

JINCHEN GROWTH HANDBOOK





Diligence is the foundation of growth, while
creativity is the essence of life's value

— FOUNDDING SEND WORDS



INITIAL HEART & MISSION



VISION



VALUES & PROPOSITIONS



JINCHEN MILESTONE



SOCIAL RESPONSIBILITY



BRAND & MASCOT

A close-up, blue-tinted photograph of a complex industrial robotic assembly. A robotic arm with various sensors and cables is positioned over a conveyor belt. The background shows more industrial machinery, slightly out of focus.

JINCHEN INITIAL HEART & MISSION

INITIAL HEART : TO LIBERATE PEOPLE WITH INTELLIGENT MANUFACTURING

MISSION : EQUIPMENT FOR SUSTAINABLE ENERGY DEVELOPMENT

The image is a composite of two industrial scenes. The top half shows a close-up of a machine with several blue cables bundled together and connected to small digital displays. The bottom half shows a wider view of a complex industrial machine with many blue tubes and white connectors. The text "JINCHEN VISION" is overlaid on the top image, and "TO BECOME A WORLD-CLASS HIGH-END EQUIPMENT ENTERPRISE" is overlaid on the bottom image.

JINCHEN VISION

TO BECOME A WORLD-CLASS HIGH-END EQUIPMENT ENTERPRISE

A person wearing a white lab coat and a blue surgical mask is using a coiled probe to inspect a metal grate. The background is a blurred laboratory setting.

JINCHEN VALUES

FOCUS · INNOVATION UNITY · EXCELLENCE INTEGRITY · SHARING



FOCUS · INNOVATION

We are dedicated to the intelligent manufacturing of sustainable energy equipment, striving to be the best in our field. We advocate the spirit of craftsmanship and cherish fearless disruptive innovation. Maintain the team continuous vitality by constantly undergoing self-transformation.

FOCUS

Gain deep market insights, focusing on key areas of the industry.

Develop a profound understanding of customers, capturing their core needs.

Foster innovation through cutting-edge technologies, creating competitive products.

INNOVATION

Collaborate closely with customers, fostering interactive partnerships to unearth innovative ideas.

Embrace both disruptive and incremental innovations, revolutionizing and refining simultaneously.

Ensure that innovation drives customer benefits and operational cost reductions.



UNITY · EXCELLENCE

We stand united in sincerity and harness collective wisdom; we pursue excellence and maintain industry leadership. We uphold an open and inclusive attitude, striving to create a united, intense, serious, and lively team atmosphere, ensuring the team agility and efficiency. We encourage self-criticism, continuously challenging and surpassing ourselves, always maintaining a spirit of hard work and the courage to strive for excellence.

UNITY

Embrace the diversity of individuals, valuing their core qualities.

Assume goodwill, nurture a culture of open trust, and foster effective collaboration.

Engage in objective discussions, communicate rationally, and avoid emotional expressions.

EXCELLENCE

Embrace an entrepreneurial mindset, proactively breaking through barriers rather than relying solely on resources.

Encourage independent thinking, delve deep into the roots to grasp the essence of problems.

Set high standards, demand excellence, and strive not only to accomplish but also to excel.



INTEGRITY · SHARING

Integrity is the foundation of team cohesion, the prerequisite for partner cooperation, and the root and essence of enterprise establishment and operation. Adhering to the principle of integrity means insisting on long-term values and rejecting short-term profits for personal gain. Instill confidence in customers, employees, and investors, for ensuring the sustained and stable development of the enterprise. The experience of being needed is an inexhaustible source of JINCHEN's achievement and satisfaction. Together, we open this channel, create this situation, shoulder this responsibility, and share this achievement!

INTEGRITY

Fearlessly express genuine thoughts, unafraid of exposing work-related issues.

Never compromise organizational interests and proactively prevent any self-serving actions.

Approach matters with a long-term perspective, collaborate to pursue lasting value.

SHARING

Believe in the company's mission and vision, generating self-driven energy.

Actively share knowledge and experiences, willingly assist colleagues and partners.

Collaboratively creating and sharing achievements in our careers, prioritizing the distribution of benefits

JINCHEN VALUE PROPOSITION

A stylized world map in shades of blue, showing the continents. Overlaid on the map are eight white location pins, each with a small white circle above it and a red circular ripple effect at its base. The pins are distributed across North America, Europe, Asia, and Africa. In the center of the map, the text "TO MAKE CUSTOMERS SATISFIED" and "TO MAKE EMPLOYEES HAPPY" is written in white, bold, sans-serif capital letters.

TO MAKE CUSTOMERS SATISFIED
TO MAKE EMPLOYEES HAPPY



Chapter One: Development process

JINCHEN MILESTONE

- Officially entered Solar industry
- Developed China's first solar module assembly corner locking machine
- Developed China's first solar module framing machine

2003

- Developed China's first 150MW solar module fully-automatic production line -Q2 series
- Jinchen automatic solar module laminator was rated as National Key New Product

2011

- Successfully listed on the Shanghai Stock Exchange
- Developed 250MW solar module fully-automatic production line - Q4 series
- Developed solar cell automation equipment

2017

- Start of development of next-generation solar module fully-automatic production lines

2020

- New generation solar module production line start operation on the client side
- Successfully delivered the first microcrystalline HJT PECVD mass production equipment

2022

1996

- Predecessor of Jinchen: Yingkou Zhanqian District Aluminum Equipment Factory

2007

- Developed China's first 100MW solar module fully-automatic production line -Q1 series

2015

- Developed world's first self-operating 200MW solar module production line - Q3 series, and was rated as an Intelligent Manufacturing Demonstration Project by the Ministry of Economy and Information Technology of China

2019

- Developed 500MW super size solar module fully-automatic production line - Q5 series
- Developing TOPCon high-efficiency cell technology and supporting PECVD equipment
- Developing HJT high-efficiency cell technology and supporting PECVD equipment

2021

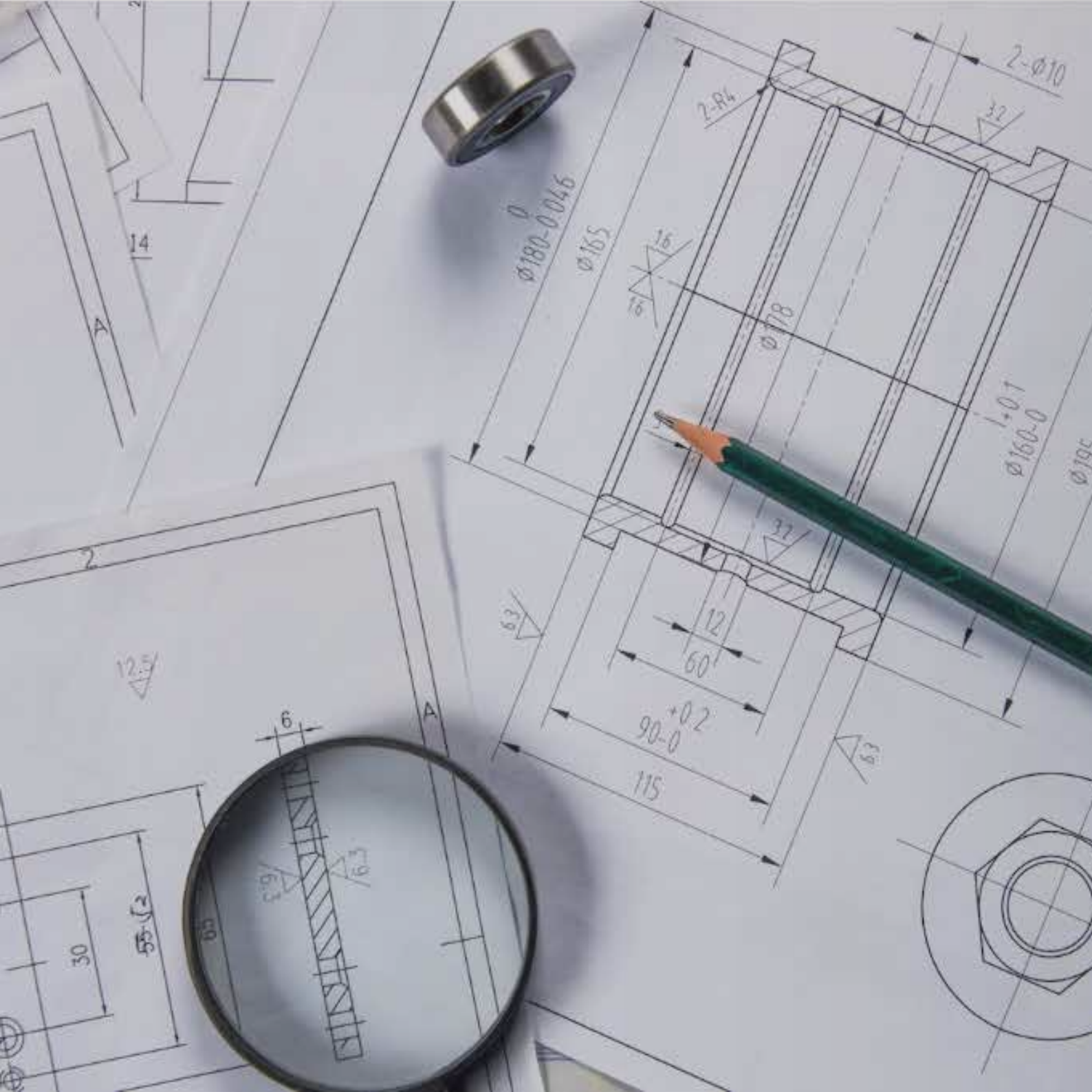
- Launch renewable energy and equipment R&D laboratory project
- Successfully developed TOPCon cell technology and supporting PECVD equipment

2023

- Tube PE-Poly TOPCon equipment
- Front and rear coating Tube-PECVD-SiN_x arrive at the client and start full sales

In the year of 1996
Yingkou Zhanqian District Aluminum Equipment Factory was founded





In the year of 2003

China's first corner clamping machine was successfully developed



In the year of 2007

The first 100MW photovoltaic module automate line in China was successfully developed (Q1 series)





In the year of 2011

The first 150MW photovoltaic module automate line in China was successfully developed (Q2 series)

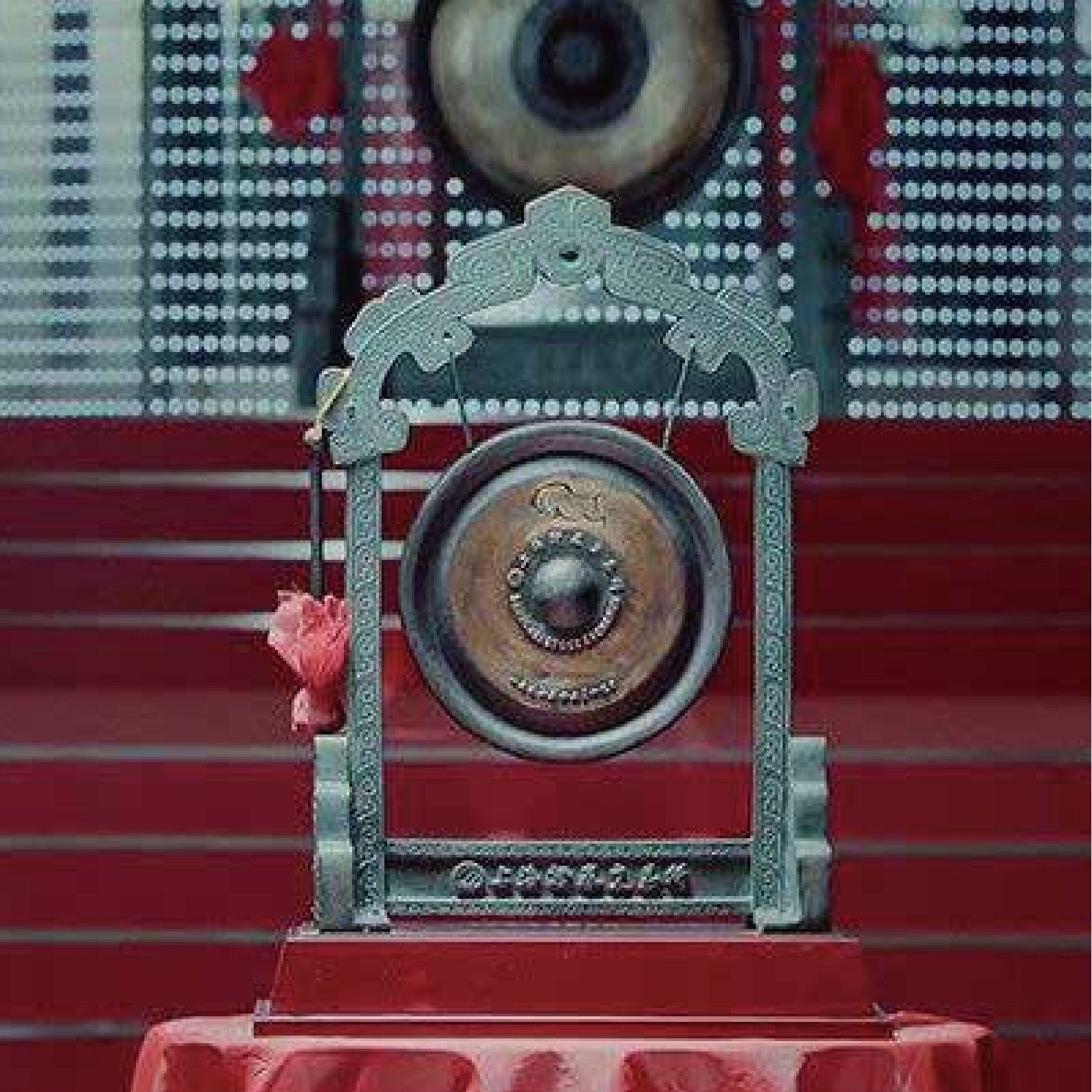
Automatic laminator was rated as "National Key New Product"



In the year of 2015

The world's first 200MW photovoltaic module unmanned production line was developed and manufactured, and was rated as an intelligent manufacturing demonstration project by the Ministry of Economy and Information Technology of the People's Republic of China (Q3 series)





In the year of 2017

Jinchen were successfully listed on the Shanghai Stock Exchange

The first 300MW photovoltaic module automate line in China was successfully developed (Q4 series)

Successful research and development of photovoltaic cell automation equipment



In the year of 2019

500MW large-scale photovoltaic module automatic line (Q5 series)



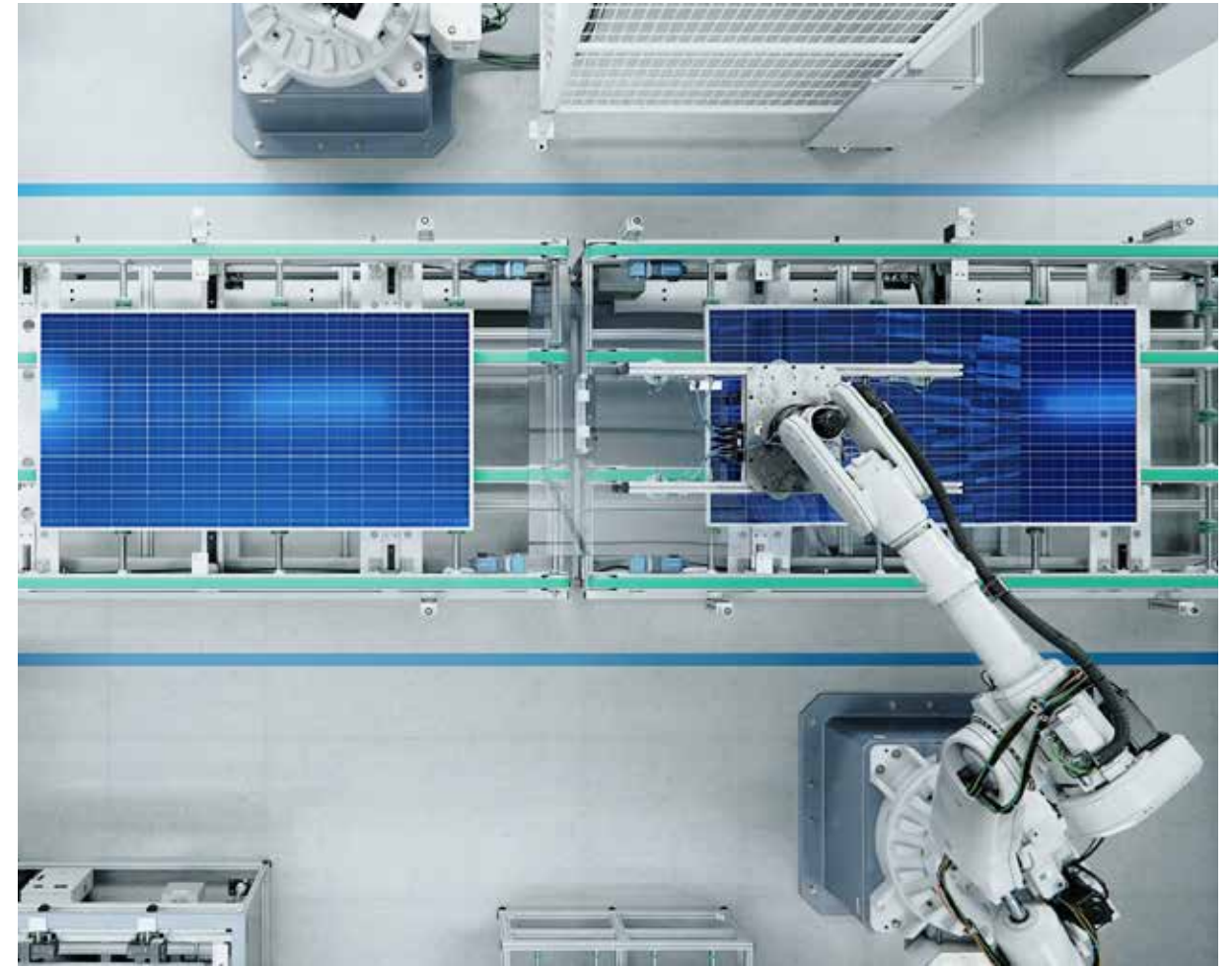
Research and develop equipment and its processing technology for HJT high-efficiency cells
Research and develop equipment and its processing technology for TOPCon high-efficiency cells





In the year of 2020

Fully launched a new generation of module production line R&D





IN THE YEAR OF 2021

Jinchen started the project of Renewable Energy and Equipment R&D Laboratory
PECVD equipment for TOPCon cell was successfully developed



PECVD-15121

IN THE YEAR OF 2022

New generation module production line operated at the client side

The first microcrystalline HJT PECVD for mass production equipment was successfully delivered

We have successfully overcome the technological bottleneck in the development of HJT cell manufacturing technology, with a particular focus on breaking through the PECVD large-area coating process.



IN THE YEAR OF 2023

Tubular PE-POLY TOPCon equipment

Tubular P-the front and back machine have arrived at the client-side, and start the comprehensive sales



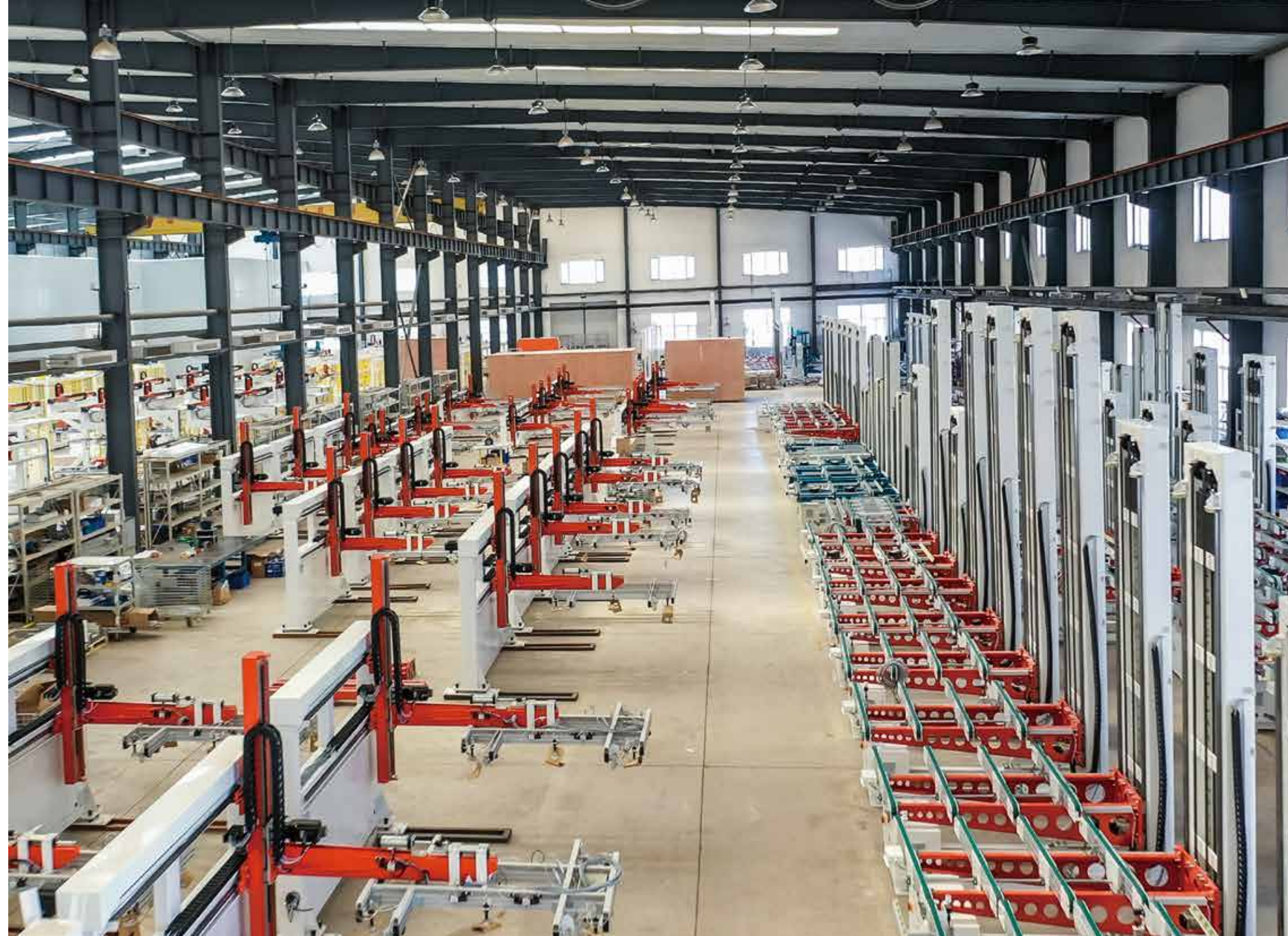
Chapter Two: Products & Team

Jinchen has a number of teams responsible for the development, production and related services of different functional units on automated production lines from cells to finished modules

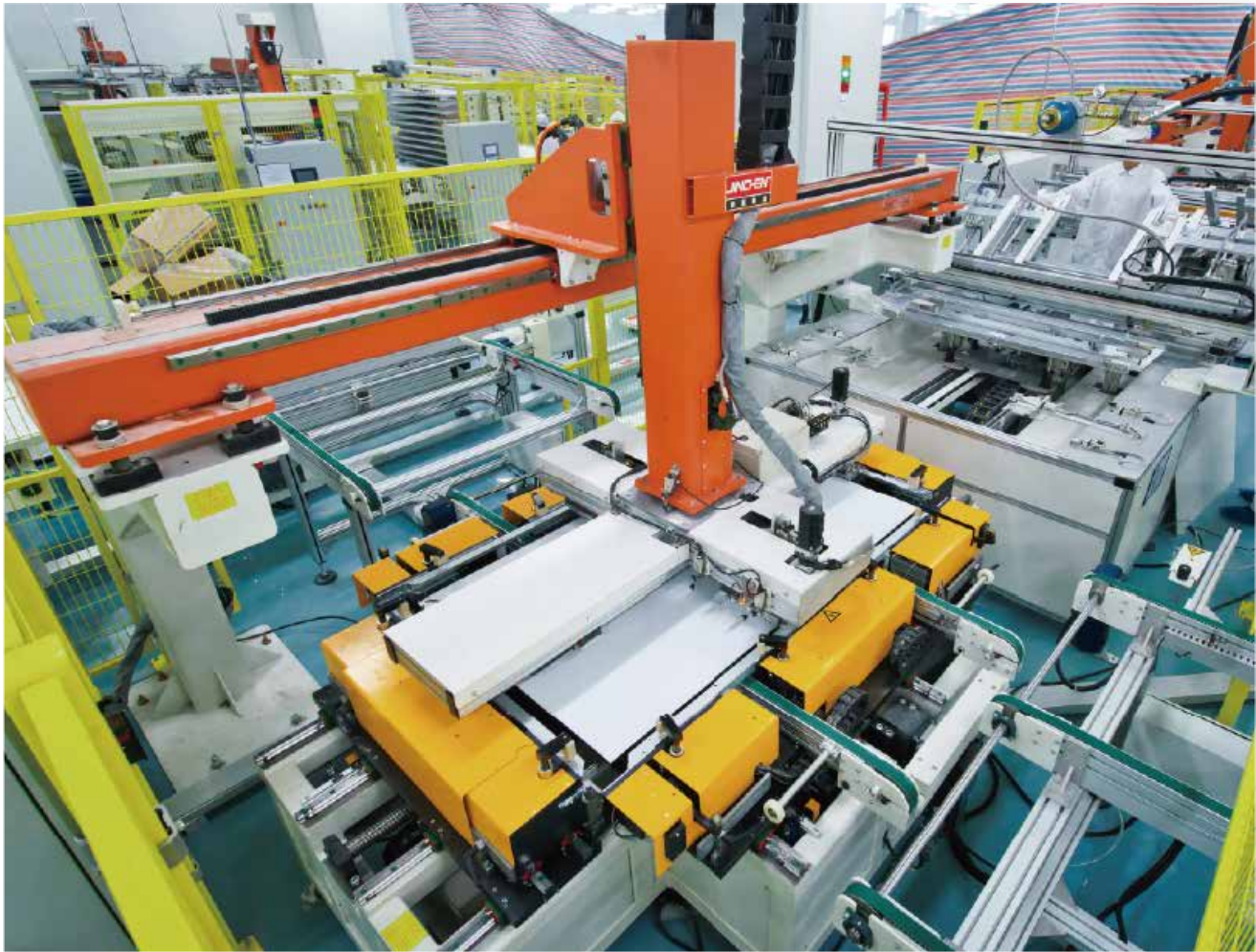
**The product team of automatic
line was established**

Jinchen Team

April 13, 2010

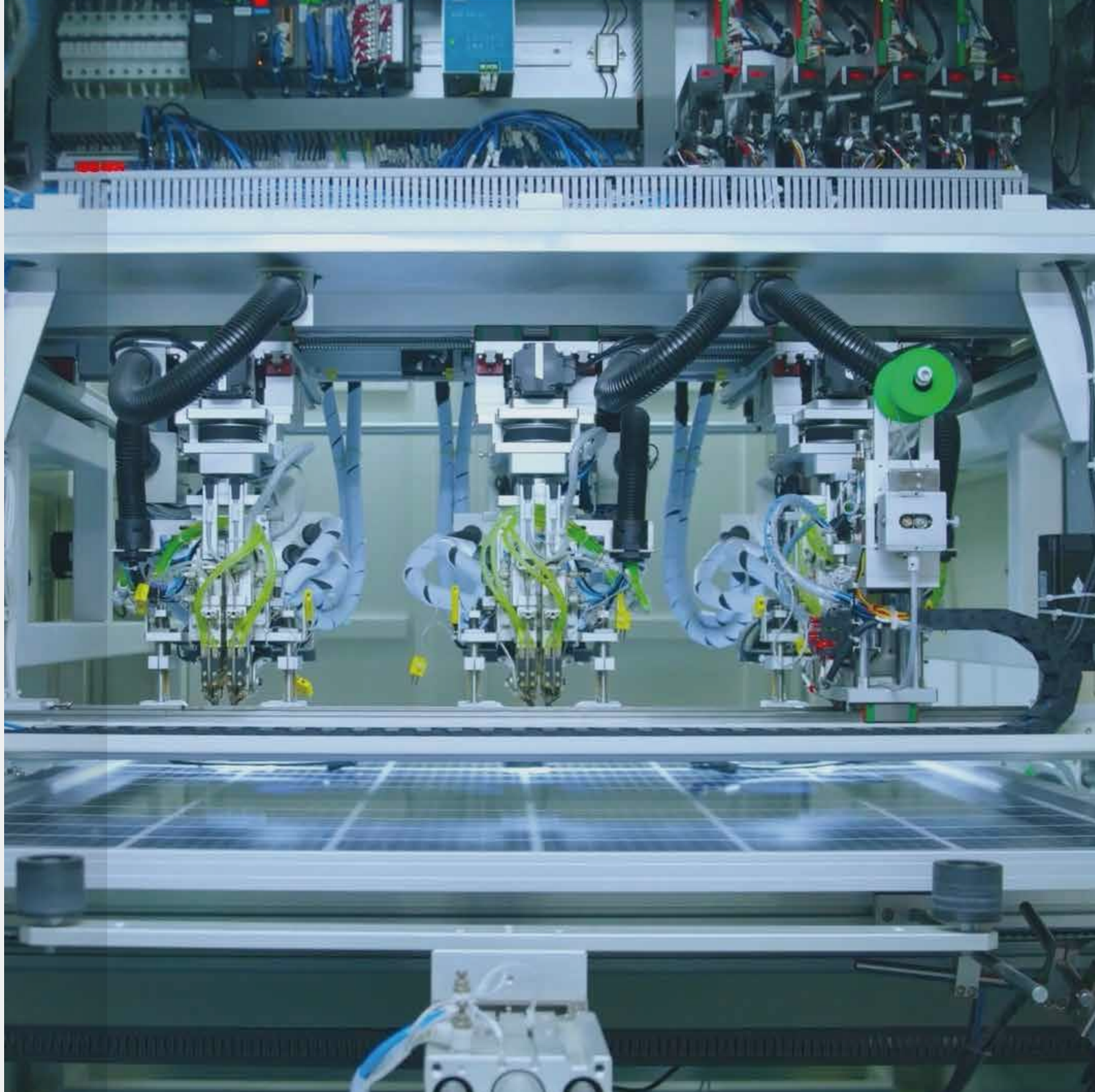


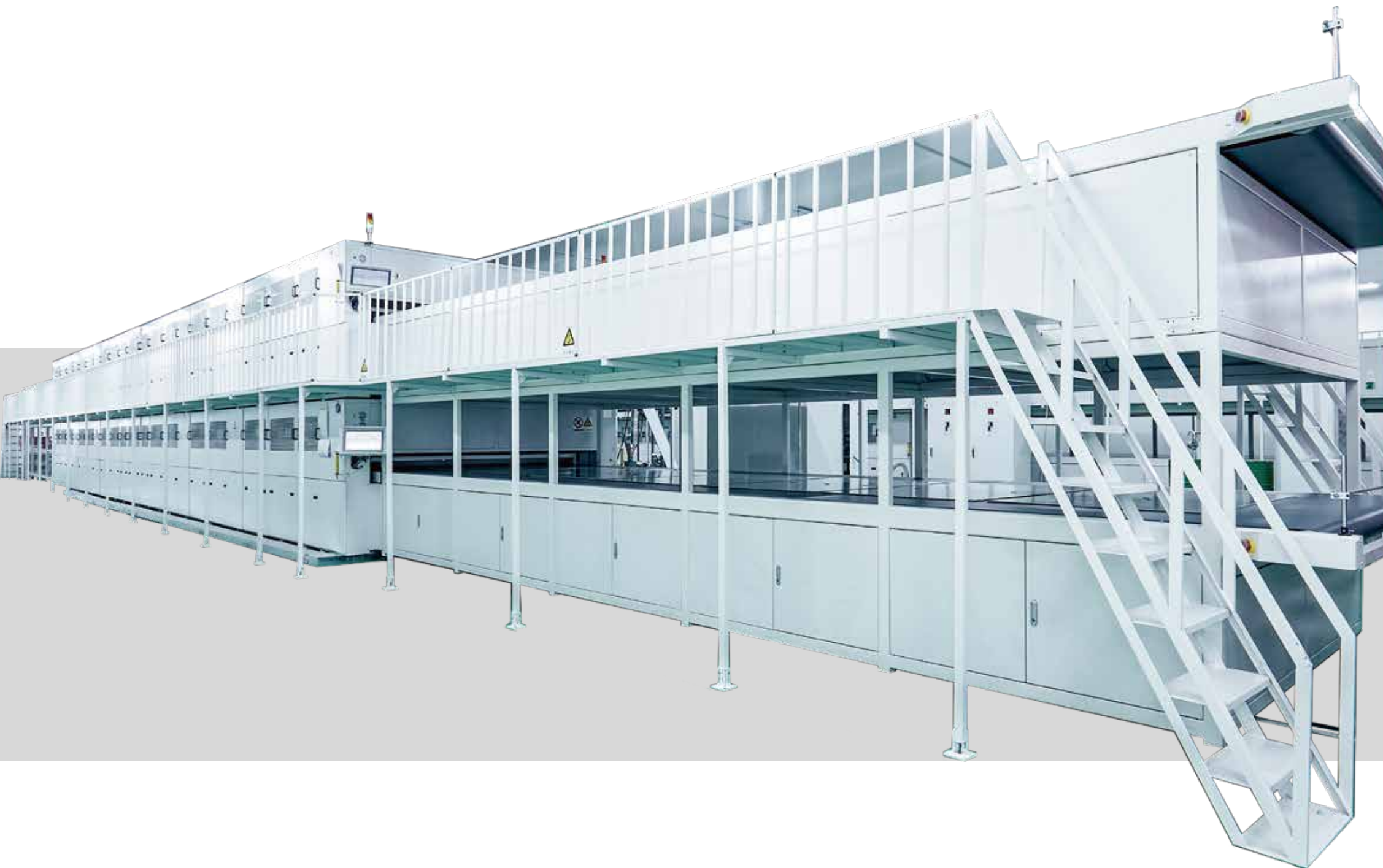
Yingkou Jincheng automation team



Auto sorting manipulator
Auto framing & dispensing system

...





Laminator team was established

Jinchen Team

March 28, 2011

**Visual inspection team
was established**

Jinchen Team

September 27, 2011



Suzhou Juneng image inspection technology team



Cell insert machine
EL/Bifacial AOI Machine

...



**Cell automation product
team was established**

Jinchen Team

August 23, 2013





**Production team of automation
functional machine was established**

Jinchen Team

April 2, 2014

Suzhou Der-link automation technical team



P&P Layup machine
3-in-1 Busbar Soldering Machine
...



**TOPCon cell production
team was established**

Jinchen Team

May 31, 2019





**TOPCon high-efficient cell
line team was established**

Jinchen Team

July 22, 2020

**Perovskite cell production
team was established**

Jinchen Team

In the year of 2023





Chapter Three: Market

PRODUCT SELLING TO OVERSEAS

Jinchen exported photovoltaic module equipment to India, and Jinchen officially launched into the international market.

Customers have been from China, the United States, Brazil, Turkey, Europe, India, South Korea and other more than 20 countries and regions.



GLOBAL MARKETING NETWORK



OUR PARTNERS



Serving **210+** enterprises worldwide

Cumulative installed capacity of **400+** GW

GLOBAL MARKET

Since 2004, Jinchen has entered the international market, and has established trade relations with more than 210 customers from over 20 countries.



INDIAN TECHNOLOGY SERVICE CENTER

India is one of the important overseas markets of Jinchen, and the establishment of India Technical Service Center is a new starting point of Jinchen's "international development strategy". As early as 2004, Jinchen has entered the Indian market, with the unremitting efforts of all colleagues, after more than ten years of continuous market cultivation, Jinchen in the Indian market has achieved remarkable results, including winning the long-term cooperation and trust of Waaree, Adani, Tata, Vikram and other head solar manufacturers.



AMERICAN TECHNOLOGY SERVICE CENTER

According to the long-term planning and strategic layout, in order to further increase the promotion of the company's products in overseas markets, promote the exchange and cooperation between the company and the international market, and better serve customers, Jincheng has set up a technical service center in the United States to provide comprehensive and rapid response one-stop service for American customers, to help the efficient development of the local photovoltaic industry in the United States, and to contribute to global green and low-carbon development.



SOCIAL RESPONSIBILITY

Jinchen uses intelligent automation technology and products to liberate manual labor, improve work efficiency, improve the working environment, and is committed to green, energy saving and sustainable development; Jinchen has become a respected automation enterprise in the industry with independent core technology advantages, and made important contributions to the sustainable development of the economy and society as well as the great rejuvenation of the country. Develop career, benefit employees, contribute to society.



SUSTAINABLE DEVELOPMENT

Sustainable energy milestones

From 1996 to 2023, Jinchen Equipment has served more than 210 photovoltaic enterprises around the world, with a cumulative installed capacity of more than 400GW, helping to reduce carbon emissions by about 400 million tons.

Two-carbon practitioner


Jinchen is one of the world leaders in the field of photovoltaic high-efficiency cells and high-efficiency module manufacturing equipment, and is a strong practitioner of China's "carbon peak" and "carbon neutral" dual-carbon goals.






BRAND



Name: Sailing

The initial letter of Jinchen “J” and “C”, from Chinese phonetic alphabet, are formed into the meaning of sailing, shown as “”.

The ship shown as “” as , sailing shown as “”, riding the waves shown as “”.



Amidst the turbulent winds, we raise our oars and set sail, determined to voyage far, fearless of challenges, and explore the future.



As the surging waves roll, we stand united in the same boat, brimming with passion, cutting through thorns and thistles, forging ahead with determination.



Eventually, the waves calm, clouds disperse, and the sunshine brightly illuminates the vast sea and sky, revealing boundless scenery!



JINCHEN LEADER "WU ZHENG" STANDARD



SELF-CULTIVATION

Openness & Reverence



Humility & Wisdom



Gratitude & Selflessness



TEAM ATMOSPHER

Unity & Tension



Seriousness & Liveliness



MASCOT

Alertness & Solid Groundedness

Perseverance & Tenacity

Fearlessness & Gracefulness



CAMEL SPIRIT



Alertness & Solid Groundedness

Alert and determined, with a down-to-earth attitude, steadily moving toward the goal. Like a camel that can sense the changes in water, grass and weather in the desert, we need to be highly sensitive to market opportunities and risks, and make bold moves with steadfast determination. We need to move forward with a pragmatic mindset, step-by-step, and discover the faraway land.

Perseverance & Tenacity

Unyielding and determined, never giving up in the face of setbacks or pressure. "The harsh desert environment of water scarcity and bad weather" is like the exploration of Jinchen employees' insight to seek the misty sand, we must confront obstacles and overcome them with persistence. We must cross the difficult terrain to reach the oasis.

Fearlessness & Gracefulness

Without fear or regret, humble and kind, open-minded and tolerant. The camel faces the harsh environment of the desert with calm and kindness, and cooperates with others while bearing heavy loads. Like the camel, Jinchen employees should be resolute in self-discipline, modest in attitude, inclusive in spirit, and move forward with strength.



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