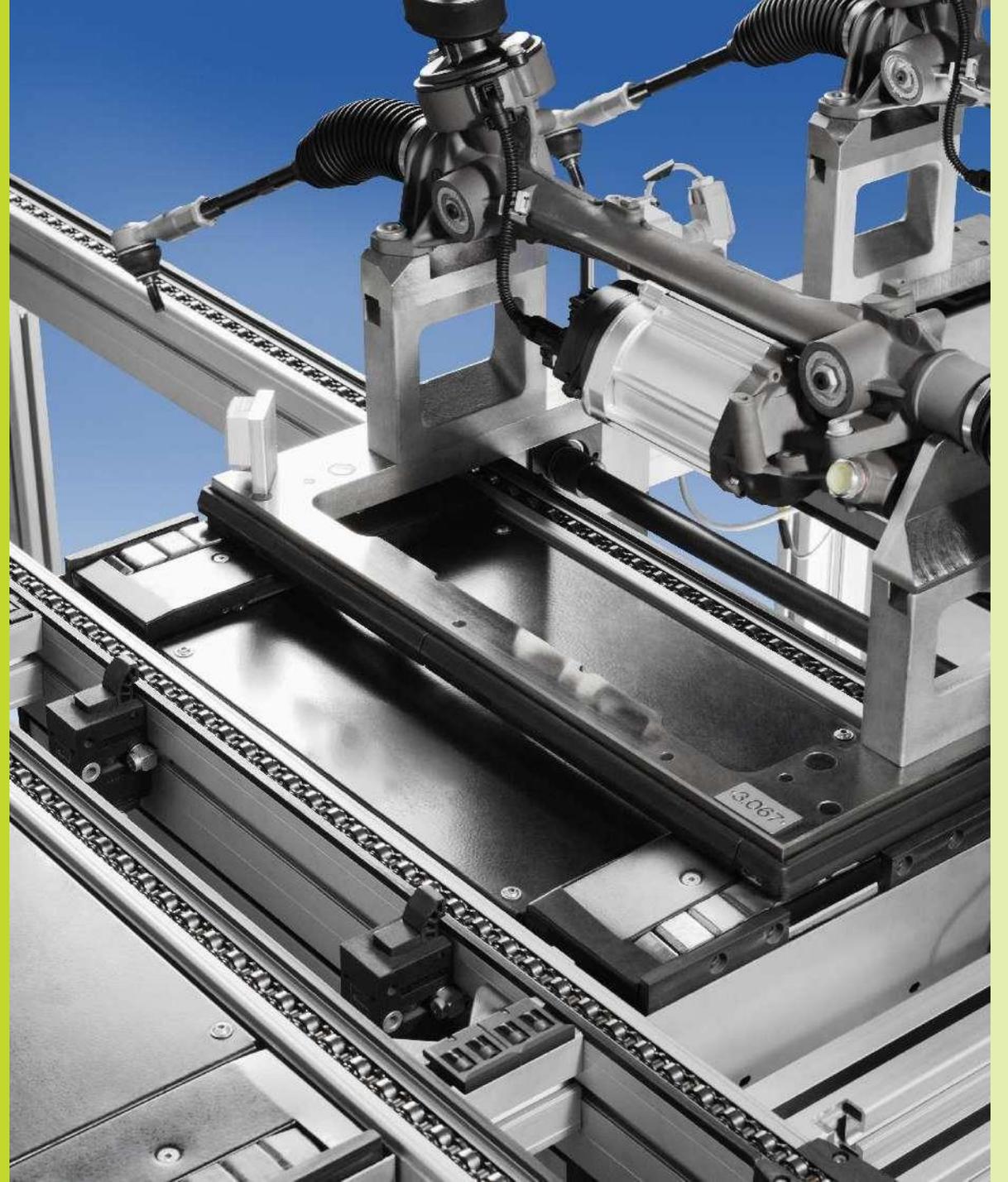


Vitrans

Company Profile

 **Vitrans**
Vitrans Automation



Introducing
About Us

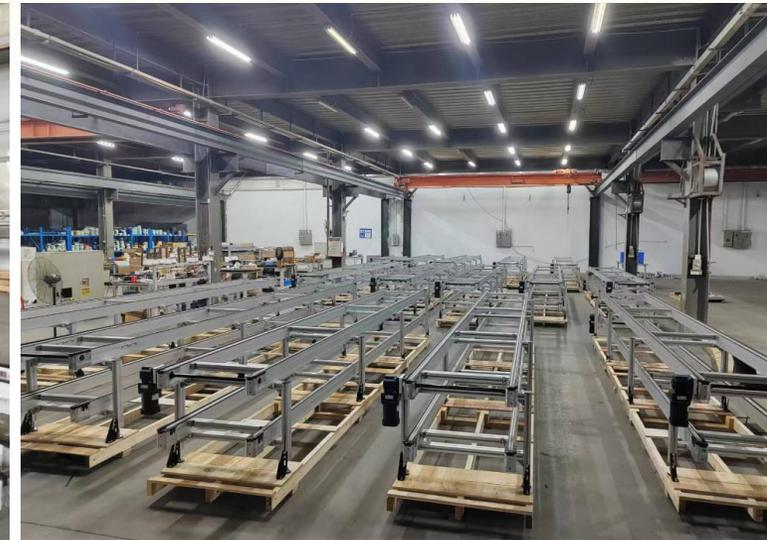
01

Dongguan Vitrans Automation equipment Co.,Ltd

 **Plant Size** 25000m²

 **Employee** 200+

 **Sales Volume** 2亿
+



Product Series: **Pallet conveyor system**



New energy industry



Automotive industry



Home appliance industry



Electronic industry



Other industry

Product Series: **Belt conveyor**



Home appliance
industry

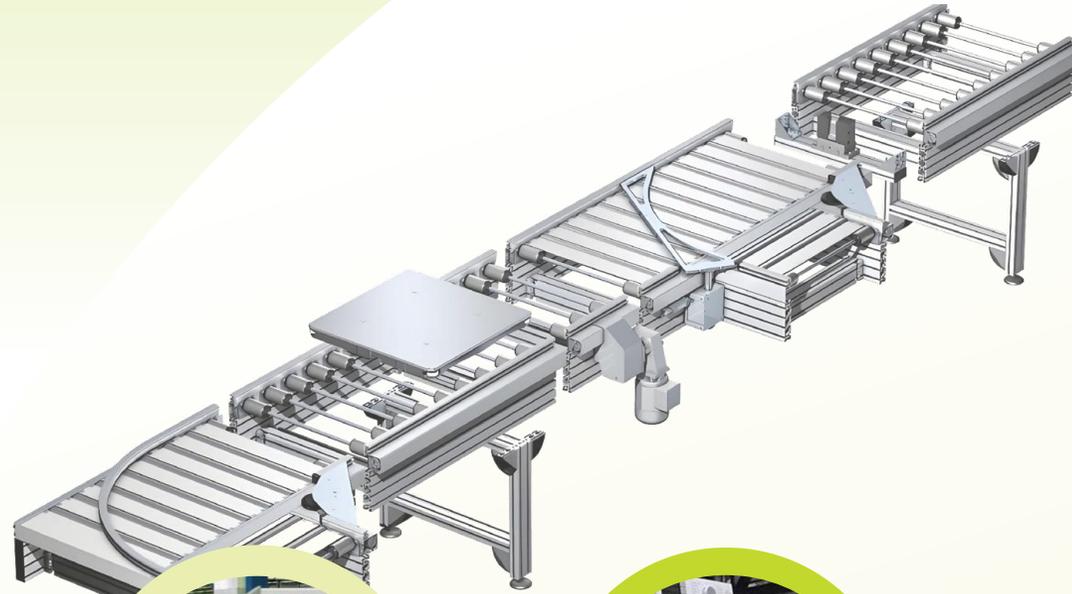


Electronic industry



Other industry

Product Series: **Roller conveyor system**



New energy industry



Automotive industry



Home appliance industry



Other industry

Product Series: **Flexible chain conveyor system**



Food industry



Medical industry



Packing industry



Other industry

Product Series: **Rail guide conveyor system**



Automotive industry



Semiconductor industry



Electronic industry



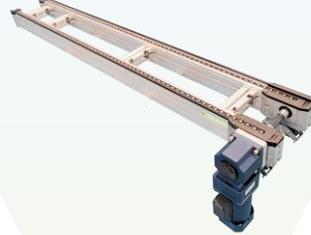
Other industry

Modular product design

Plastic chain conveyor



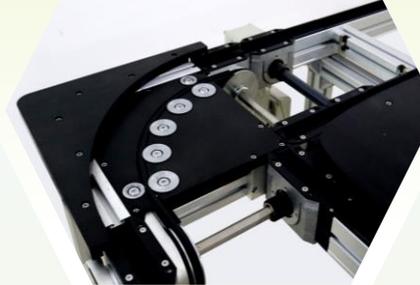
Accumulated chain conveyor



Belt conveyor



Belt curve



Flat top chain curve



Servo lifter



Pneumatic lifter



Lift and rotate unit



Lift and locate unit



Pallet



Lift and transfer unit



Providing professional conveying solution to all the industries

Excellent product quality



All the designs were verified by over 3 years testing, warranty 1 year for all parts

Efficient layout construction



Provide conveying solution within 1 day

Standardized product manufacturing



Efficiency and stable

Fast deliver time



Deliver in 2~4 weeks after order confirmed

Competitive product prices



At least 30% off when compare to other brands

After sales guarantee



24 hours online support and On-site support from agents

History

Marketing

2012

Study the inquiries from different industries and successful conveying solutions.

Product R&D

2014

Finish the conveyors and related mechanism design and verify the durability. Keep optimizing.

Start targeting the market

Product Standardization

2016-18

Standardize product design, assembling process to optimize product quality and cost.

OEM for China local listed integrators

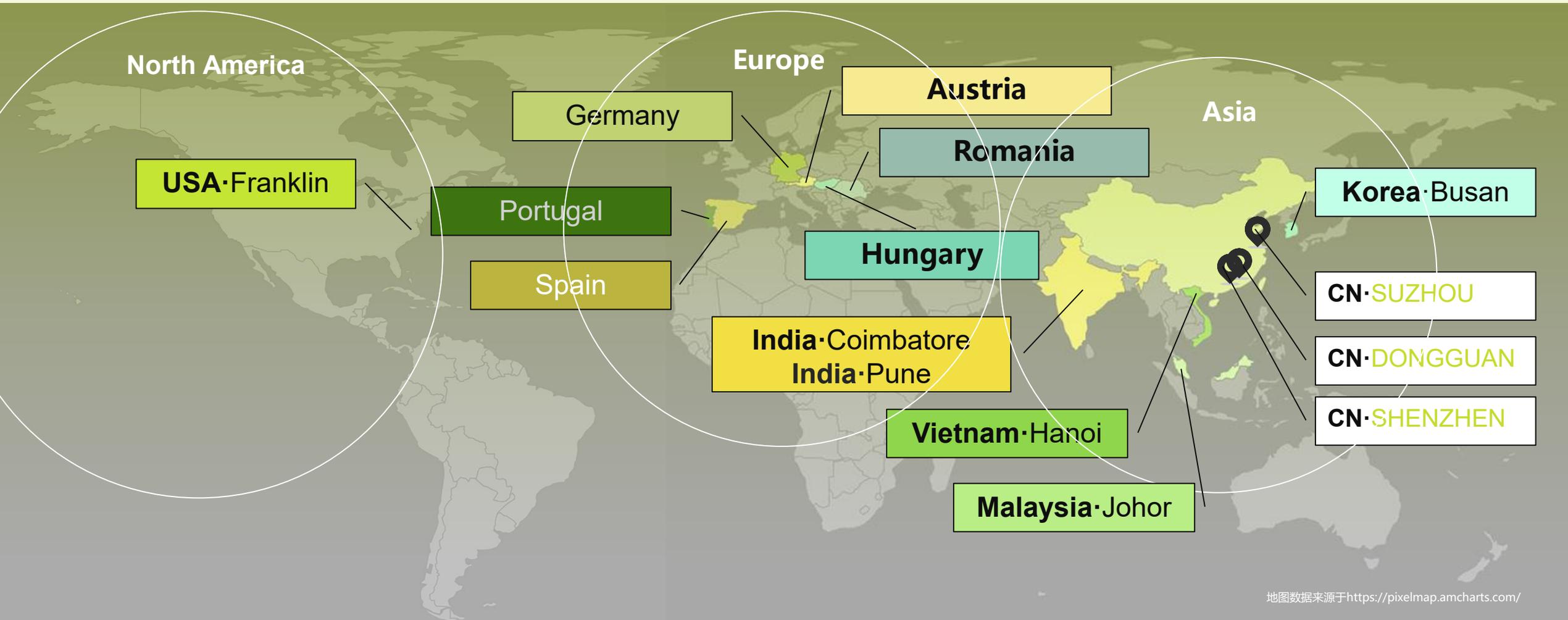
Brand Marketing

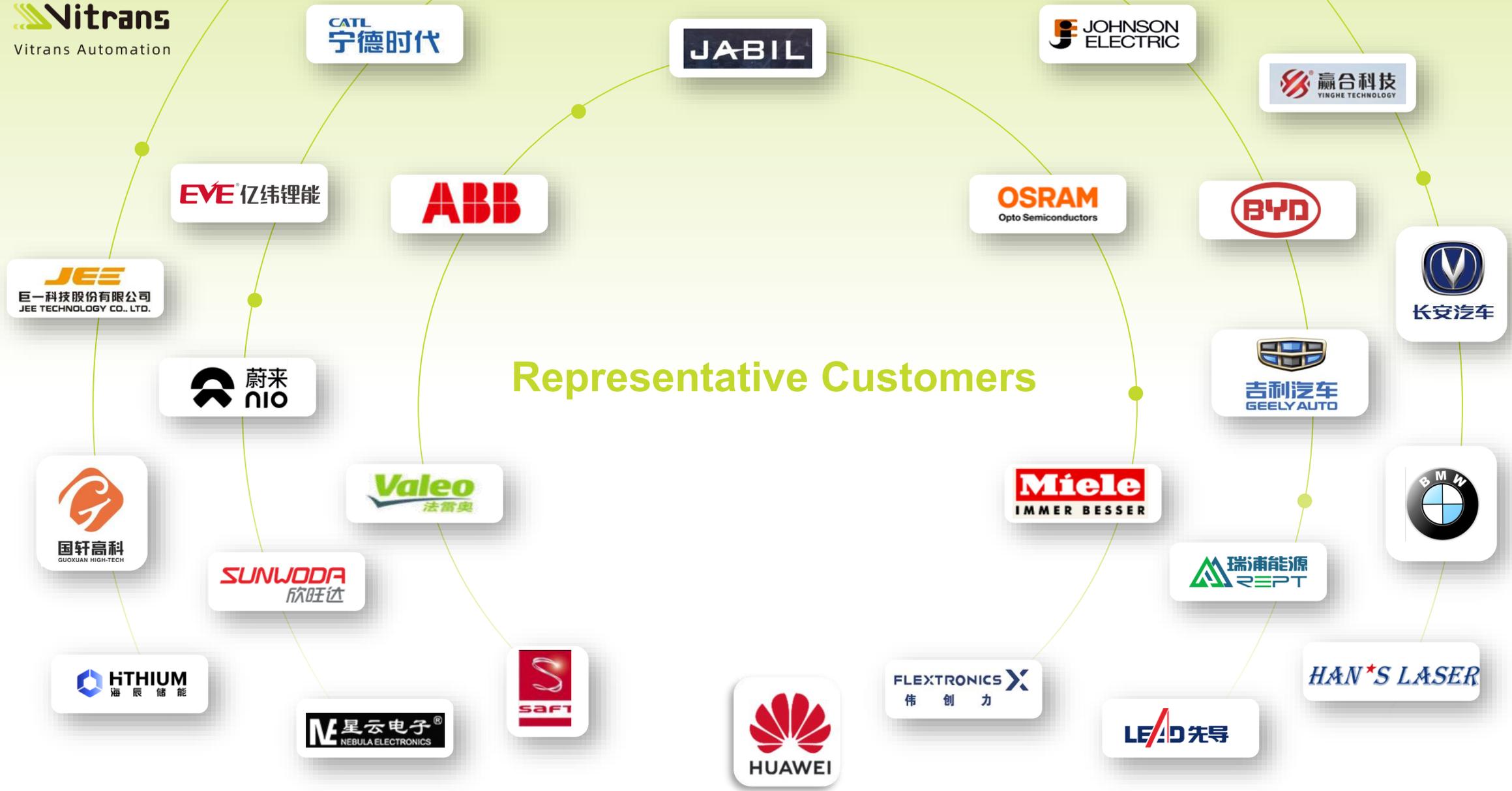
2019

Register VITRANS as our conveyor brand. Keep researching for new conveying products

Focus on brand value, promote it to the entire industry

Sales partner in the world





Suppliers

FESTO

Rexroth
Bosch Group

SIEMENS

SUMITOMO

OMRON

KEYENCE

INOVANCE

Panasonic

PHOENIX CONTACT

AirTAC

RA Rockwell Automation

SICK

THK

A **Nitrex** Group Company
SHIMPO

CKD

SMC

SEW EURODRIVE

About Successful Cases

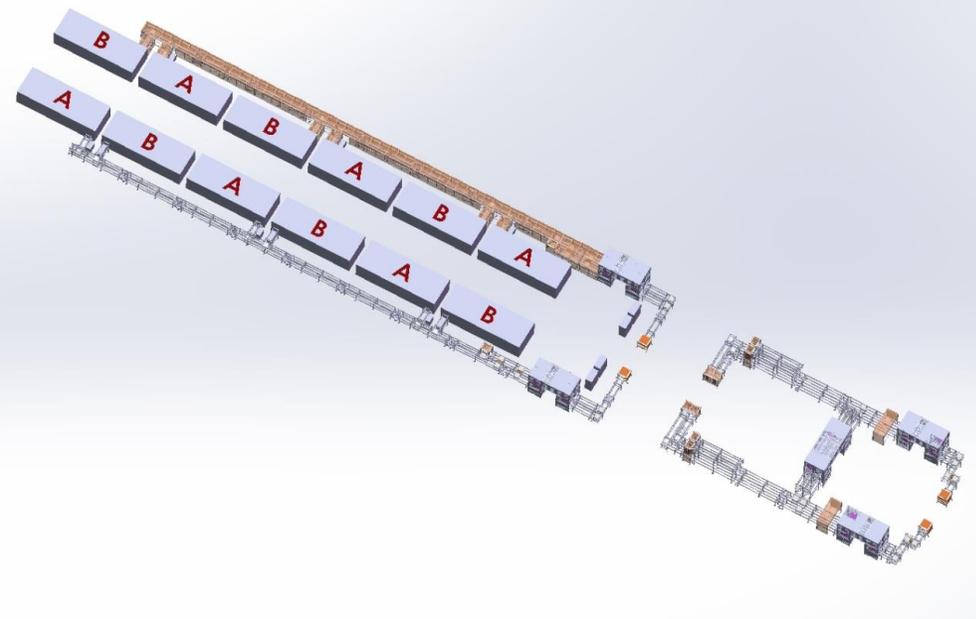
02

Successful Cases

Battery cell

Winding to hot pressing process

1. Production Capacity 24PPM
2. 100% automatic production line

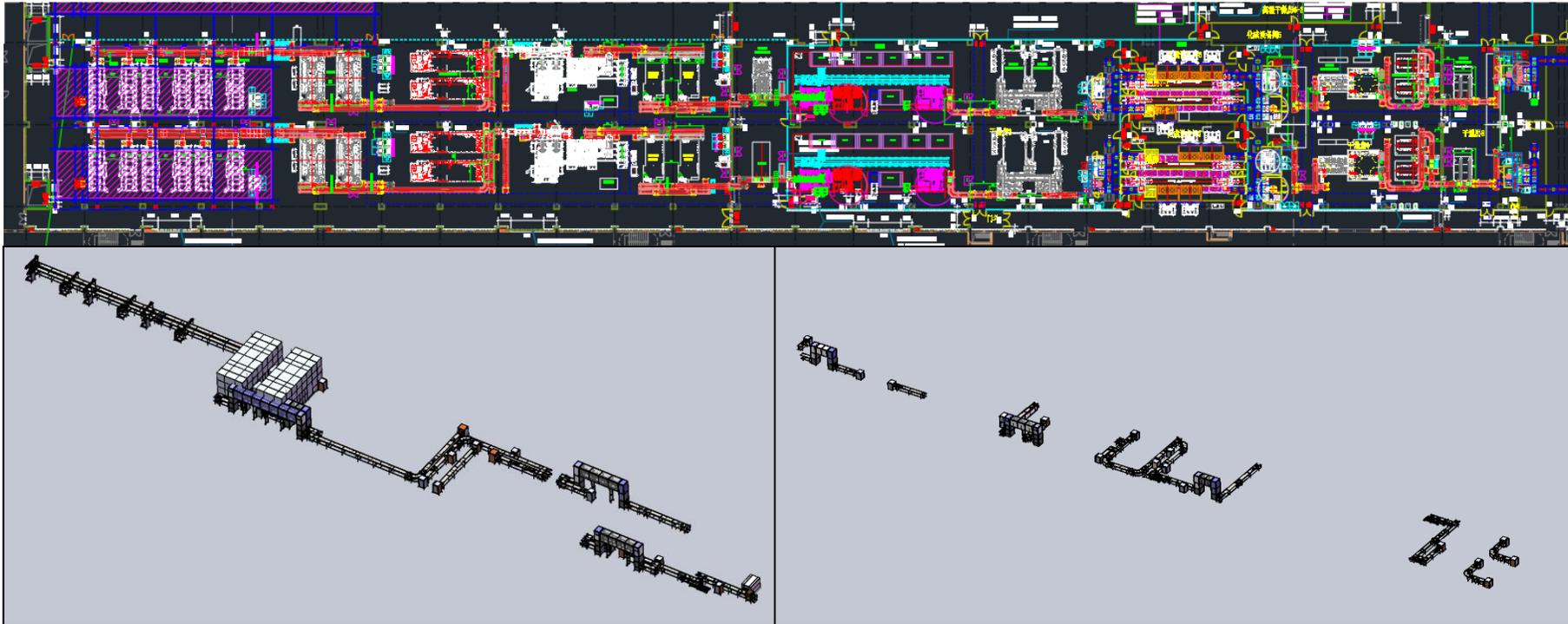


Successful Cases

Battery cell

Assembly to module process

1. Production Capacity 50PPM
2. 100% automatic production line

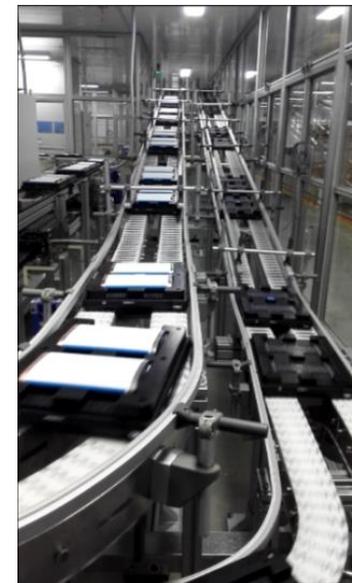


Successful Cases

Battery cell

Assembly to module process

- 1. Production Capacity 30PPM
- 2. 100% automatic production line

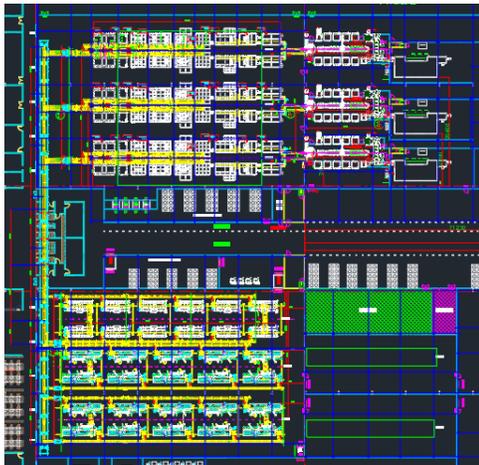


Successful Cases

Battery cell

Winding to hot pressing process

1. Production Capacity 36PPM
2. 100% automatic production line

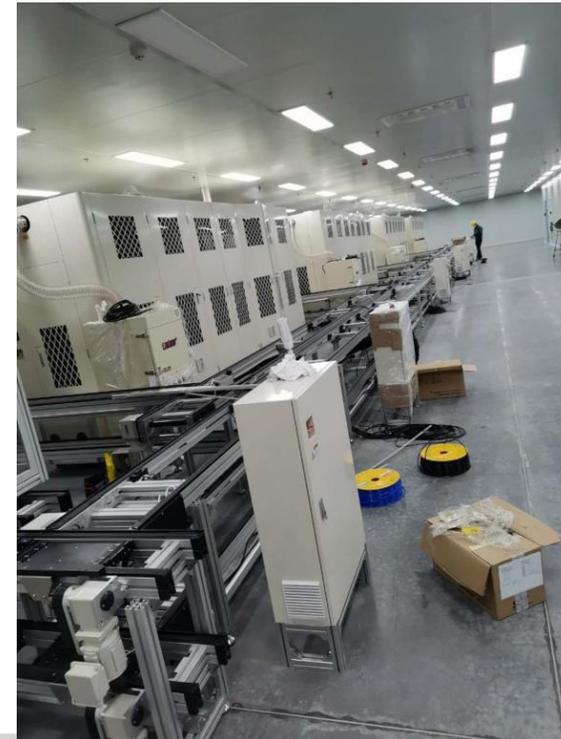
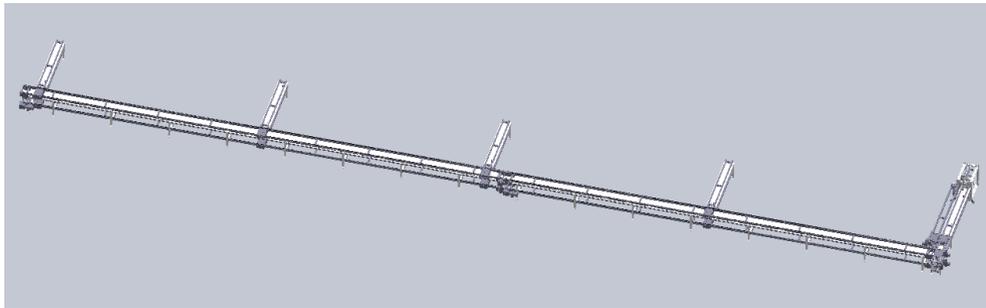
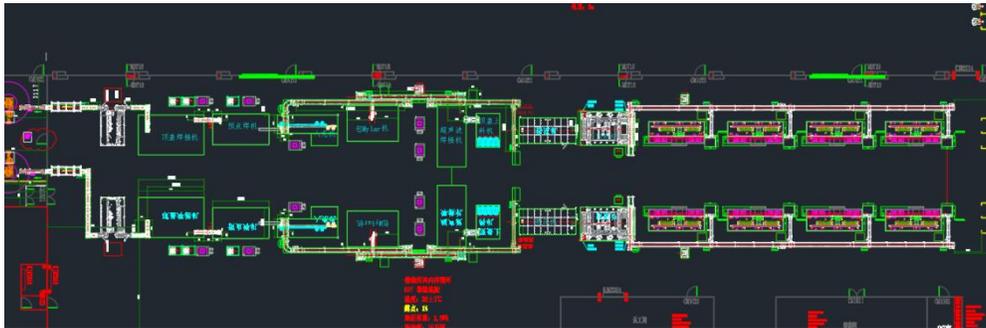


Successful Cases

Battery cell

Stacking to hot pressing process

- 1. Production Capacity 40PPM
- 2. 100% automatic production line



Successful Cases

Battery cell

Assembly to module process

1. Production Capacity 5PPM
2. 100% automatic production line

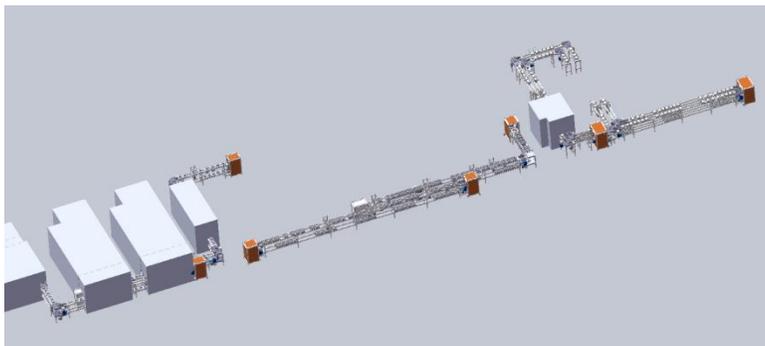


Successful Cases

Battery cell

Assembly to module process

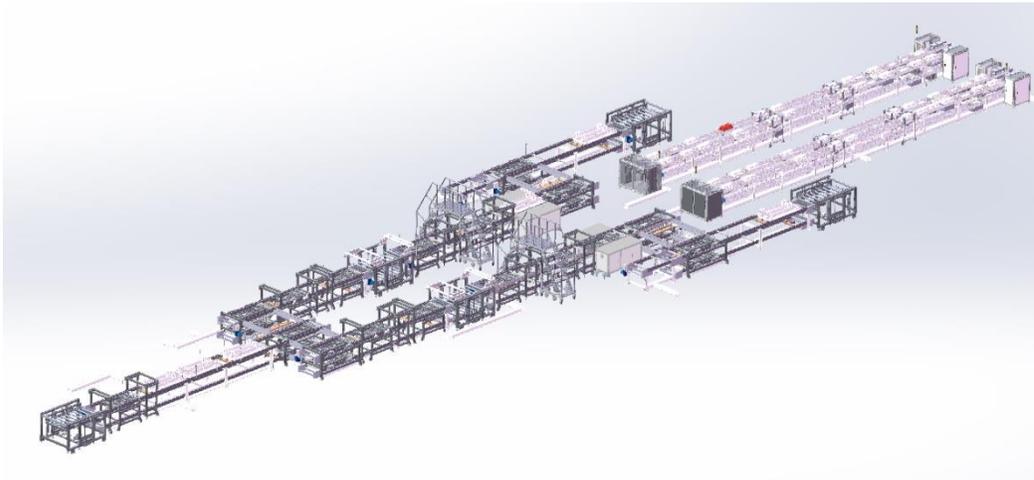
- 1. Production Capacity 15PPM
- 2. 100% automatic production line



Successful Cases

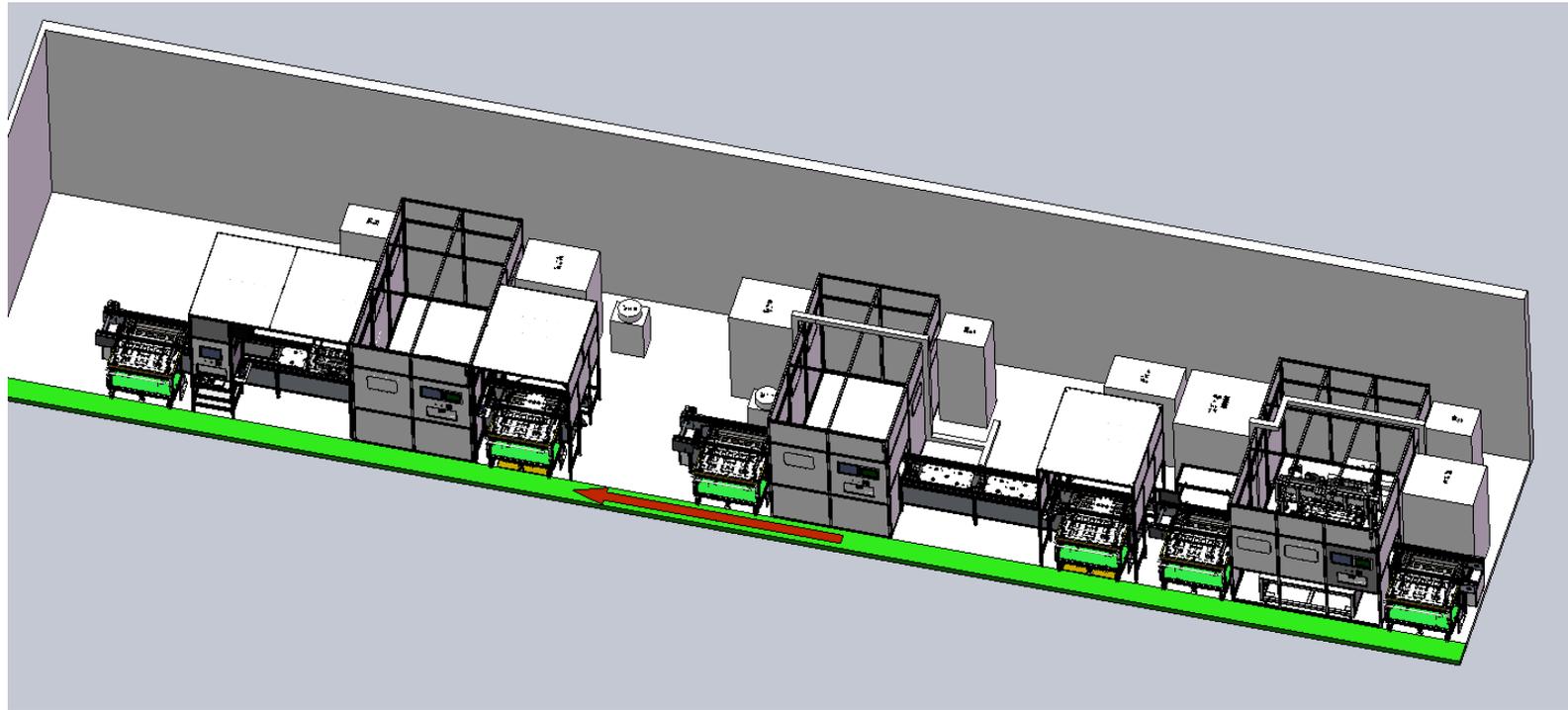
Battery module

1. Battery module assembly line
2. Pallet load 300KG
3. Conveyor system with 12B heavy duty chain conveyor and 14 sets customized lift and locate unit, lift and transfer unit, elevators.



Battery module

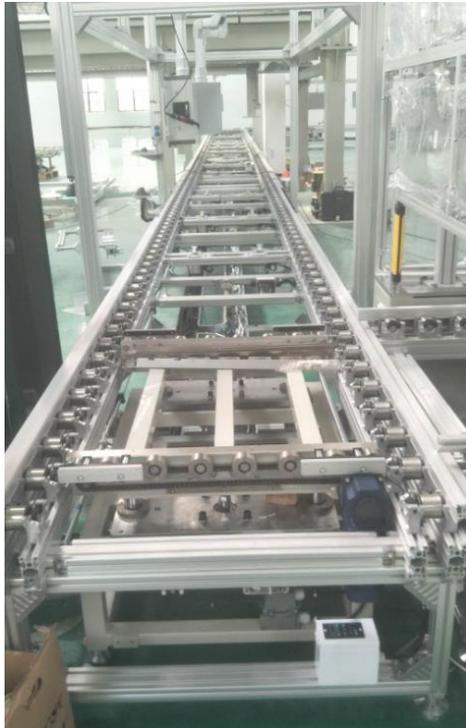
1. Battery module testing line
2. Module weight 145KG
3. Conveyor system with chain conveyor, lift and locate unit, lift and transfer unit, lift and rotate unit.



Successful Cases

Battery pack

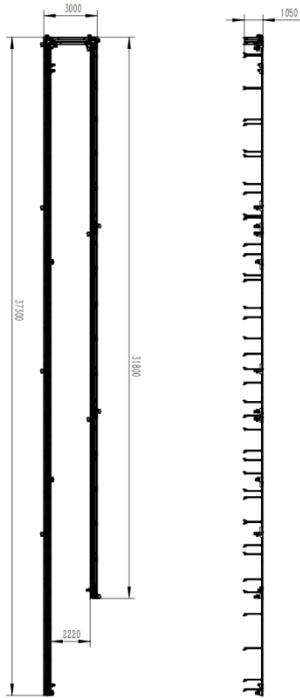
1. Battery pack testing line
2. Pack weight 450KG
3. Conveyor systems with accumulated king shaft roller conveyor, heavy duty lift and locate unit, lift and transfer unit, turn table, heavy duty elevator.
Totally 21 work stations.



Successful Cases

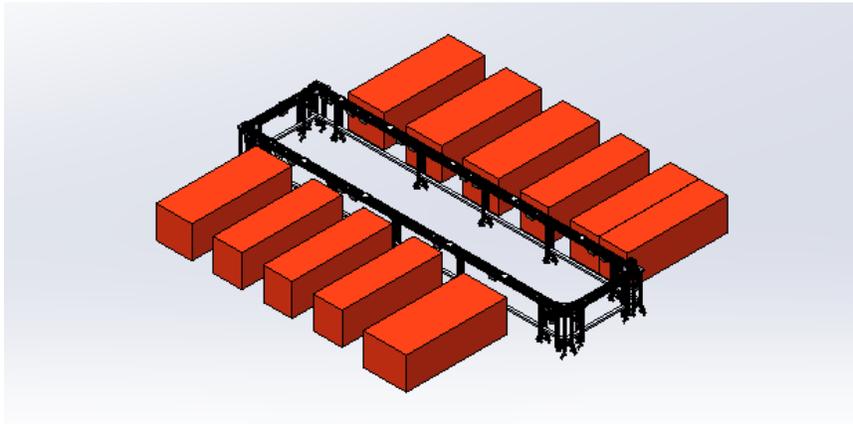
Motor assembly

1. Conveyor total length 40 meters.
2. U shape layout for car window motor assembly and testing.
3. 100% automatic line



Motor assembly

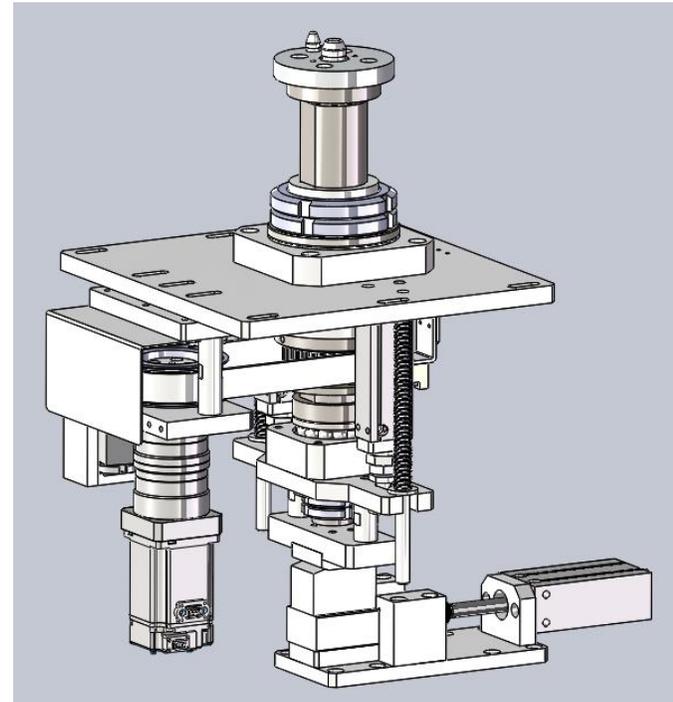
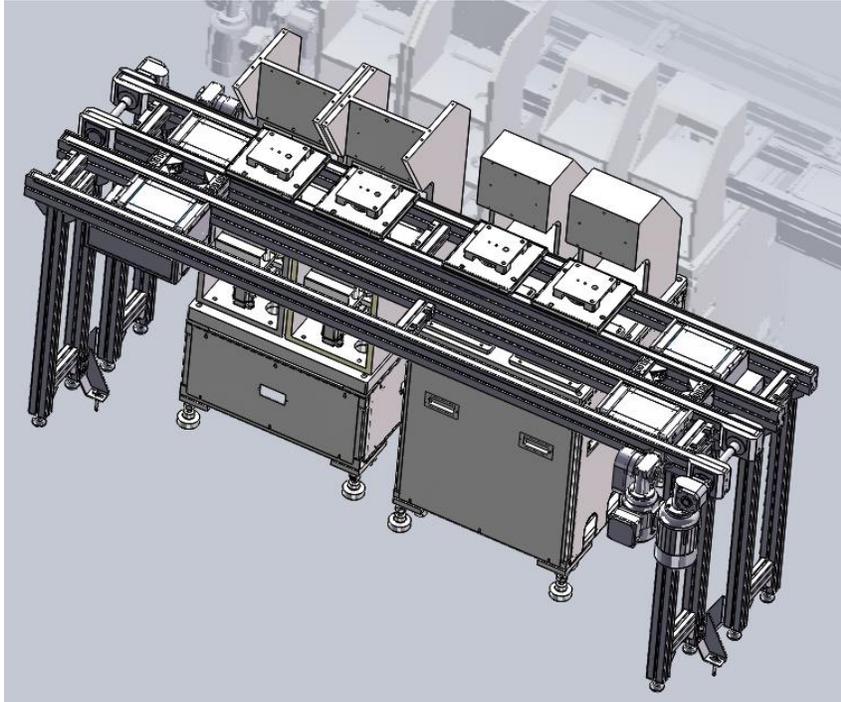
1. Horizontal circulate conveyor system, total length 50meters.
2. 100% automatic.



Successful Cases

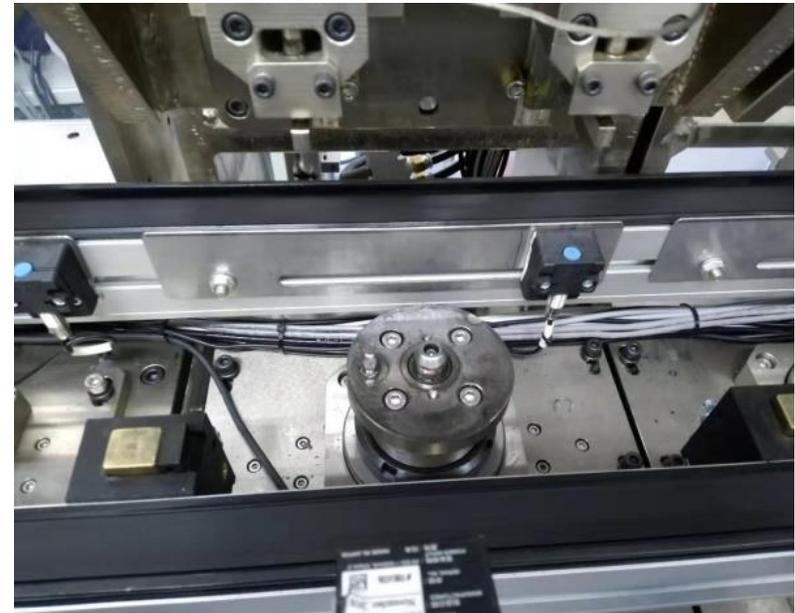
Motor housing

- 1.Housing magnets pressing and height testing
- 2.Customized lift and rotate unit can rotate to multi angle with precision $\pm 0.05^\circ$.
- 3.Pressing force 1 ton.



Successful Cases

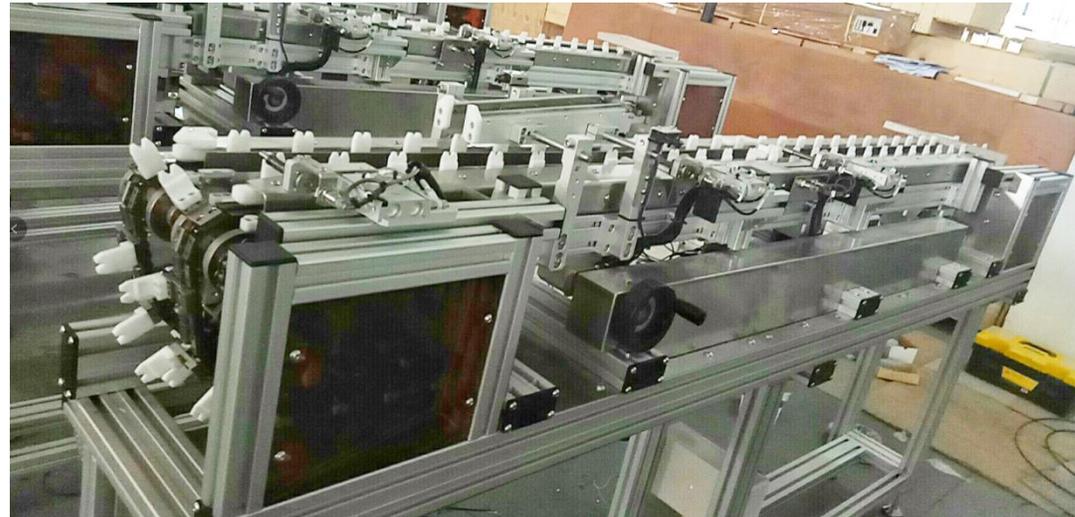
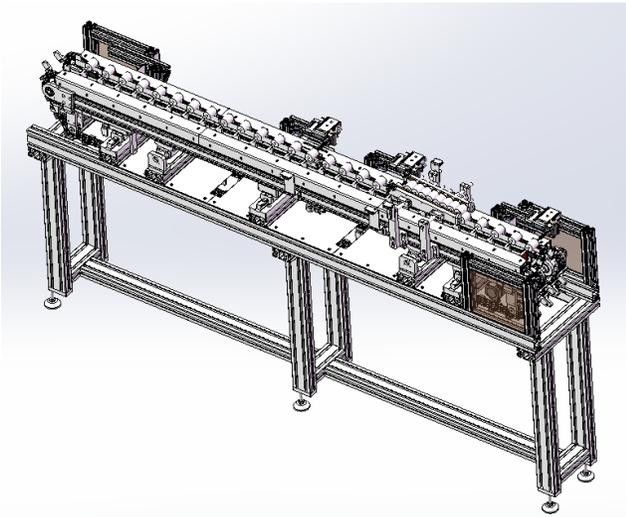
Motor housing



Successful Cases

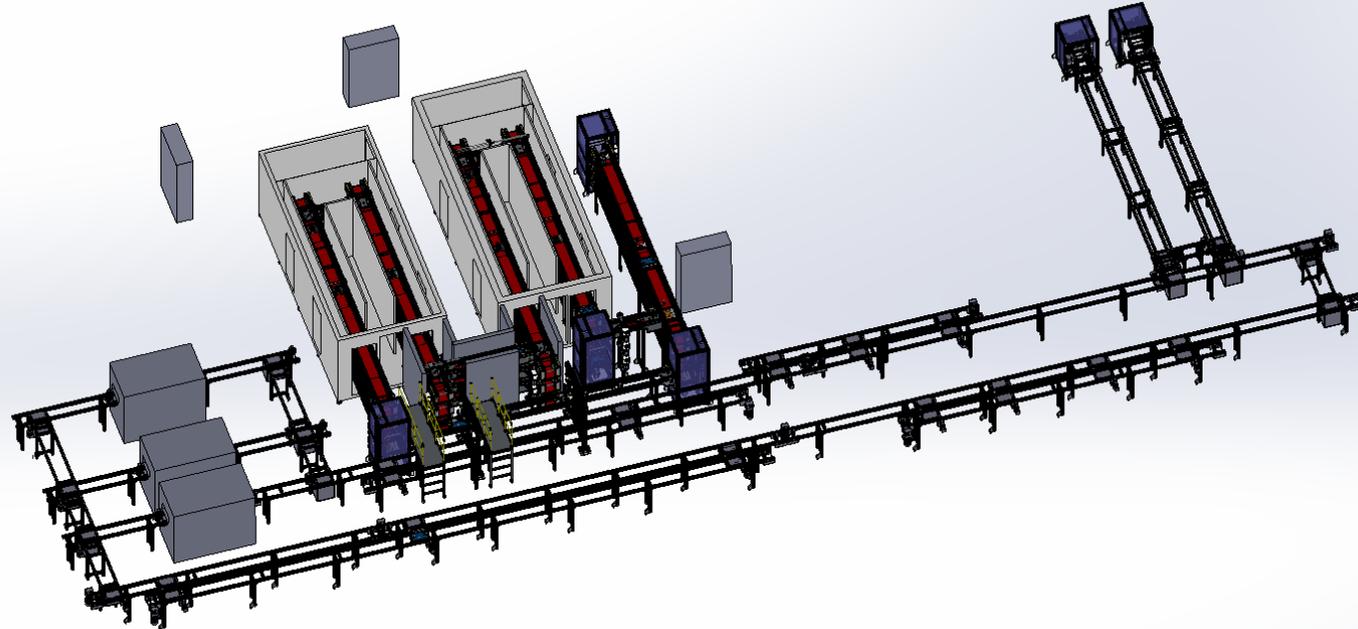
Motor rotor

1. Motor rotor testing line. Cycle time 2s.
2. Positioning precision $\pm 0.015\text{mm}$
3. Adjustable conveyor width to fit different rotor size.



Motor assembly

1. Motor gluing and aging process
2. Belt conveyor for motor assembling outside oven.
3. Motor transfer on customized chain conveyor in oven, aging at temperature 150°C for 20mins.



Successful Cases

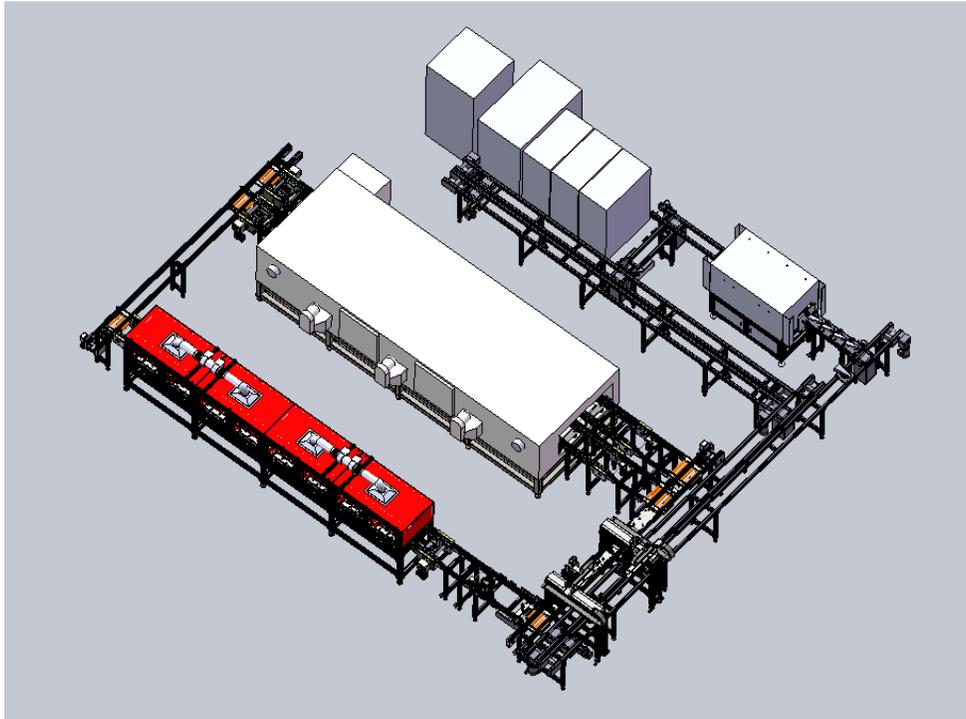
Motor assembly



Successful Cases

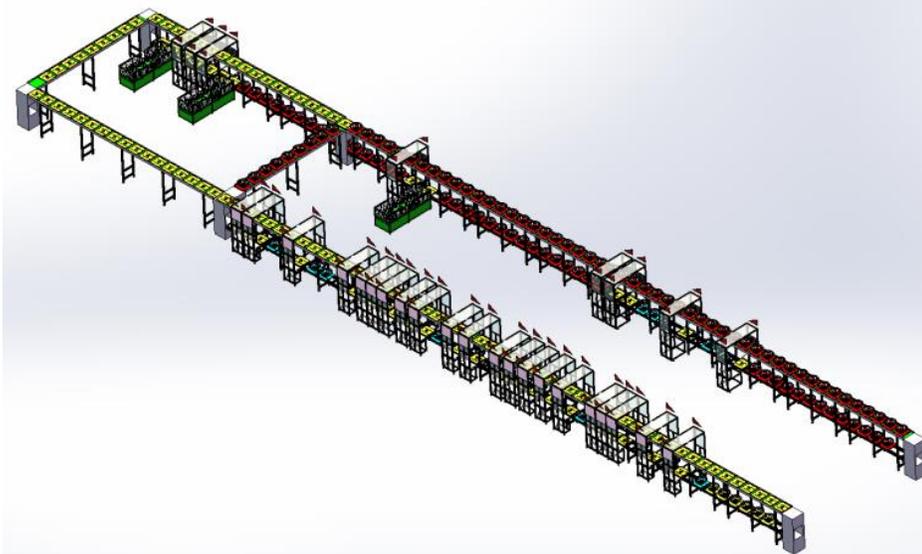
Motor PCBA

- 1.PCBA assembling-Welding-Vacuum glue filling-Baking.100%
- 2.100% automatic production line, cycle time 15s.
- 3.Baking temperature: $150\pm 10^{\circ}\text{C}$ for 8 mins.
4. Double layer conveyor with elevators. Belt conveyor outside oven, customized chain conveyor in oven.



Car audio assembly

- 1.22 automatic stations. 7 manual work stations.
- 2.Double layer conveyor system, U shape layout
- 3.Cycle time:4mins



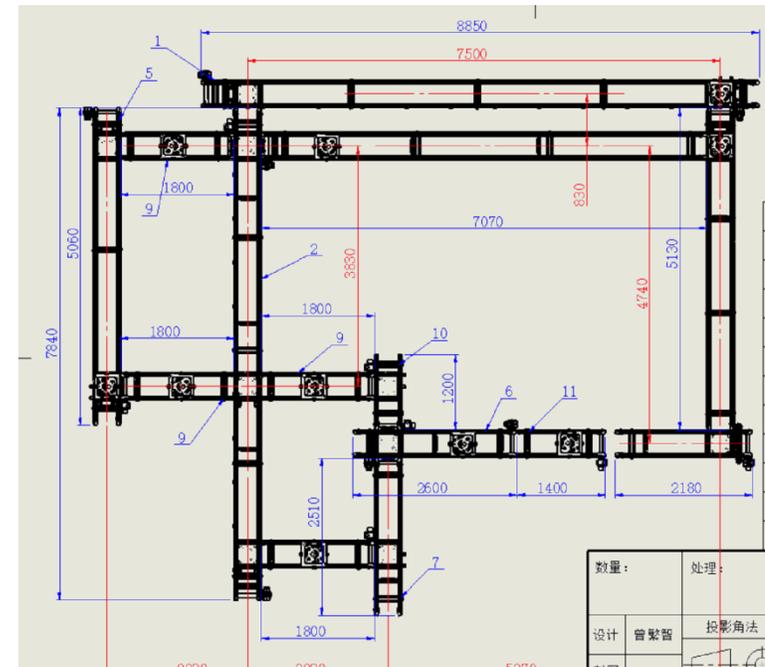
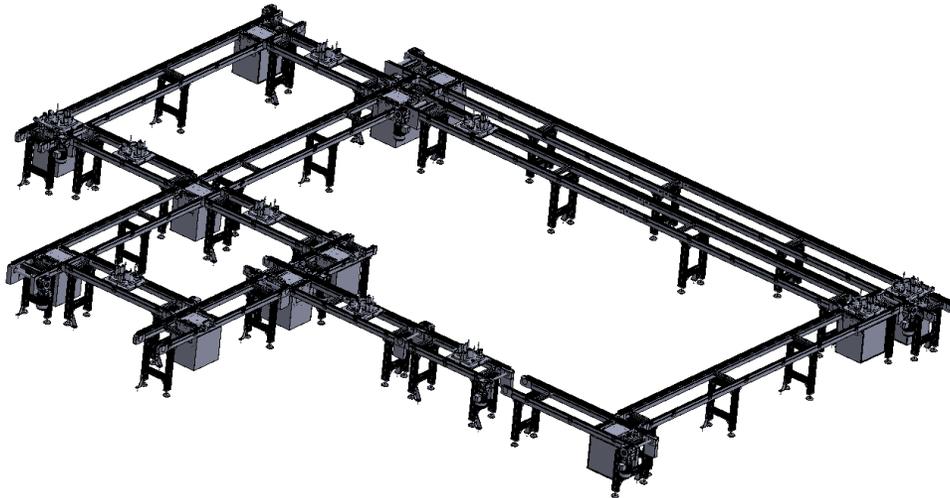
Car shock absorber assembly

1. Assembly line total length 46meters
2. 16 assembly stations
3. Double layer conveyor system to save space



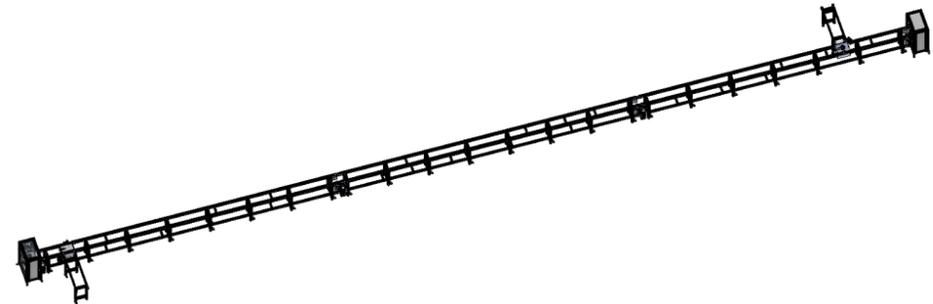
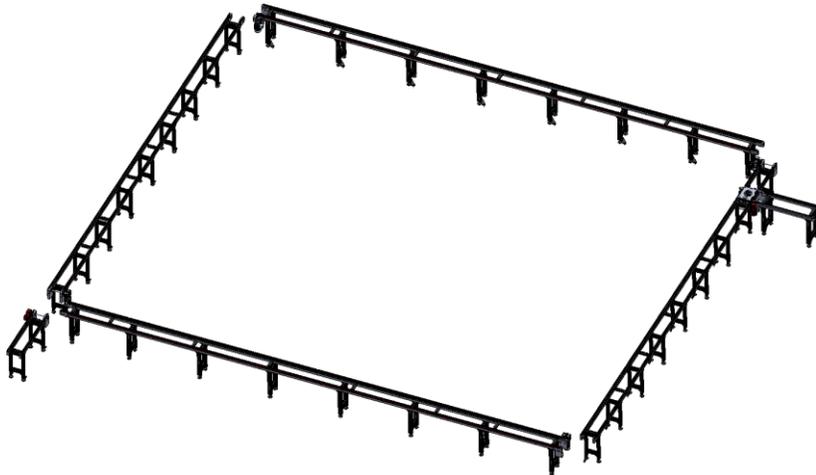
Car motor assembly

- 1. Conveyor total length 35meters
- 2. 14 assembly stations
- 3. Horizontal circulate conveyor system



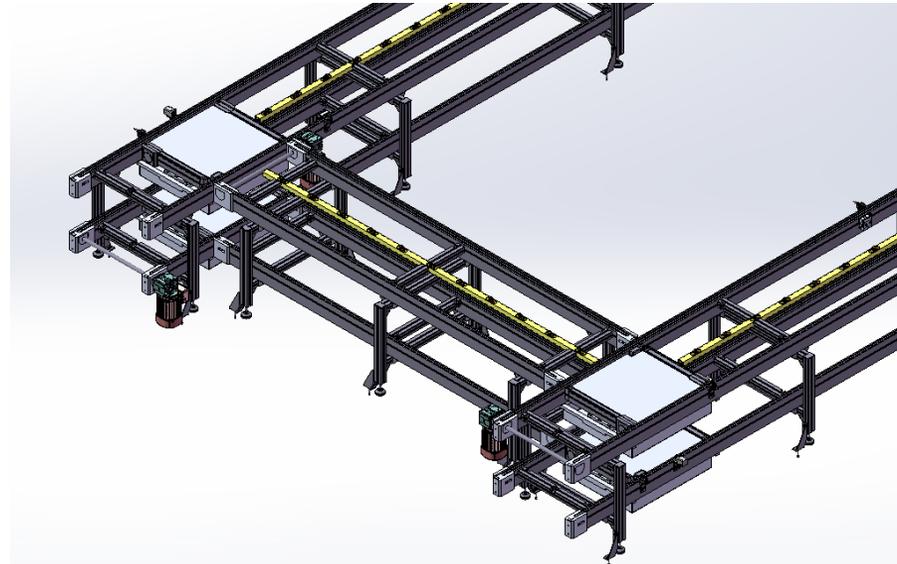
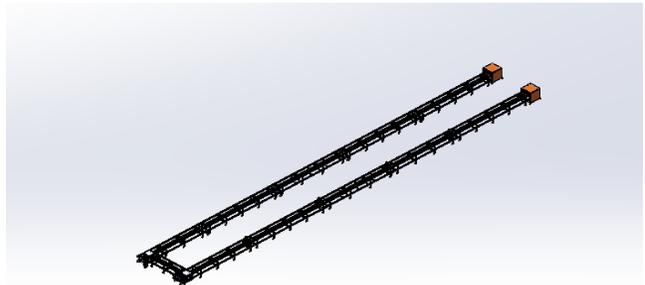
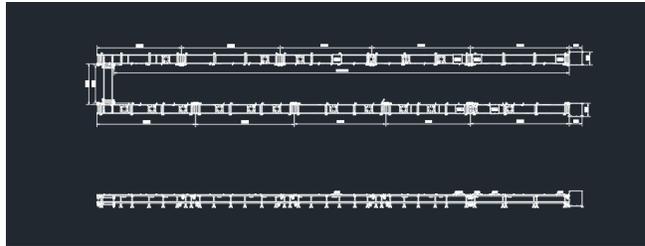
Car motor assembly

- 1.08B accumulated chain conveyor, total length 50meters.
- 2.Horizontal circulate system and double layer system for different sub assembly processes.



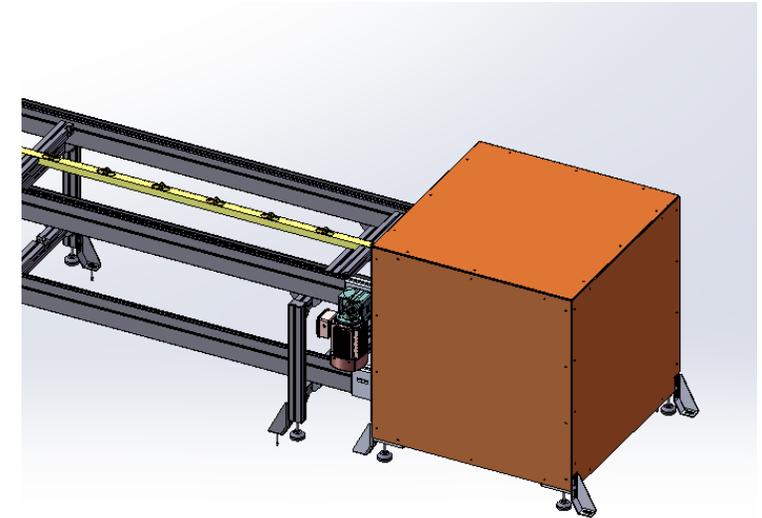
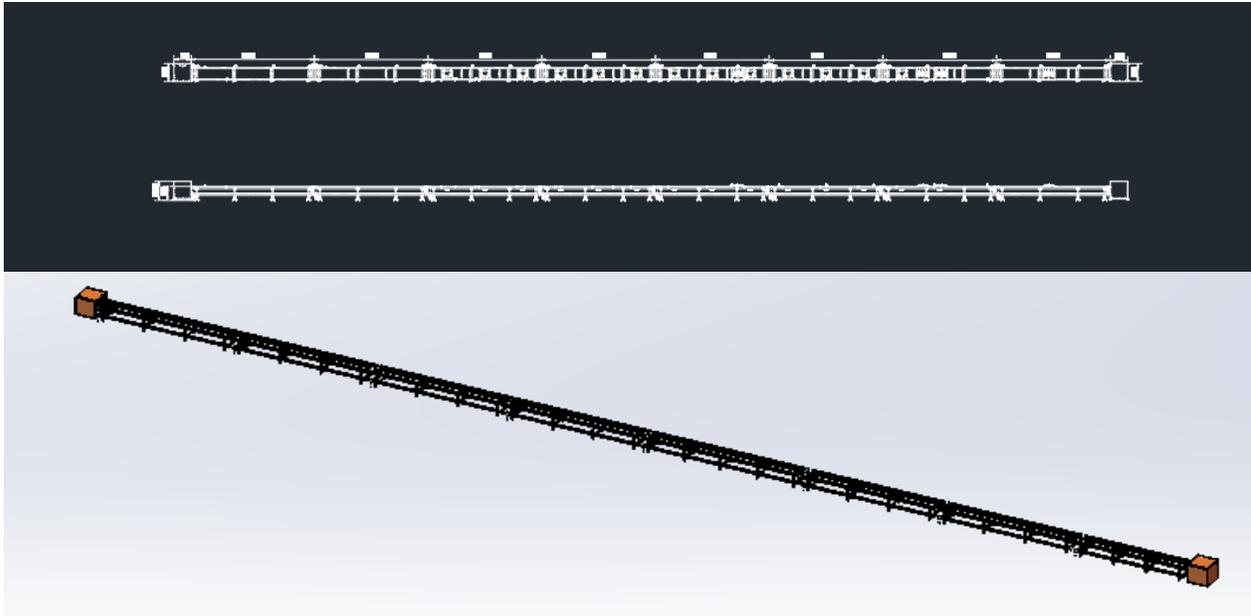
Car electronic assembly

- 1.U shape plastic conveyor, total length 140meters.
- 2.Conveyor with electric rail
- 3.Double layer assembly line.



Car electronic testing

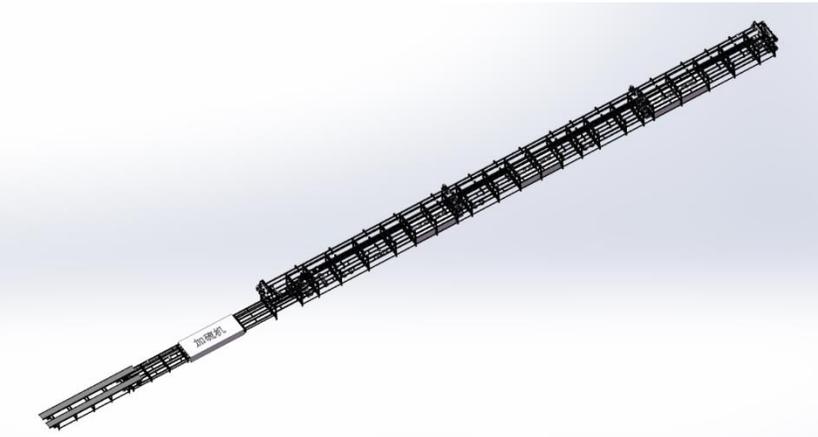
1. Double layer plastic roller conveyor system, total length 50meters
2. Conveyor with electric rail



Successful Cases

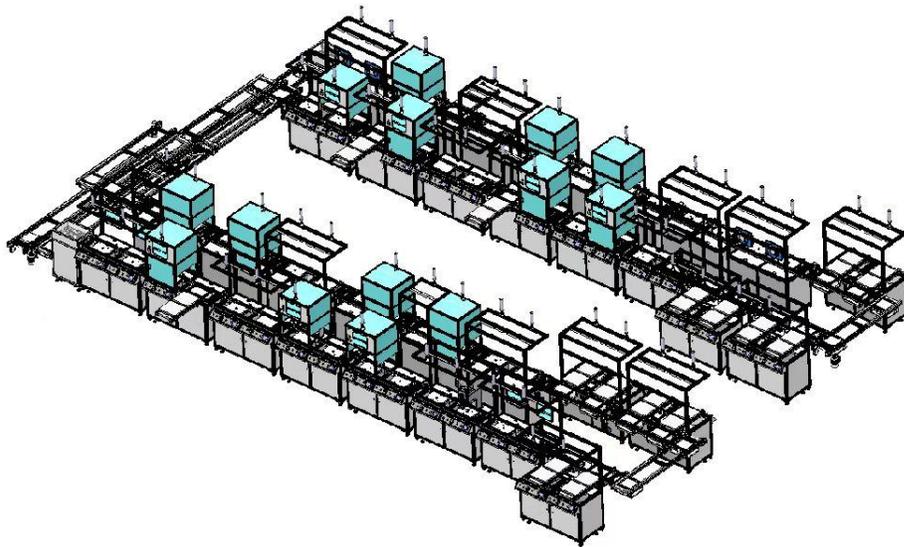
Shoes assembly

1. Double layer chain conveyor system, total length 55meters.
2. Top layer with customized chain conveyor for gluing and aging processes.
3. Bottom layer for empty pallet returning.



Air blower assembly

- 1.The production line is combined with 1.5meters timing belt conveyor.
Customer can flexibly add or remove stations.
- 2.Conveyor total length 90meters, totally 34 work stations.



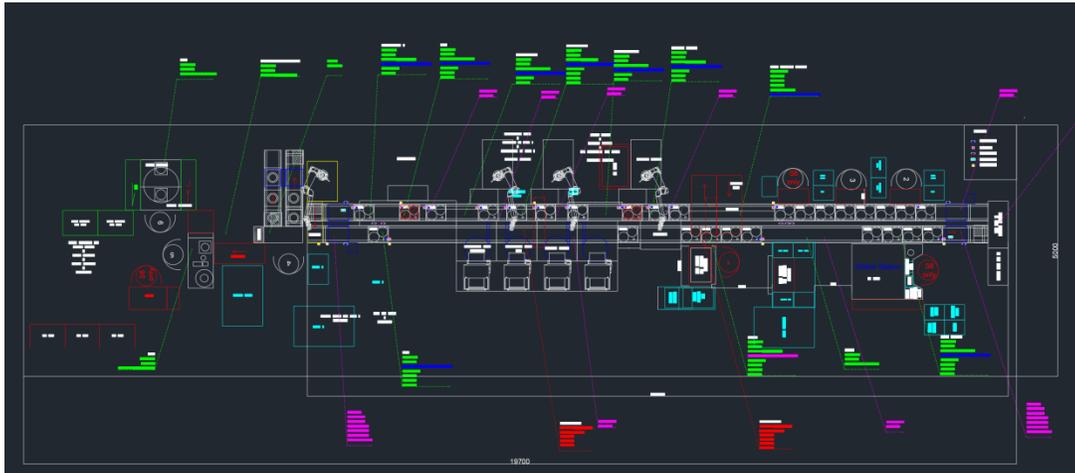
Sweeping robot assembly

1. Product transfer by belt type pallet conveyor. Each stations can be controlled by manual button or connected machine signal.
2. Double layer conveyor length 90meters, totally 30 stations.



Vacuum cleaner assembly

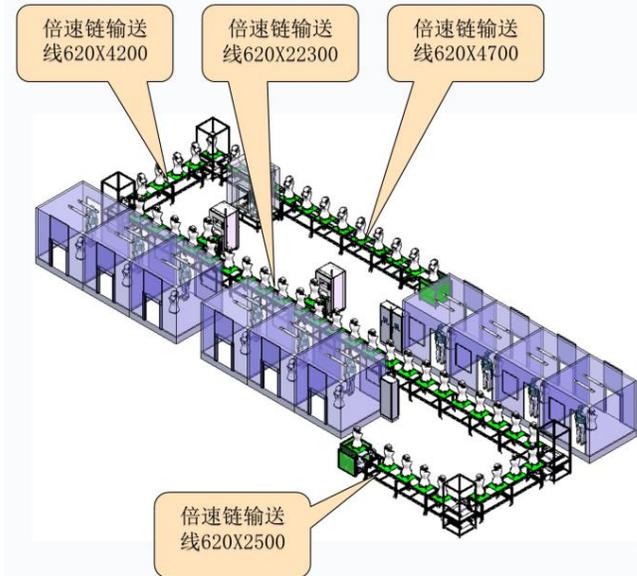
1. Belt type pallet conveyor, semi automation
2. Horizontal circulate layout, total length 46 meters, 21 work stations.



Successful Cases

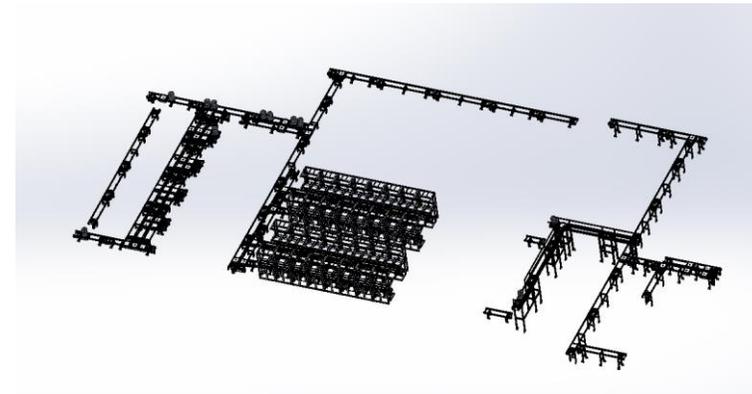
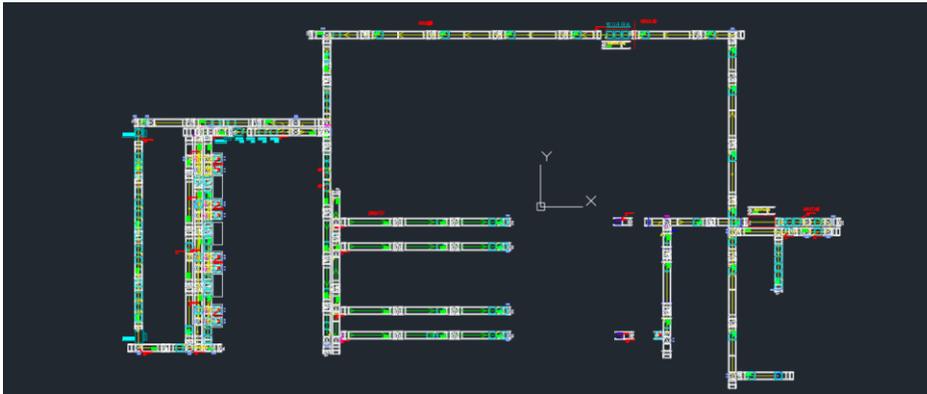
Service robot assembly

- 1.08B accumulated chain conveyor system for robot head, arms, final assembly, aging process and packing.
2. Conveyor total length 600 meters, payload 90kg.



Automated decocting medicine

1. Belt type pallet conveyor system, total length 200 meters.
2. Divided into a fully automatic dispensing and decoction area, as well as an empty and dirty bucket reflux area.



Successful Cases

Bottle production

1. The system is divided into 2 section
Injection – blowing: pallet conveyor system
Labelling – warehouse: flexible chain conveyor system.
2. Production capacity 48ppm;



Vitrans Automation

THANK YOU

