

14 years  
World No.1\*

**JACK**

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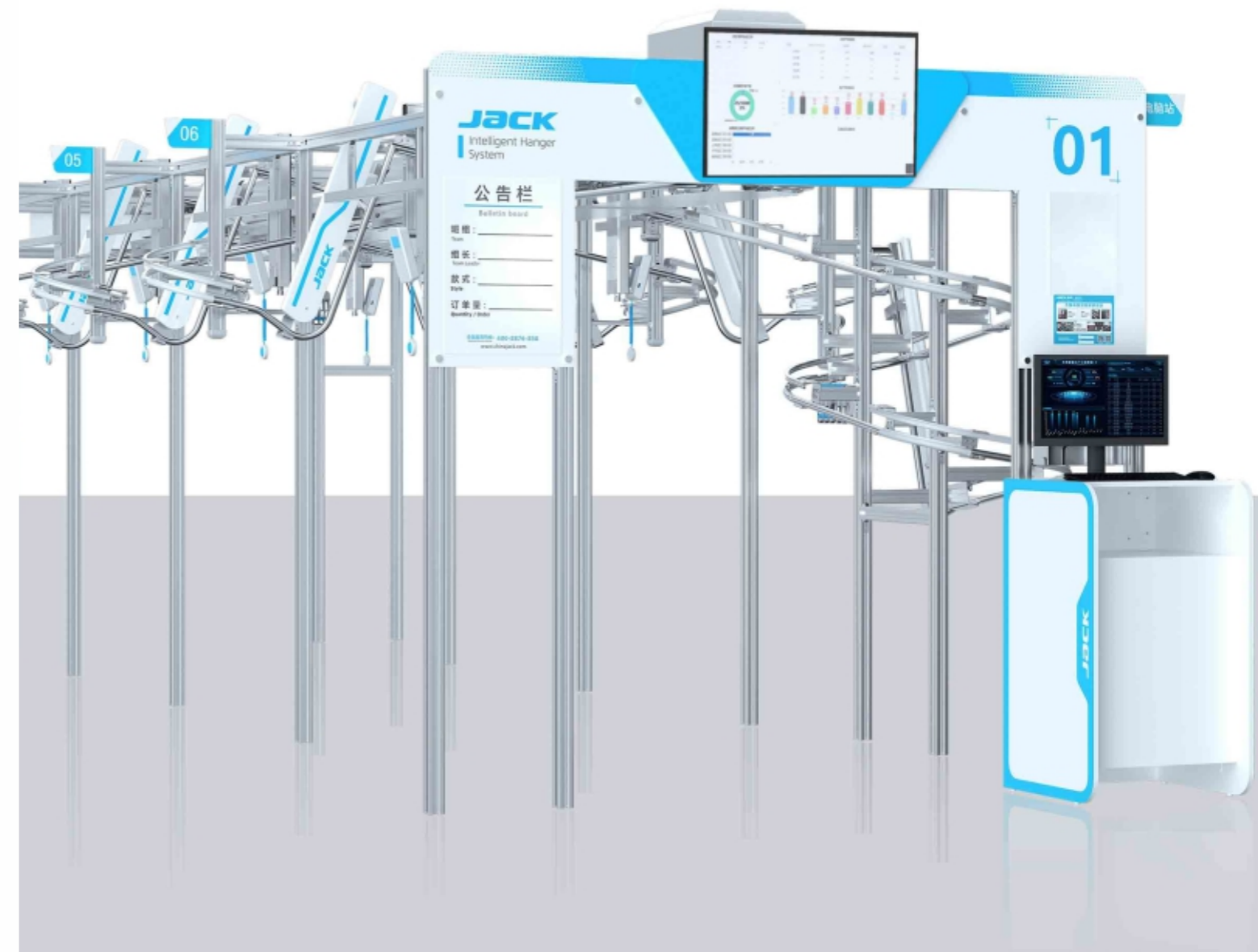
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# Lightning Hanger System



杰克科技股份有限公司  
浙江省台州市椒江区东海大道东段1008号  
电话:0086-576-88177788 88177789

**JACK TECHNOLOGY CO.,LTD**  
ADD:No.1008, Donghai Avenue East, Jiao jiang District, Taizhou City,  
Zhejiang Province, China  
TEL:0086-576-88177782

\*Source: Frost & Sullivan's research based on the number of industrial sewing machines sold by major global industrial sewing machine companies in each year between 2010 and 2023, market research completed in September 2024.

# Lightning Hanger System

## Automation

Jack intelligent hanger system achieves full-process automation from raw materials to finished products through advanced automation technology. Utilizing innovative transmission mechanisms and industrial control technology, the system reduces the need for manual handling and record-keeping, enhancing production efficiency and lowering labor costs.

## Digitization

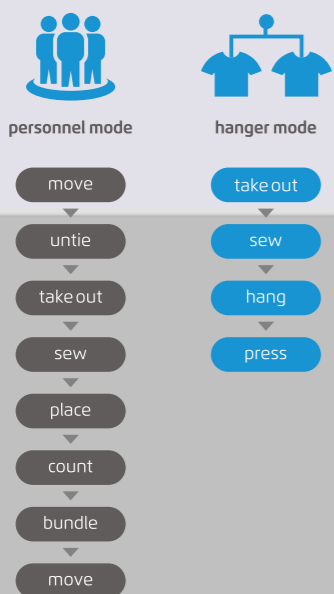
By leveraging the Internet of Things (IoT) and big data analytics, Jack intelligent hanger system enables real-time data collection and analysis. This not only improves production transparency but also provides data-driven support for decision-making, resulting in more accurate production planning and more efficient inventory management.

## Intelligence

Combining AI algorithms and RFID technology, Jack intelligent hanger system achieves intelligent fabric cutting transmission, quality monitoring, and data collection. These intelligent features make the production process more flexible, allowing rapid responses to market changes and meeting the demands of small-batch, personalized customization

## Lean Production

Through lean management, Jack intelligent hanger system minimizes waste in the production process and improves efficiency. The system optimizes workflows with intelligent scheduling and online dispatching, reducing costs while enhancing product quality.



The overall efficiency is expected to increase by

# 30%

- Intelligent pieces delivery, efficiency increases by **12%**
- Intelligent quality monitoring and reworking system, efficiency increases by **5%**
- Set standards, solidify the operation, efficiency increases by **4%**
- Intelligent data collection, analysis and feedback efficiency increases by **3%**
- Intelligent process balance, efficiency increases by **6%**



### Brand value

Industry-leading production and manufacturing standards Digital factories for easier order acquisition



### Economic Value

Faster delivery 1-hour delivery VS traditional 30-hour delivery



### Experience Value

Clothes never touch the ground, ensuring a cleaner workspace and easier recruitment of sewing workers



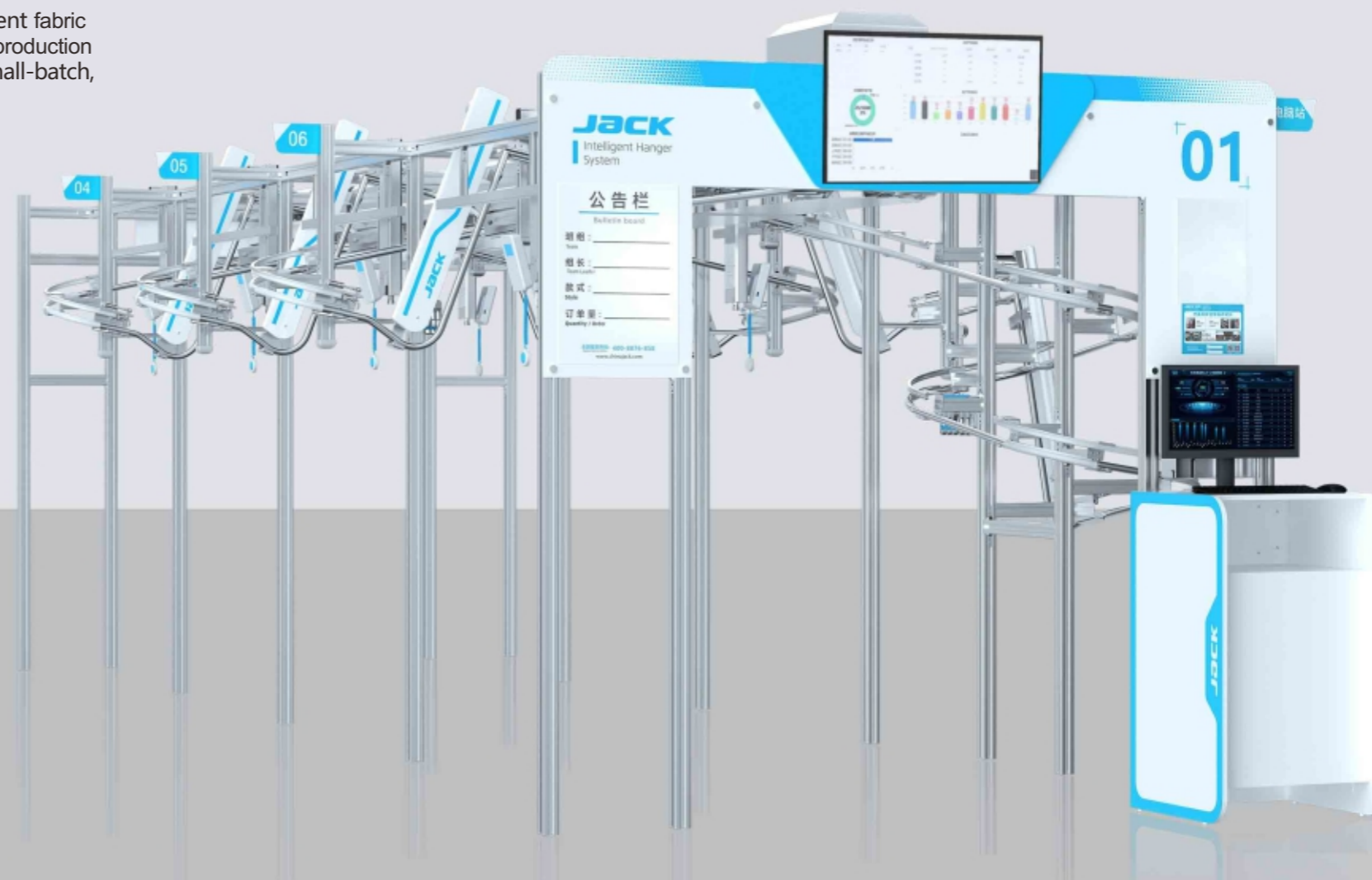
### Quality Value

Hanger system ensures clothes remain suspended, reducing squeezing. QC can identify defects and problematic processes, with automatic rerouting. Single-piece flow allows timely issue detection, significantly reducing rework.



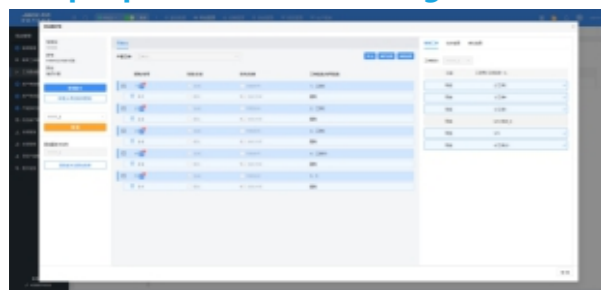
### Cash Flow Value

Semi-finished products in hanging production lines reduced by at least 300% Inventory capital per production line reduced by ¥50,000



## Advantages of Jack Hanger System

### ● Flexible Scheduling: Rapid production scheduling



Step-by-step prompts for every operation, 2-minute order creation, and a 35% reduction in scheduling time. Repeat or similar orders can be activated with one click for quick production. Supports simultaneous production of multiple styles.

### ● Real-time Congestion Alerts for Quick Adjustments



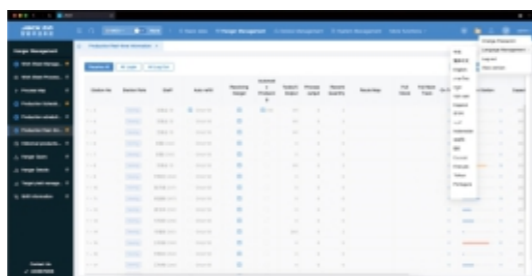
The system automatically collects real-time production data from each workstation. Visualized equipment alerts supervisors about congestion, enabling quick adjustments to maintain line balance.

### ● Dynamic Allocation (Fast In, Fast Out)



Hanger system addresses efficiency disparities among workers in the same process, enabling dynamic allocation (fast in, fast out). Faster work leads to faster progress, automatically balancing the workflow.

### ● Multilingual Support



The Jack intelligent hanging system supports multiple languages, catering to users in different countries and regions.

### ● Digital Precision Management – Production Recording



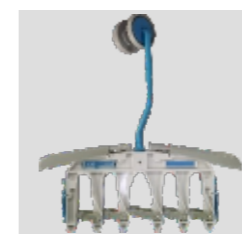
1. Accurately and efficiently records output, avoiding manual errors and facilitating performance evaluations and payroll calculations.
2. Enables multi-dimensional statistical analysis, allowing production data to be viewed for different roles and scenarios.
3. Real-time data updates provide immediate insights for timely adjustments to production plans and resource allocation.

## PRODUCT HARDWARE INTRODUCTION

### ● Cloth-rack component



**Normal cloth-rack**  
Enhanced material, stronger, the chip is not easy to fall off



**Multi-functional cloth-rack**  
With the function of standard clothes and excellent



**Rotary cloth-rack**  
Can prevent the product from winding and collision, suitable for down and cotton class



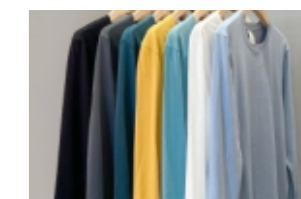
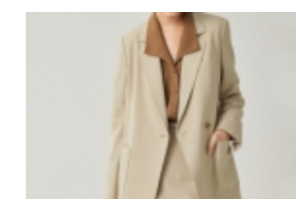
**Hanging basket**  
Suitable for swimwear, underwear, shoes, toys and other small pieces

### ● Quality Testing



## PRODUCT PARAMETER

MODEL	SIZE (MM)	APPLICABLE	Styles	Loftiness	Distance from Thread Rack to Station	Distance from Sewing Machine to Column
Q7-C	1600*2050*2800 主站宽度:460 站位宽度:396	Shorts/Swimwear/T-shirts/Workwear Hoodies/Jackets/Vests/Children's Wear, etc.	≤1米	≤150	40mm	213mm
	1700*2050*3000 主站宽度:460 站位宽度:480	Shorts/Swimwear/T-shirts/Workwear/Hoodies/Jackets/Vests/Casual Shirts	≤1米	≤150	100mm	211mm
	1900*2150*3200 主站宽度:460 站位宽度:600	Down Jackets/Coats/Suits/Uniforms Mountaineering Wear/Padded Jackets	≤1.1米	150≤D≤250	100mm	291mm
	2000*2300*3600 主站宽度:460 站位宽度:600	Padded Jackets/Down Jackets Coats/Special Custom Types	≤1.3米	150≤D≤250	100mm	291mm





## Jiangsu Wujia | SMART FACTORY PROJECT

### »» PROJECT BACKGROUND

Jiangsu Wujia Technology Industrial Park Co., Ltd. was established in 2022 and is located in Shuyang County, Jiangsu Province. As an international apparel company, it has embraced the trend of "intelligent manufacturing" as the new hallmark of the textile and garment industry. The company continues to focus on "Internet + textile and apparel," achieving digital empowerment through intelligent transformation and digital upgrades, paving the way for high-quality development.

The company primarily specializes in mid-to-high-end men's and women's clothing. It employs advanced combinations of wheel-type hanging systems and hook-type hanging logistics systems, along with intelligent warehousing systems. By replacing some manual labor with intelligent machinery, the company has achieved flexible production line scheduling, continuously improving quality and efficiency. The company aims to establish itself as a national-level intelligent manufacturing benchmark in Shuyang's apparel industry.



## Shangcheng Apparel Group | SMART FACTORY PROJECT

### »» PROJECT BACKGROUND

Founded in 1998 in Wuxi, Jiangsu, Shangcheng Apparel Group is a large-scale comprehensive apparel enterprise integrating full industrial chain production and domestic trade.

With seven major production bases and over 15,000 employees, the group achieved an output value exceeding ¥2 billion in 2023, producing over 70 million garments annually.

In May 2021, Shangcheng Apparel Group partnered with Jack Technology. By introducing Jack's intelligent equipment, the group increased production efficiency by 30%, significantly improved product quality, and achieved a customer satisfaction rate of 98%, securing more orders from high-end brands. Shangcheng Apparel Group exemplifies the application of intelligent and digital transformation technologies in apparel manufacturing, along with upgradable new technologies and processes. It has completed its digital and intelligent transformation ahead of peers, gathering momentum for high-quality development and emerging as a leader in the industry's digital factories.

