



KUNSHAN KETENG ELECTRONICS

昆山可腾电子

Company Profile

Partner of Impian Innovation

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Company Overview

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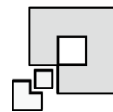
Cooperate Culture

The values, spirit, and behavioral norms shared by the company.

01.

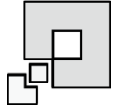
Company Overview

Company Overview



- Founded: May 2013
- Headquarters: No. 199 Yanqiaobang, Kunshan, Jiangsu Province, China
- Investment: RMB 80 Million
- Factory Area: 7,750 square meters
- Total Employees: 240+
- R&D Staff Ratio: >60%
- Core Team: 5+ years industry experience
- Specialization: Inspection fixtures & non-standard automation equipment design and manufacturing
- Industries: Smartphone assembly line fixtures & non-standard automation equipment; Computer, camera, TV, network equipment assembly line fixtures; Automotive tire production line automation solutions; Solar photovoltaic industry automation solutions; Mature cleaning industry solutions, tray conveying, welding, dispensing solutions

Our Customers



Goertek®

LUXSHARE ICT
立讯精密



英業達
Inventec

wistron®

DELTA 台达

connectors
ACES ACES GROUP

wiwynn®

JABIL
捷普集团

YAGEO
Group

pulse
A DISCOVER COMPANY

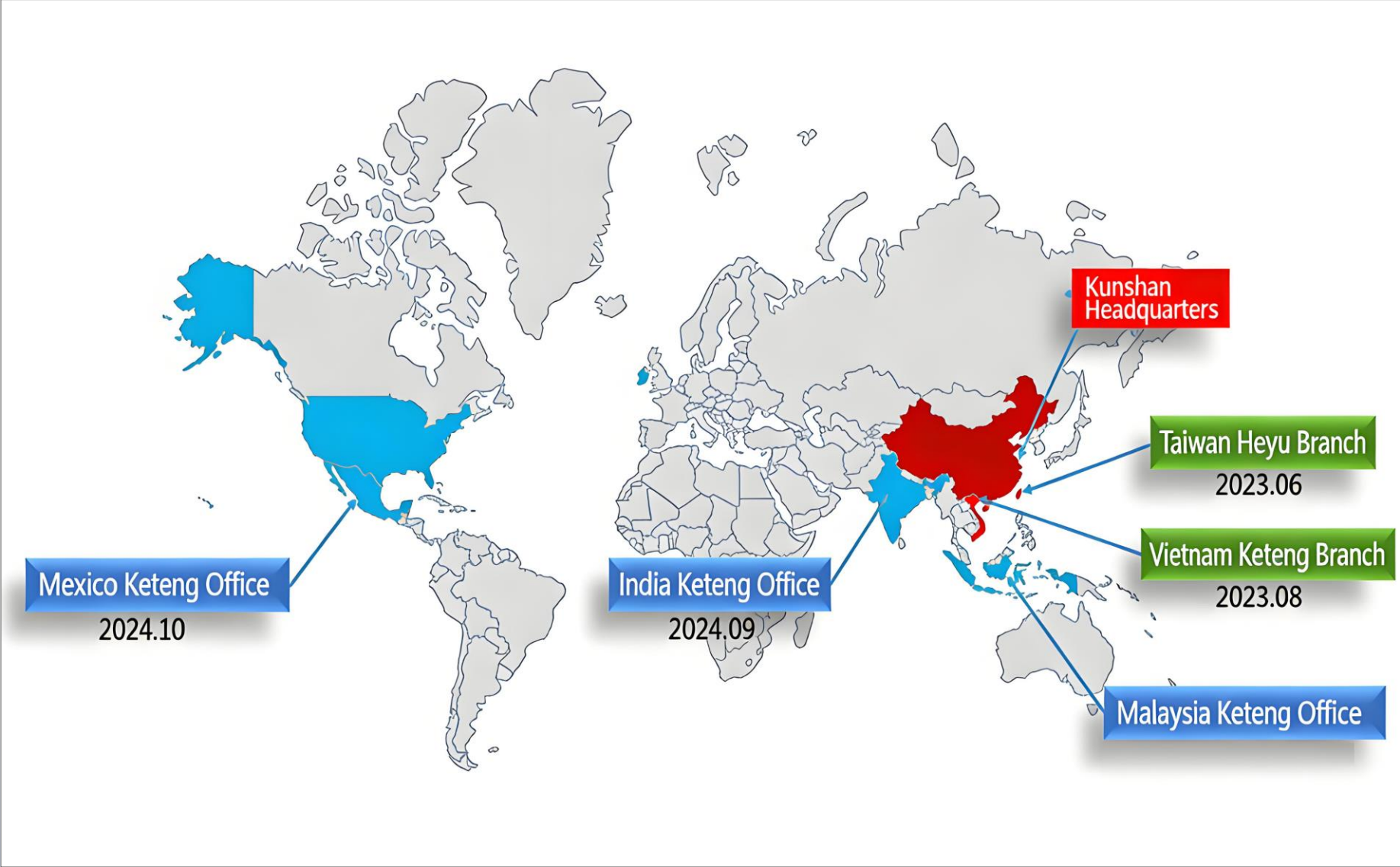
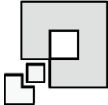
CHILISIN

长虹
CHANGHONG

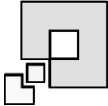
CATCHER
可成科技

京东方
BOE

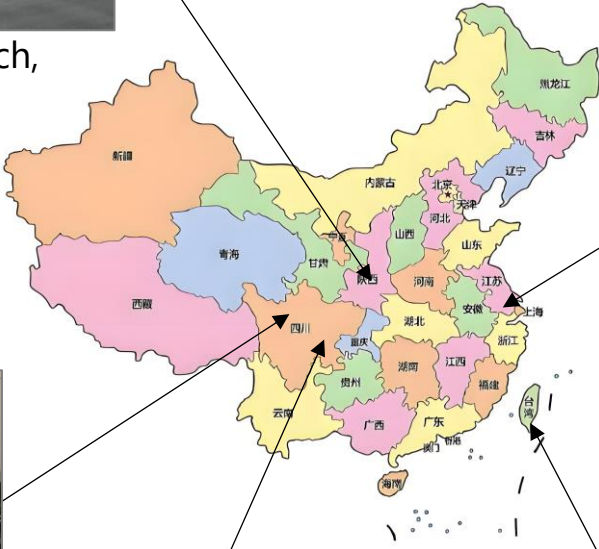
International Presence



China Domestic Presence



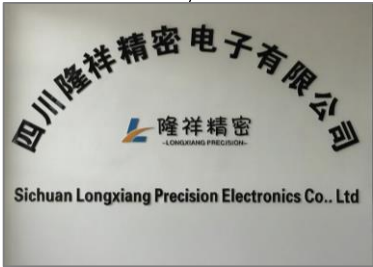
Xi'an Branch,
Shaanxi



Kunshan Headquarters,
Jiangsu



Mianyang Branch,
Sichuan

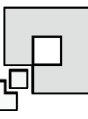


Suining Branch,
Sichuan



Hsinchu Branch,
Taiwan

Capabilities & Equipment



Precision Measurement Instruments



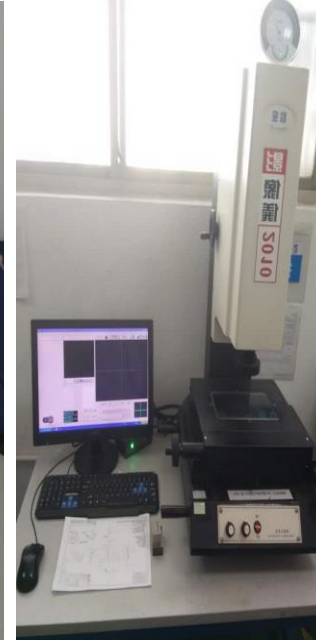
■ Laser Cutting Machine



■ CNC Machining Center



■ Micro Hardness Tester



■ 2.5D Projector



■ CMM



02.

Project Case Studies

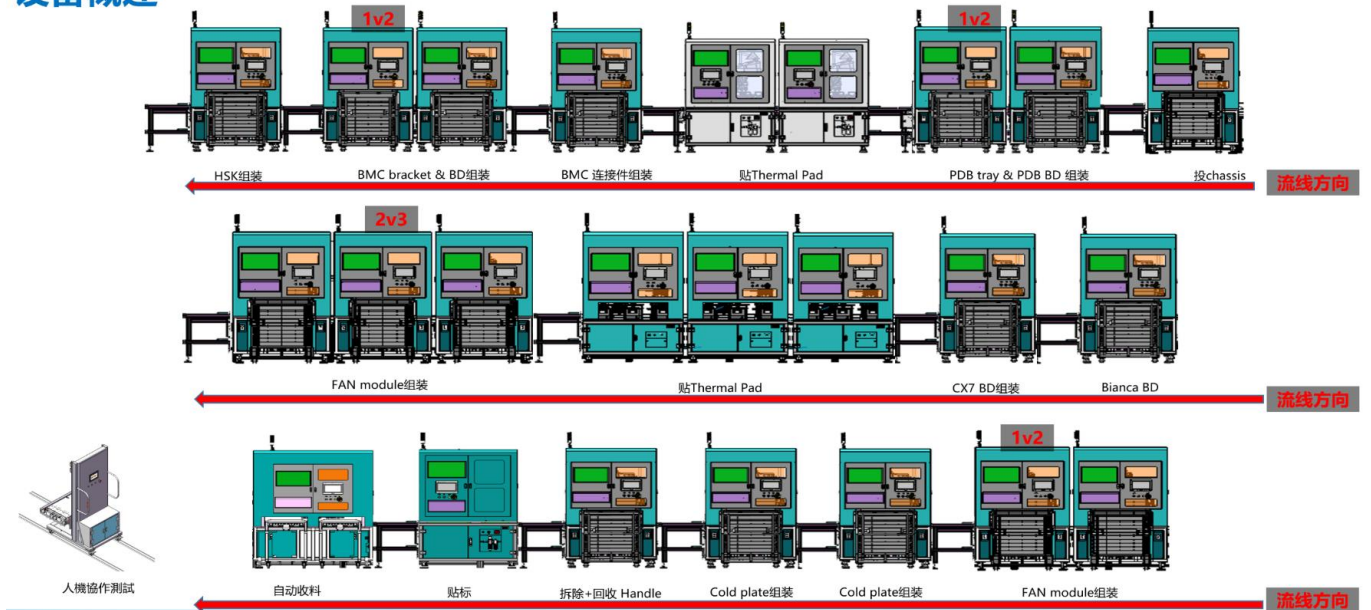
Case Study #01

AI Server Auto Assembly Line



- Fully automated line, reduced from 60 workers to 2; UPH 30
- Flexible modular design: auto loading, assembly, screw fastening, labeling, unloading
- Robot + high-precision vision positioning & re-inspection; CCD accuracy ± 0.02 mm
- Smart electric screwdrivers with error prevention, process monitoring, MES integration

设备概述

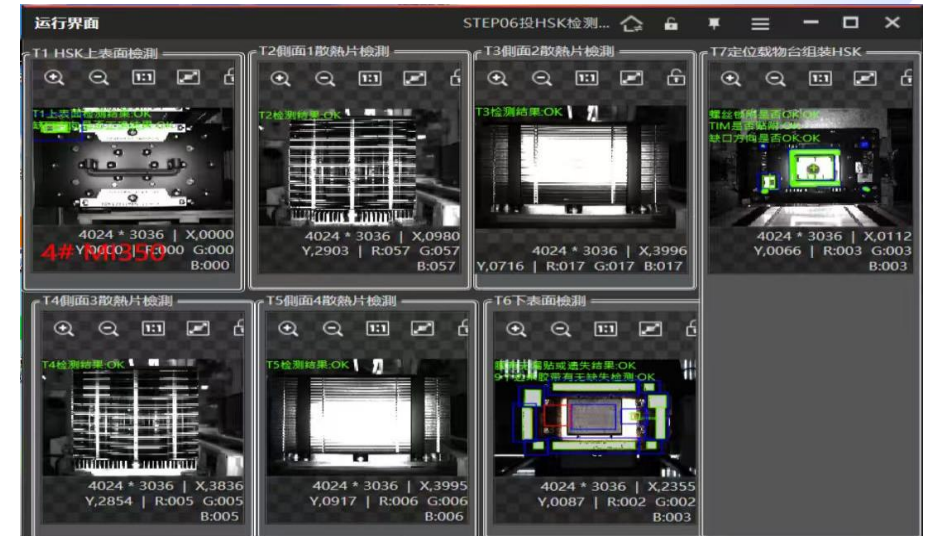


Case Study #01 - 2

AI Server Assembly Line Vision Solution

Integrated with Hikvision VM vision solution, the system enables high-speed, precision inspection and recognition during production. Using industrial cameras and advanced image processing algorithms, it automatically captures product appearance, dimensions, defects, and QR code information, ensuring compliance with process specifications.

The vision system supports multi-station, multi-product simultaneous inspection and seamlessly interfaces with MES and equipment layer software for real-time data collection and upload. Leveraging Hikvision VM's powerful algorithms and stable hardware, the system significantly improves inspection efficiency and accuracy while reducing manual QC costs, providing reliable support for smart manufacturing and quality management.



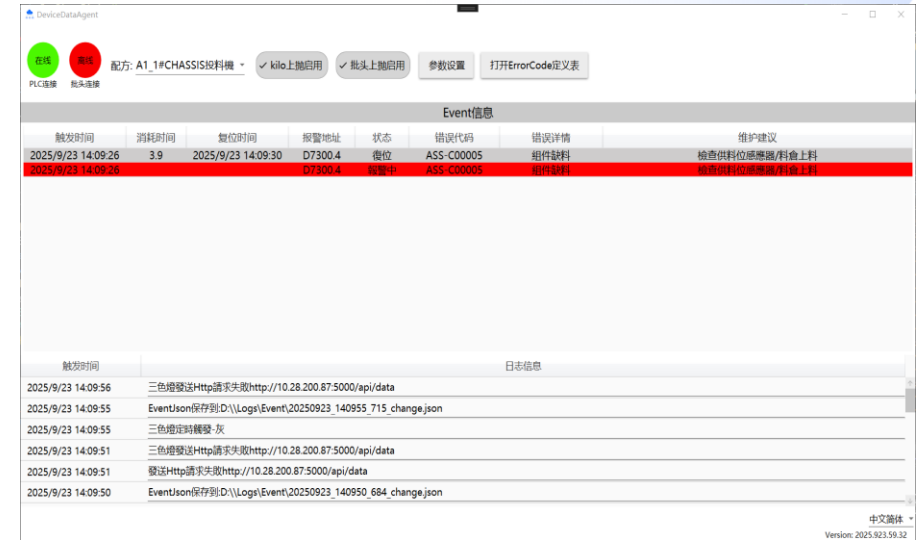
Case Study #01 - 3

AI Server Assembly Line MES 4.0 Software

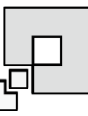
The software performs precise process verification of carrier and product QR codes during production, ensuring each product is processed at the correct workstation—effectively preventing wrong or missed operations while enabling full production traceability.

It captures PLC alarm status, production data, critical process parameters, and vision inspection results in real time, providing comprehensive data support for manufacturing operations. Collected data is stored locally to prevent loss during network disruptions, while automatically uploading to the MES server for enterprise-level centralized management.

Through automated data collection and process verification, the software significantly reduces manual errors and enhances production efficiency and quality control. The rich production and process data also supports process optimization, quality analysis, and equipment maintenance decisions—providing a solid foundation for smart manufacturing and digital production.



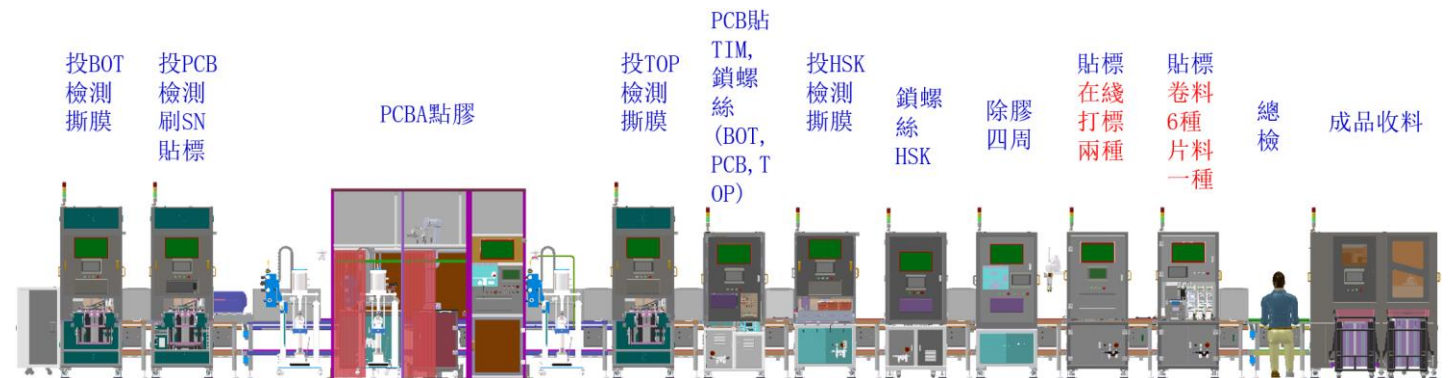
Case Study #02



AI GPU Auto Assembly Line

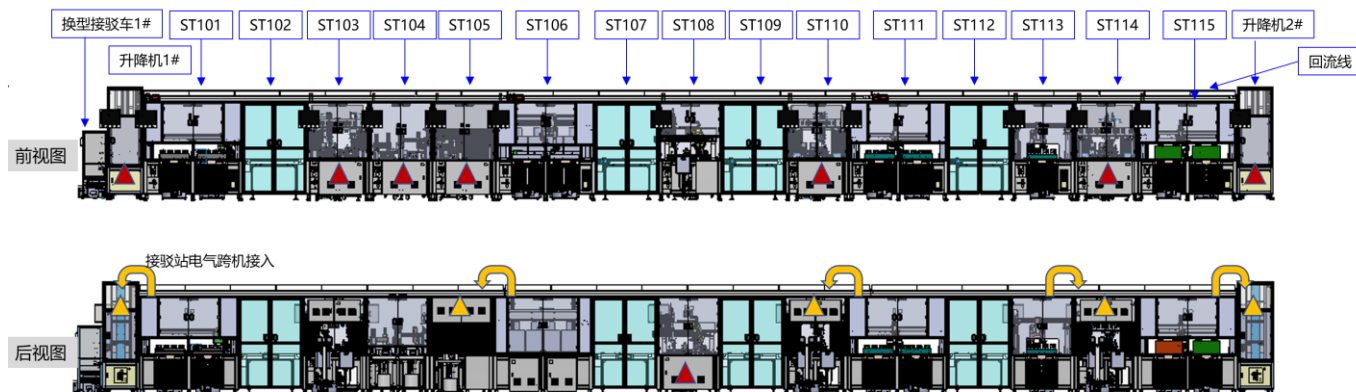
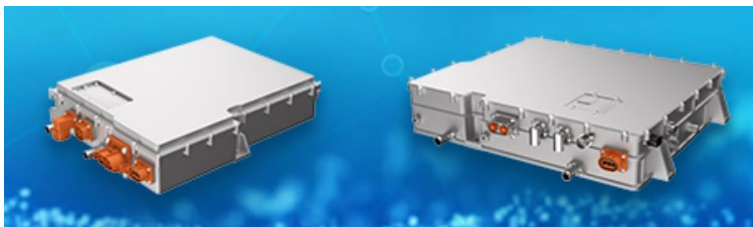


- Fully automated line, requiring only 4 operators; UPH 80
- Flexible modular design with auto loading, assembly, screw driving, labeling, unloading for easy future upgrades
- Robot + high-precision vision positioning & re-inspection for closed-loop control; CCD accuracy ± 0.02 mm, robot repeatability ± 0.02 mm
- Smart electric screwdrivers with error-proofing, torque monitoring, barcode tracking & MES integration



Case Study #03

Automotive AC Controller Assembly Line



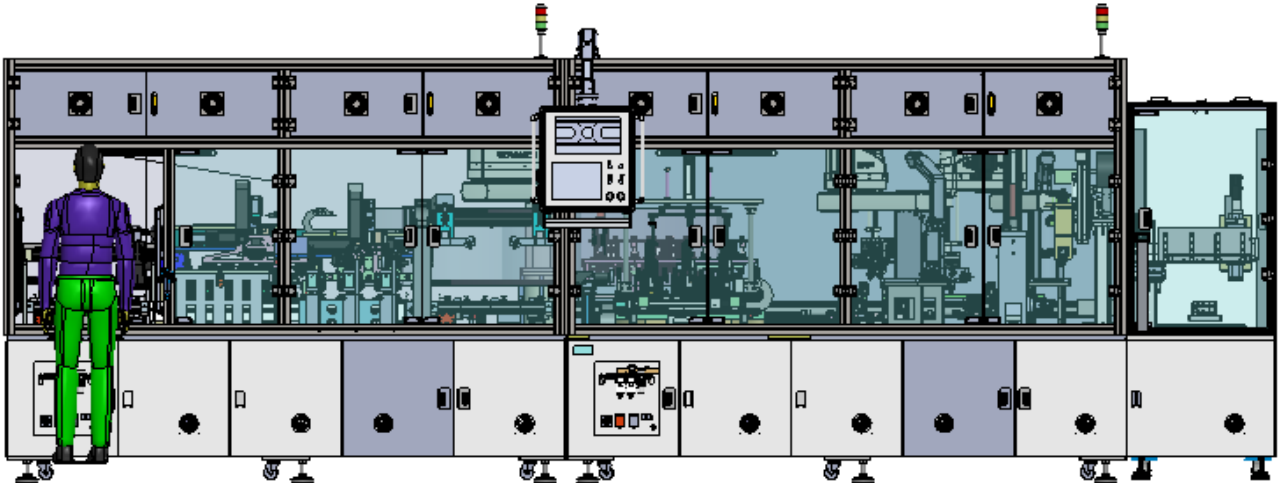
站别	工站	机台尺寸 (L*B*H)
/	升降机 (上料)	800*1800*2500
ST101	壳体+高低压接插件上线	2200*1800*2200
ST102	预留站	1400*1800*2200
ST103	接插件拧紧	1400*1800*2200
ST104	散热胶涂胶	1400*1800*2200
ST105	固定胶涂胶	1400*1800*2200

站别	工站	机台尺寸 (L*B*H)
ST106	PCB上线+测试	2200*1800*2200
ST107	预留站	1400*1800*2200
ST108	PCB装配	1400*1800*2200
ST109	预留站	1400*1800*2200
ST110	PCB拧紧	1400*1800*2200
ST111	半成品上/下线	2200*1800*2200

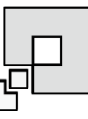
站别	工站	机台尺寸 (L*B*H)
ST112	预留站	1400*1800*2200
ST113	密封圈上线	1400*1800*2200
ST114	盖板拧紧	1400*1800*2200
ST115	产品下线	2200*1800*2200
/	升降机 (下料)	800*1800*2500
/	回流线	24340

Case Study #04

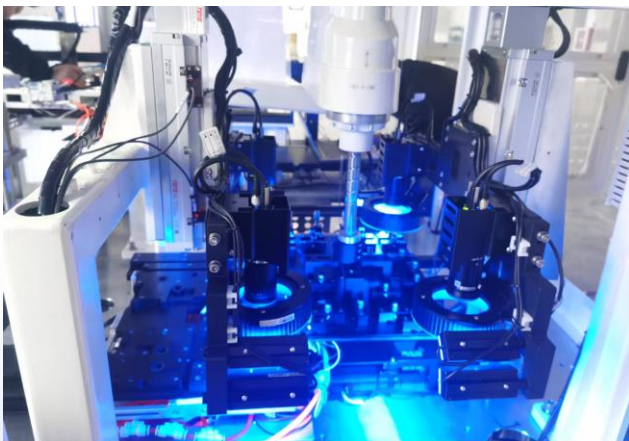
Vehicle EPS Stator Stacking and Forming Assembly Line



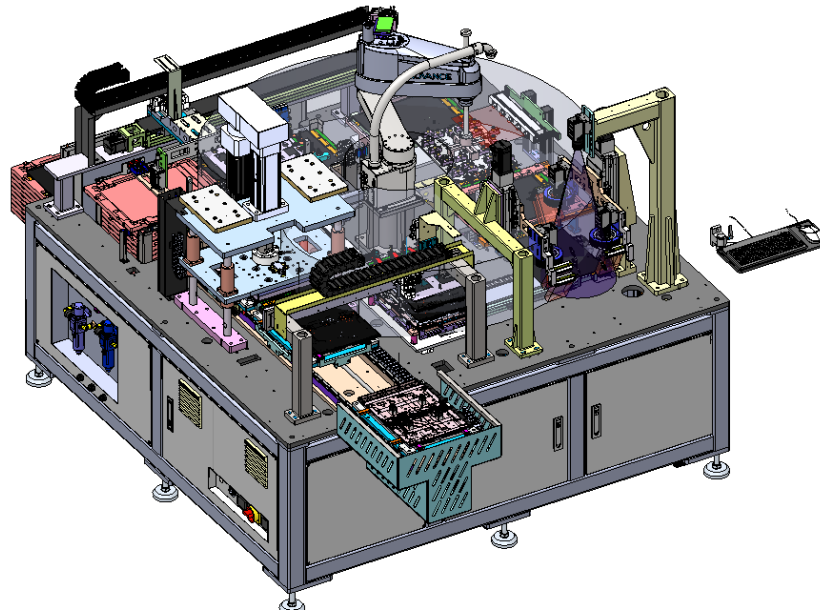
Case Study #05



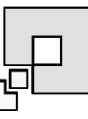
LCD Foldable Screen Assembly Machine



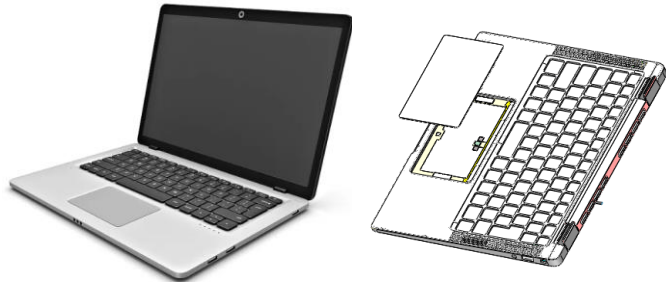
- Solved: manual assembly pain points: wrinkles, 2-person coordination, misalignment
- Achieved: Automated: auto loading + film peeling + assembly + pressure holding; UPH 60
- 4-axis robot + CCD vision guidance; accuracy ± 0.1 mm
- 4-group CCD diagonal comparison; CCD accuracy ± 0.06 mm
- Custom vacuum suction cups for foldable screens



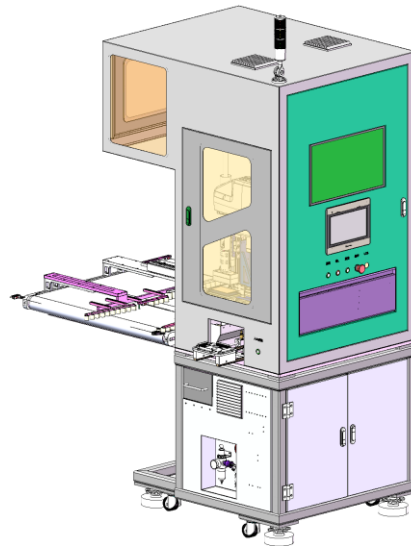
Case Study #06



TP Mylar Assembly Machine

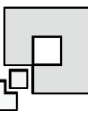


- TP Mylar: with release paper adhesive
- Labor savings: 1 person
- Operation rate: 99%
- Inspection cameras: 2 sets
- Compatible: 11-18 inch
- Application accuracy: ± 0.05 mm
- Quick-change label head design
- Multi-vacuum for different label sizes
- MES integration with barcode scanning

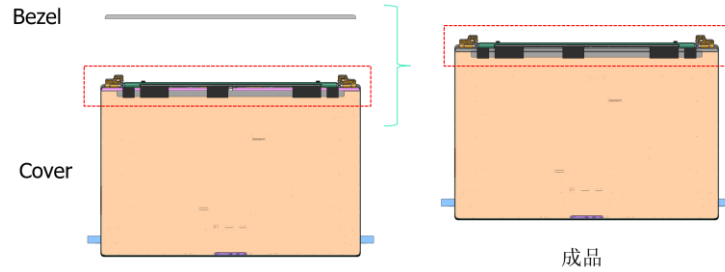


[Click to play video](#)

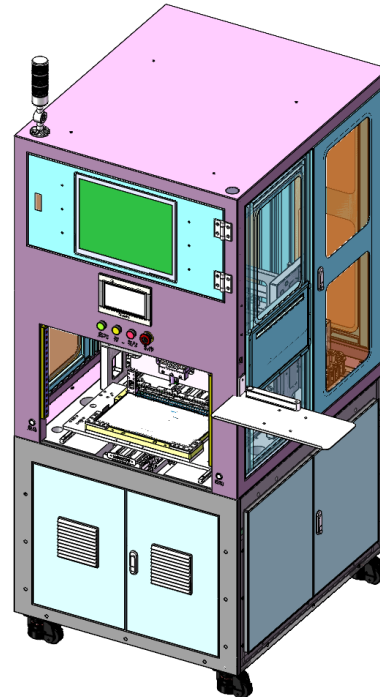
Case Study #07



LCD Bezel Assembly Machine

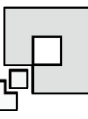


- Film inspection: position, dirt, wrinkles, damage
- Labor savings: 1 person
- Operation rate: 99%
- Inspection cameras: 4 sets
- Application accuracy: ± 0.05 mm
- MES integration



[Click to play video](#)

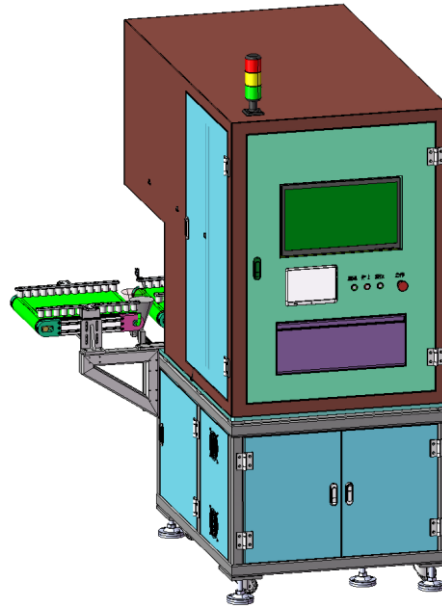
Case Study #08



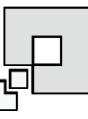
Laptop Foot Pad Testing Equipment



- Tailored to specific laptop foot pad requirements, ensuring perfect alignment between inspection solutions and product characteristics
- Utilizes high-precision optical sensors and advanced image processing technology for accurate measurement of foot pad dimensions, shape, flatness, and defect detection
- Built-in intelligent algorithms quickly identify and classify various foot pad defects, improving inspection accuracy and reliability
- Designed for long-term continuous operation, minimizing production interruptions and maximizing throughput



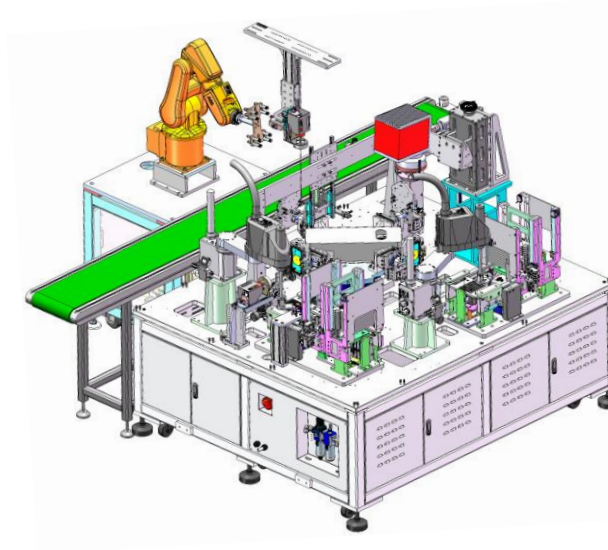
Case Study #09



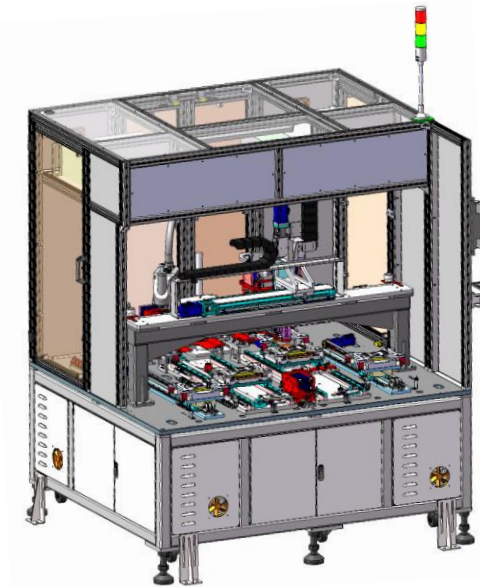
iPhone Components Assembly



- Solved manual assembly challenges (uncontrollable positioning, low efficiency) with automated assembly; UPH 360
- Four-axis robot + CCD vision guidance; quick-change tooling design for product upgrades; vision accuracy ± 0.02 mm, assembly precision ≤ 0.05 mm
- Full process monitoring via RFID with process parameters uploaded to MES



Camera Assembly & Welding



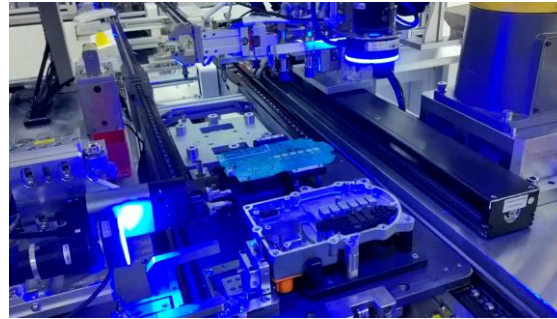
HSG and BG Assembly

Case Study #10

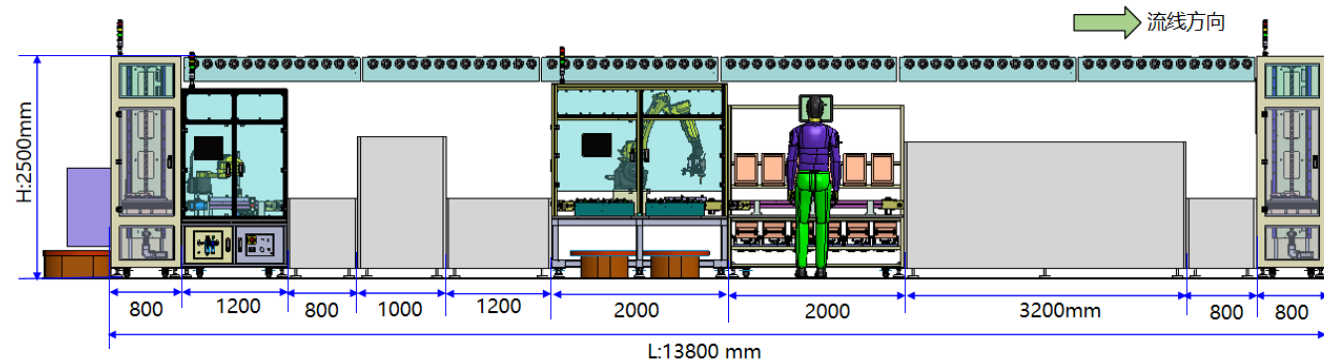
Robotic & Vision Integration - 1



- Automatic PCB Assembly & Terminal Insertion
- Product positioning with lift mechanism
- Robot picks up PCB after bottom shell photography
- Secondary positioning for terminal alignment



[Click to play video](#)

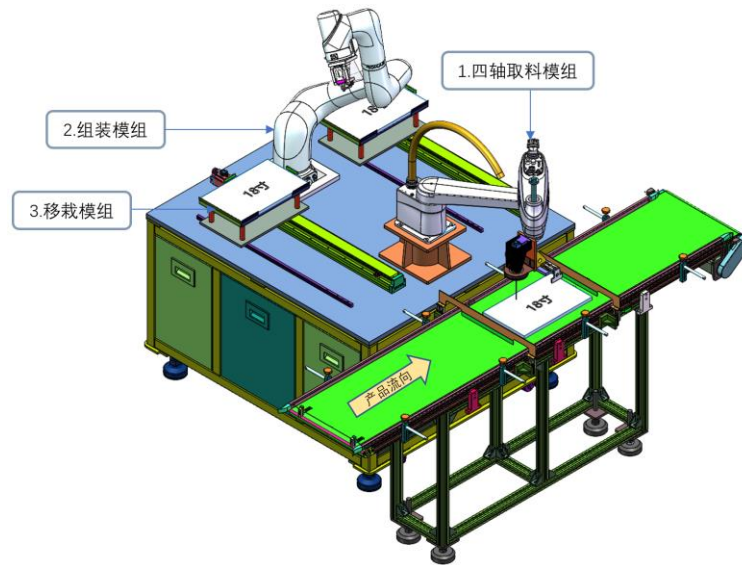


Case Study #11

Robotic & Vision Integration - 2



- Adaptive Robot FPC Flexible Insertion
- Force control + Computer Vision + Visual Servoing
- Closed-loop control for high-quality FPC insertion
- Solves traditional robot limitations

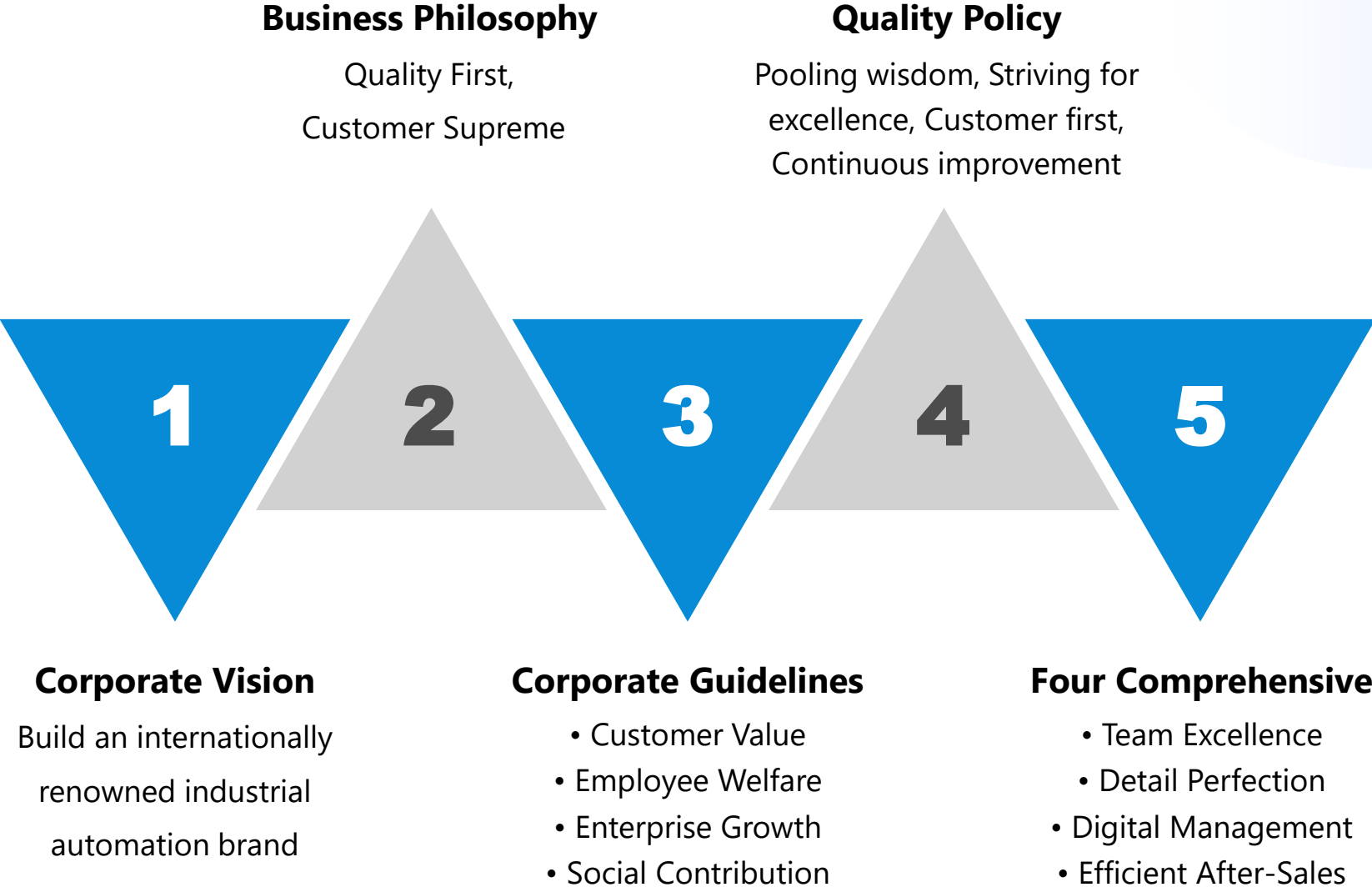
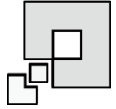


[Click to play video](#)

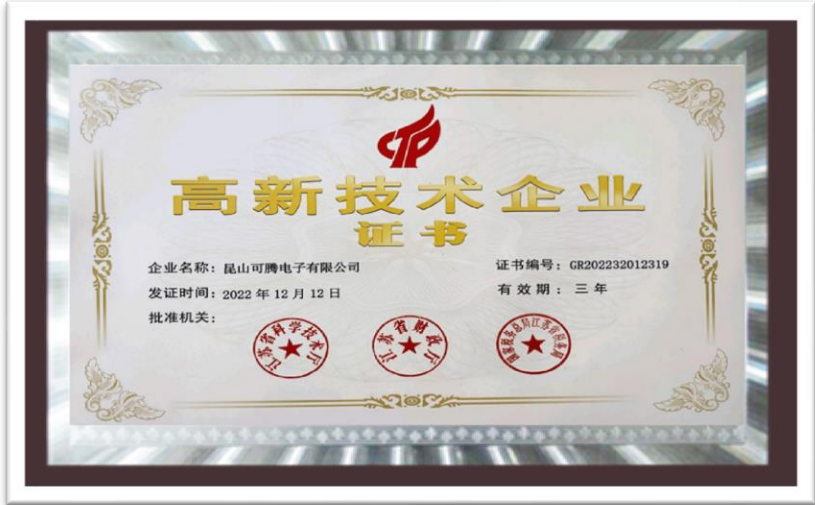
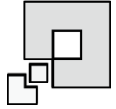
03.

Corporate Culture

Corporate Culture



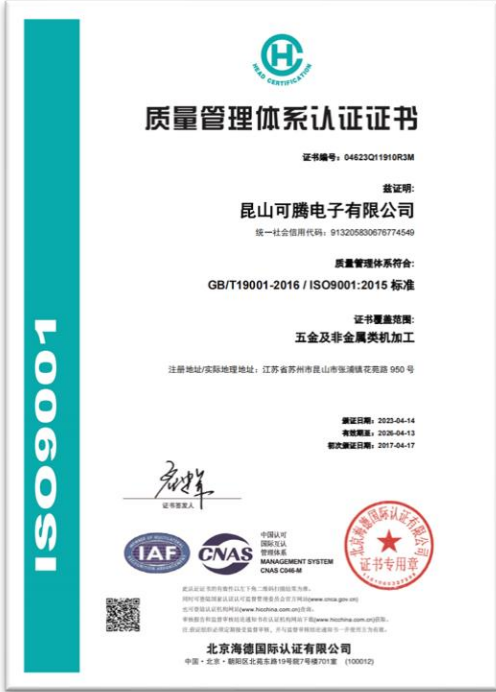
Company Honors - 1



Company Honors - 2



28 Invention Patents



ISO 9001 Quality Management System Certified



56 Utility Model Patents

Thank you for
watching.



At Impian, we draw inspiration from dreams and kites. A kite represents the pursuit of aspirations—rising high, defying gravity, embracing the vast sky and striving to reach new heights. However, its ascent depends on a strong foundation, guiding hand, and the right wind much like our journey as a company requires balance of Vision, Strategy and Resilience.

We therefore believe in combining bold visions with meticulous execution will enable us to achieve remarkable and sustainable growth in the highly competitive global business arena.