

# JACK INTELLIGENT HANGER SYSTEM

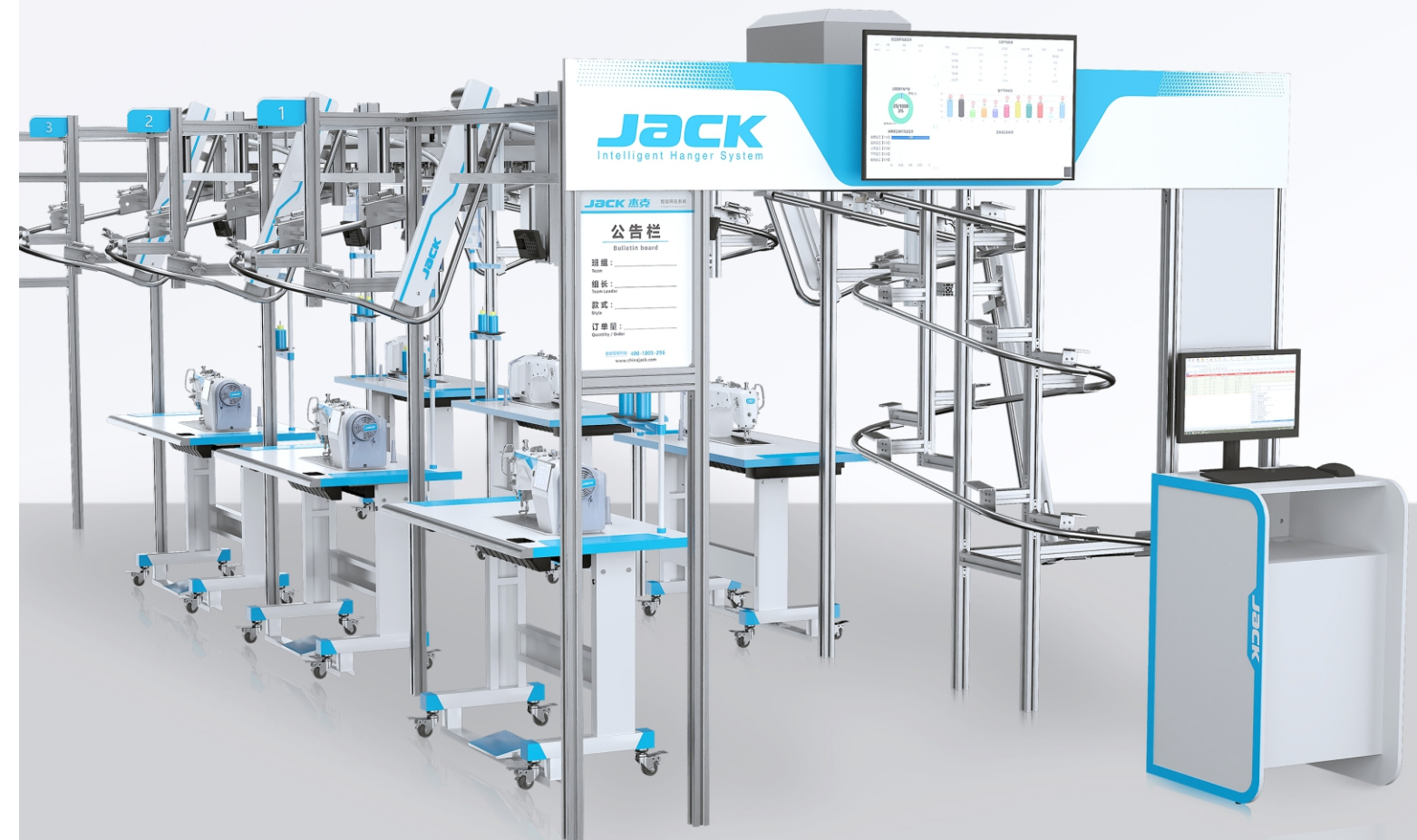
## PRODUCT MANUAL



Jack Wechat



Jack Facebook



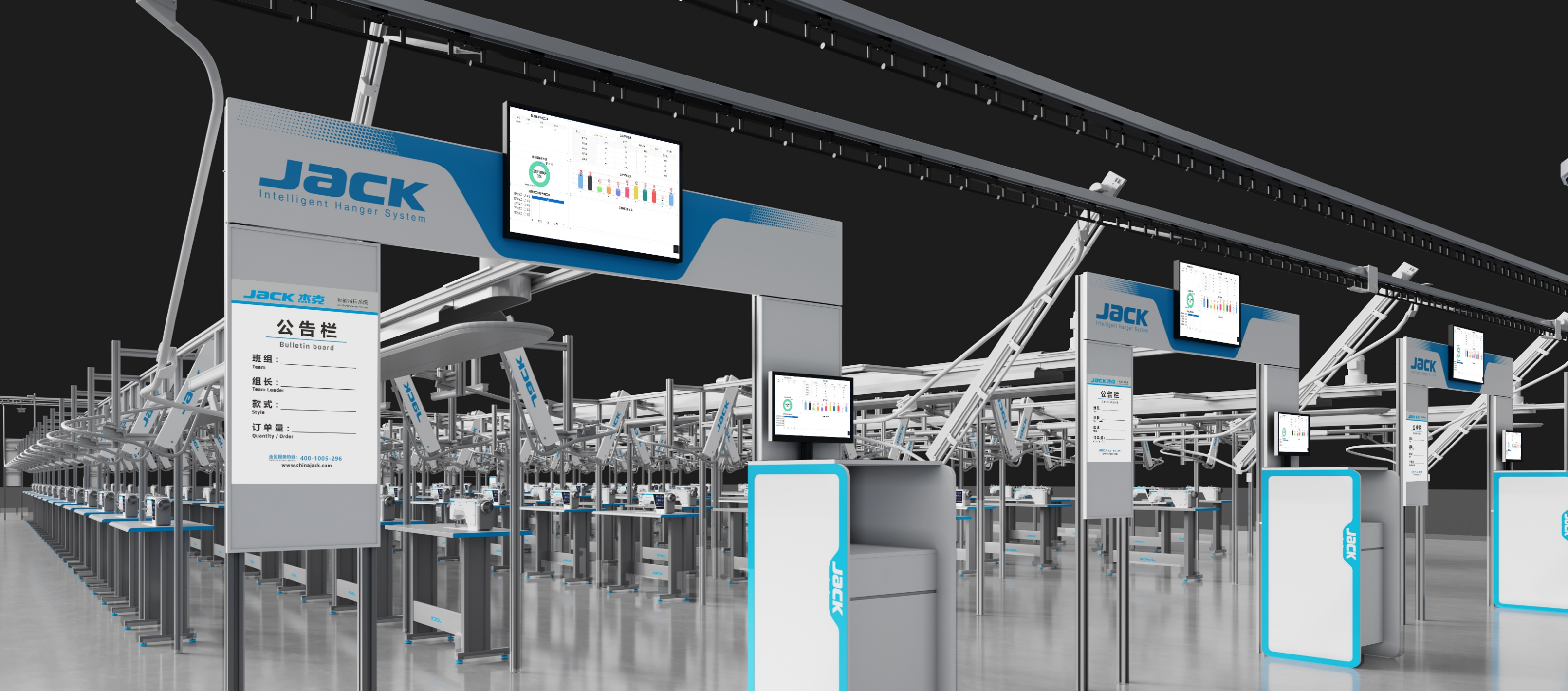
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### JACK TECHNOLOGY CO.LTD

No.1008, Donghai Road East, Jiaojiang District, Taizhou city, Zhejiang, China  
TEL: 0086-576-88177782 88177767  
FAX: 0086-576-88177787

E-mail: [sales@chinajack.com](mailto:sales@chinajack.com)  
[www.chinajack.com](http://www.chinajack.com)





# JACK INTELLIGENT HANGER SYSTEM

## PERSONALIZED CUSTOMIZED COMPLETE SOLUTION SERVICE PROVIDER



Production efficiency increased by 30%

Simple mode and operation  
high efficiency



Shorten product delivery time

Don't be afraid of returning small orders, fast shipping



Decrease stock

Speed up capital turnover



Clean and tidy environment, not afraid of authoritative inspection

Easily accept high value orders



Flexible plan according to needs

Adjust the plan according to factory size



Recover investment within 3 months

Dramatically shorten the return on investment cycle



# JACK INTELLIGENT HANGING SYSTEM

Reduce Labor

Improve Efficiency

Optimize Management



JACK intelligent hanger system is a set of production equipment with smart single-track for clothing, home textile, auto parts and others.

Using computerized management, combined with air pressure and database, management software, electronic technology, RFID radio frequency technology, industrial automatic control technology and new transmission mechanism, to replace the traditional methods of manual handling, recording, statistics and so on, so that realize informationized, efficient and orderly work in the whole production process.

This system uses the calculation in single piece. the cut pieces transport in the form of hanging, which can significantly improve the product quality, production efficiency and management.



personnel mode



hanger mode

move

untie

takeout

sew

place

count

bundle

move

takeout

sew

hang

press

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%**



## PRODUCT HARDWARE INTRODUCTION

### ●Electrical Component



#### 1. Intelligent pieces delivery, efficiency increases by 12%.

The piece is automatically transferred according to the process, without manual handling which increases the effective time of workers.



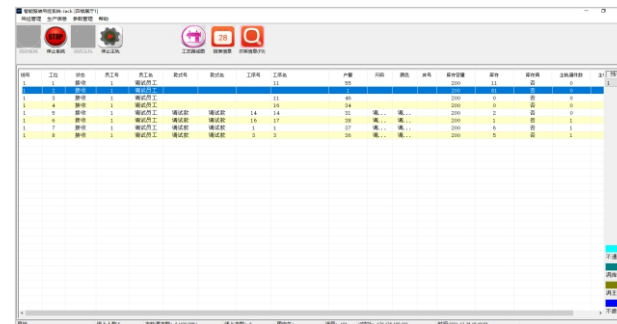
#### 2. Intelligent quality monitoring and reworking system, efficiency increases by 5%.

Each station and quality inspection station can achieve one-click rework on the panel, convenient and efficient.



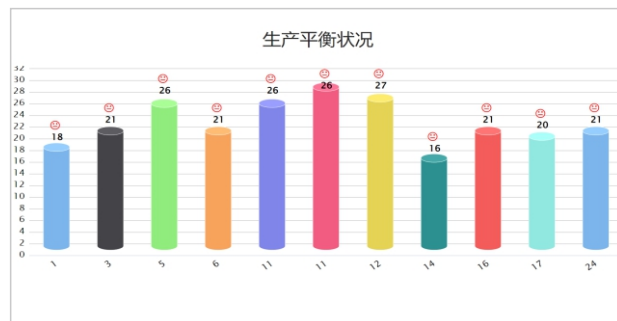
#### 3. Set standards, solidify the operation efficiency increases by 4%

Solidify the worker's operation to taking out-sewing-pressing button, simplify excess action and save time.



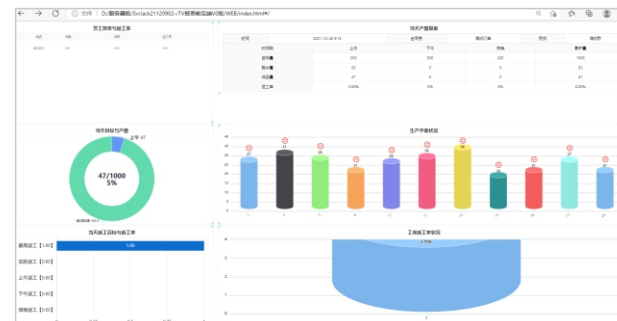
#### 4. Intelligent data collection, analysis and feedback, efficiency increases by 3%

The computer automatically collects the production data of each station in real time, and displays the visualization equipment. The team leader can optimize and adjust it at any time



#### 5. Intelligent process balance, efficiency increases by 6%

The hanger system can solve the efficiency difference of each employee in the same process. The same process can be produced by multiple people, besides, one person can produce multiple processes to achieve the balance of production efficiency. When the employees leave briefly, the system can be automatically distributed clothes-rack according to the station inventory to eliminate the trouble of stopping, and improve the employee consciousness.



#### Intelligent Operation Panel

Support for multiple languages, one-button switch



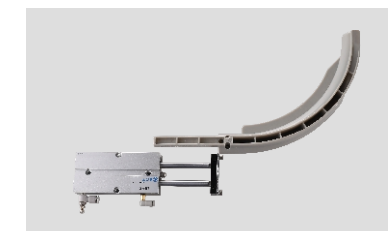
#### IO BOX

Acrylic transparent housing for easy view of work situation



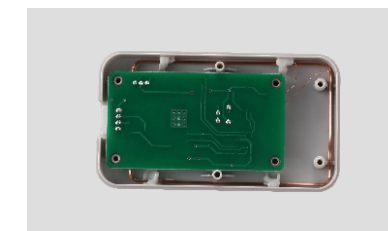
#### Air Cylinder

Jack customized cylinder, strong sealing, durable



#### Enhanced cylinder

Double pers push more solidly and powerfully, cloth-rack enters more smoothly into the track



#### Switch circle lock

Large coil card reader, read farther card distance, enhance reading stability, and support faster running speed



#### Card reader

The keys are more ergonomic and more comfortable to use

### ●Cloth-rack Component



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



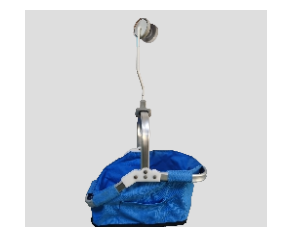
Multi-functional cloth-rack  
With the function of standard clothes and excellent



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



Home textile cloth-rack  
Special cloth-rack, bearing more, suitable for wide chain operation



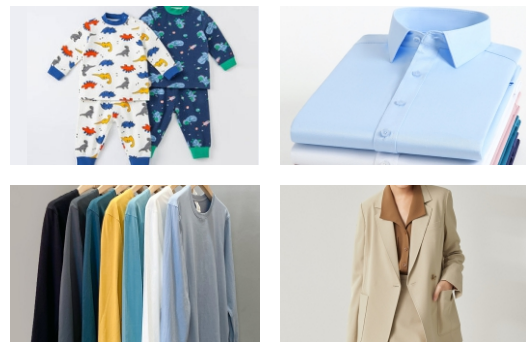
Hanging basket  
Suitable for swimwear, underwear, shoes, toys and other small pieces



# PRODUCT PARAMETER

## ● HS6 NORMAL LINE

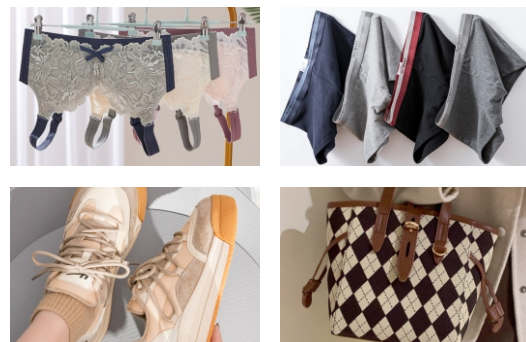
children's wear, shirts, T-shirts, suits, trousers, etc.



MODEL	SIZE (MM)	APPLICABLE
HS6	1700*2050*3000*460	children's wear / beach pants / short skirts / casual shirts
	1900*2050*3200*460	pants / jeans / shirt / sweater / warm clothes / pet wear
	2000*2150*3600*860	down jacket / coat / suit / uniform / mountaineering / padded jacket /rear whole
	HIGH LEVEL CUSTOMIZED	cotton-padded jacket / mountaineering suit / rear whole / coat / uniform / suit / small family spinning

## ● HS6-D HANGING BASKET LINE

bra, underwear, shoes, handbag



MODEL	SIZE (MM)	APPLICABLE
HS6-D	1900*2150*3200*460	swimwear / underwear / bra / women's leggings / silk / pieces
	2200*2300*3600*600	shoes / handbag / rety / finish / accessory processing
	HIGH LEVEL CUSTOMIZED	shoes / handbag / rear whole / toy

## ● HL6 HIGH CHAIN LINE

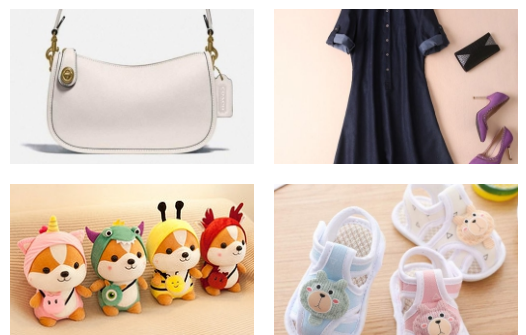
four-piece set, cushions, horse clothes, outdoor appliances



MODEL	SIZE (MM)	APPLICABLE
HL6	1700*2500*3200*460	long dress / suit / uniform / multi-bag pants / jeans / rear whole
	1900*2600*3600*600	military / down jacket / mountaineering suit / suit / uniform / home textile / rear whole
	2200*2800*3600*600	high-grade knitting / spindle weaving whole system
	HIGH LEVEL CUSTOMIZED	horse clothing / special outdoor appliances / special home Textile / special retire / stroller

## ● HL6-D HIGH LINE HANGING BASKET LINE

handbags, dresses, cartoon dolls, shoes



MODEL	SIZE (MM)	APPLICABLE
HL6-D	1900*2700*3600*600	swimwear / lingerie / bra / women's leggings / silk / pieces
	2200*2800*4000*860	shoes / handbag / rety / finish / accessory processing
	HIGH LEVEL CUSTOMIZED	shoes / handbag / rear whole / toy





## JIADU GROUP | SMART FACTORY PROJECT



## DETI TECHNOLOGY | SMART FACTORY PROJECT

### »» PROJECT BACKGROUND

JiaDu Group has 4 central factories and 11 satellite factories with nearly 4,000 employees, mainly engaged in the processing and research and development of sports woven, down jacket, children's clothing and so on. Cooperates with well-known clothing brands such as Li Ning, ANTA, PUMA, Skechers and Decathlon, the annual output value is nearly 1 billion; Orders are increasing day by day, the demand for flexibility from the order requirement is getting higher and higher, and the shortage of workers is becoming more and more. To solve higher requirements, JiaDu Group launched an intelligent industrial project in ChangPo Town, GaoZhou City in 2018.

#### VOC

1. Fully adopt automatic sewing equipment to facilitate recruitment, solve local employment problems, and ensure the quality of clothing.
2. Realize flexible production, small and fast SLR, and support the on-demand production of well-known brands.
3. Get through each data flow, and the whole production process can be perceived and visualized, so that brands can remotely understand the production progress.
4. The modules of the factory are standardized and can achieve rapid replication and production.

#### SOLUTION

JiaDu Group will transform the surface accessories warehouse, production workshop and finished product warehouse, and created fabric and accessories intelligent warehouse management system together with software developers; invested 4 sets of German Bullmer IoT automatic spreader and cutter, AI cloth inspection machine, intelligent marking machine, 15 intelligent IoT hanger line, nearly 3600 IoT template machine and automatic sewing equipment.

At the same time, the hanging system and the hanging logistics line are set up. The production mode is arranged to intelligently connect the whole slice to the sorting link. At the same time, the automatic sorting, the automatic packaging system and the intelligent finished product library module are added.

#### CUSTOMER INCOME

Build the traditional production workshop into a more efficient and more intelligent digital workshop. From the order to the package, the whole process is in real-time monitoring, clear at a glance. We will solve local labor and employment problems and raise local income levels.

New staff training with 1 hour can start to work. Really realize the whole chain of logistics and information flow of the garment accessories stock, cutting center, sewing workshop, finishing sorting center and finished product warehouse.



### »» PROJECT BACKGROUND

DeTi Smart Industry is a wholly-owned subsidiary of Hangzhou DeTi Technology, specializing in intelligent factory and sharing digital factory plan, system integration, project implementation, capacity integration. With the rapid development of e-commerce industry, in order to meet the requirements of brand, e-commerce, live show and the cross-border industry, DeTi continues promoting alteration of quality, efficiency and power in the garment industry through building intelligent factory, digital sharing factory and digital production in the national industrial belt of professional categories.

#### VOC

1. Improve operation efficiency
2. Comprehensively improve production and management efficiency
3. Realize highly information and customized flexible manufacturing

#### SOLUTION

Jack provides complete solutions of intelligent garment manufacturing, overall planning of the whole process of production, and provides lean consulting and guidance on automatic IoT equipment and service production before, in and after sewing.

The project includes each functional modules of intelligent cloud warehouse, covering the software and hardware system and database of hanging pieces temporary storage, finished product storage, divided temporary storage and leaving, as well as the corresponding system maintenance services.

#### CUSTOMER INCOME

DeTi and Jack cooperates, integrated system supply chain, standardized wisdom production system, rapid replication ability, stable service training system, strong continuous upgrade ability, establish "platform orders, according to process decomposition, productive line collaboration" small single fast sharing manufacturing mode. At the same time, also integrated nearly thousands of scattered, idle high quality factory resources, through the factory and supply. Break the limit between factory and chain platforms, promote orders by standardization, tagging and automation, realizes efficient allocation and networked collaborative production.

