

Industrial supply solutions provider

Shandong Longdu Protection Technology Co., Ltd.

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Smart
manufacture

01 INTRODUCTION

Culture



LONGFEI



Build in 2002

22 years experience shoes produce
and study

Safety shoes industry pioneer, leader

corporate vision

Be a leader in the
industry

corporate philosophy

Quality-based
technological innovation

enterprise mission

Committed to scientific and
technological research and
development to lead green
development

core value

Customer-oriented teamwork

Abide by the system integrity and
responsibility

公司综述

230

million

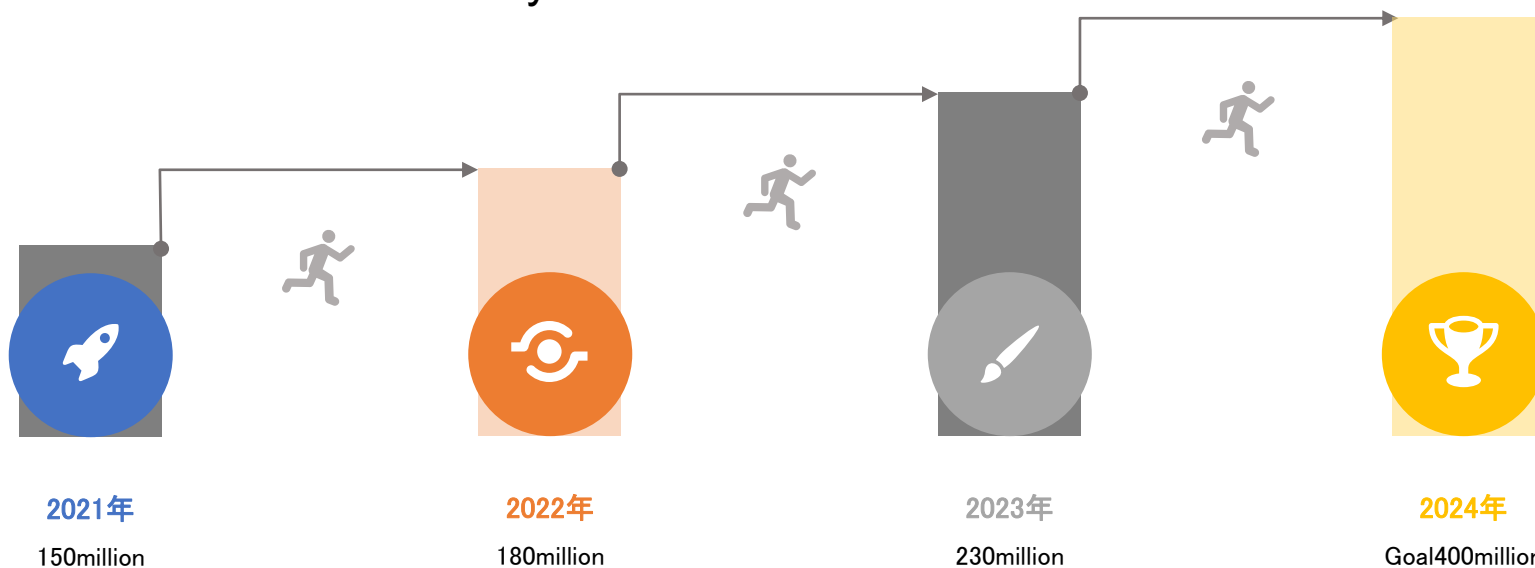
600

worker

500

capacity

400 million next year



4 line domestio pu injection

2 line cemented

1 line goodyear welt

1 Desma machine



LONGFEI

■ Gaomi shoes
factory
1991.2

■ Establish
Longfei shoes
2002.10

■ Come in use liquan
Industry square
2012.3

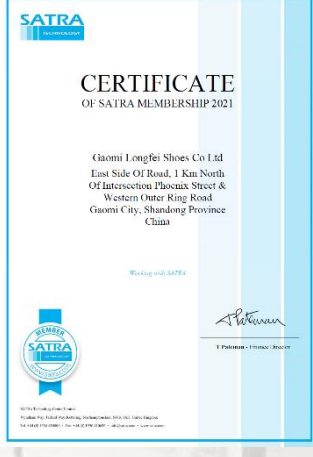
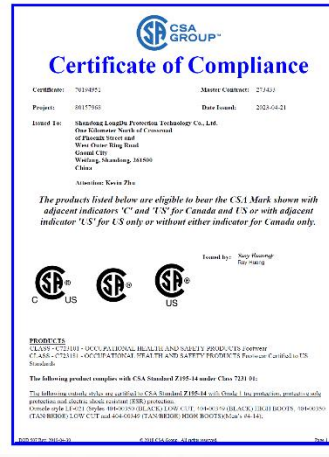
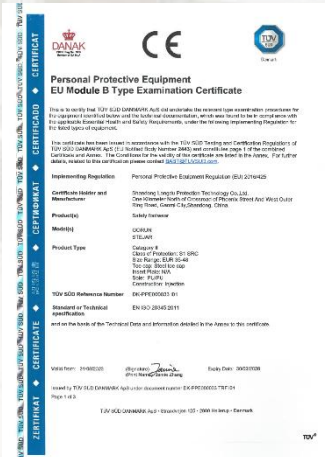
■ Build qingdao
longfei safe co.,
ltd
2018.7

■ replace name
to:shangdong
longdu protection
technology co., ltd
2022.8

■ 70 mu science
and technology
industrial park
was put into
construction
2024.2



Technology R&D



MORE...



R&d patent



MORE...

Protect Material



Mature steel toe punching process

•craft:

Using high pressure drilling process, the hole spacing is evenly distributed, and can be operated by external sewing machine to avoid the error problem of manual sewing.

•stiching:

The only solution for the whole shoe sewing, mature used in the processing of all kinds of safety shoes, never open the glue.



- ▶ suit for steel and aluminum
- ▶ Standard impact performance
- ▶ Standard voltage resistance
- ▶ solution to the entire shoe suture



≥15000N



200J



65+g



lightweight

size: 5-12

wholeshoes test standard: CE/ISO/EN/ASTM/NAS/CSA

Waterproof Material



SOLE WP

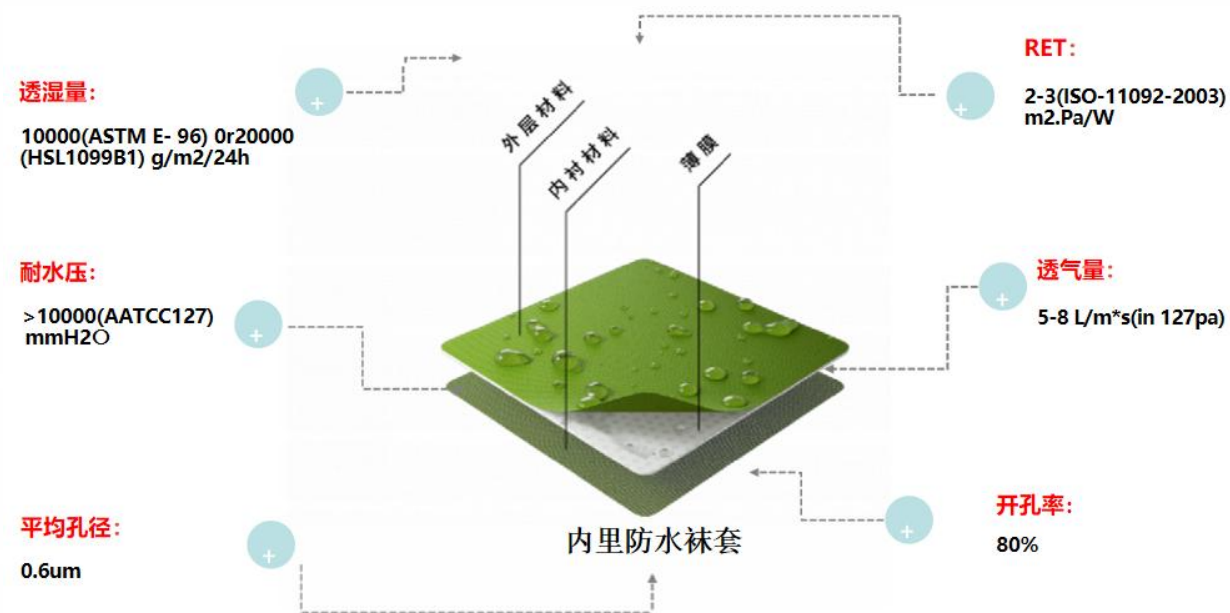
- Rubber outsole and the whole shoe car line and side seam part of the high-density non-toxic and tasteless waterproof agent does not overflow water, waterproof agent blocking to block water into the shoe inside.

Decorate WP

- The outsole and the whole shoe are bonded with high-density non-toxic and tasteless waterproof adhesive.

Lining WP

- Waterproof stocking on the inside of the shoes. Waterproof and breathable.



Optimized water resistance with three layers of insurance to provide excellent water resistance.

Quality assurance system



Materials & labor

Main materials + Accessories:

A set of raw material inspection, finished product inspection guarantee system.

Standard of Test:

Standard recommendation and functional testing according to customer requirements.

Smash-proof and puncture-proof (Aluminum toe)

Insulation or anti-static electricity (esd)

Oil and skid resistant (SRC)

Productive process

1. Merchandising department: tracking and returning visits during the production process and after completion, and constantly improving according to customer feedback;

2, Quality Department: in the production process of our company in accordance with the regulations of testing, and random, non-fixed supervision and inspection, timely detection of problems, to eliminate unqualified products.

Test machine

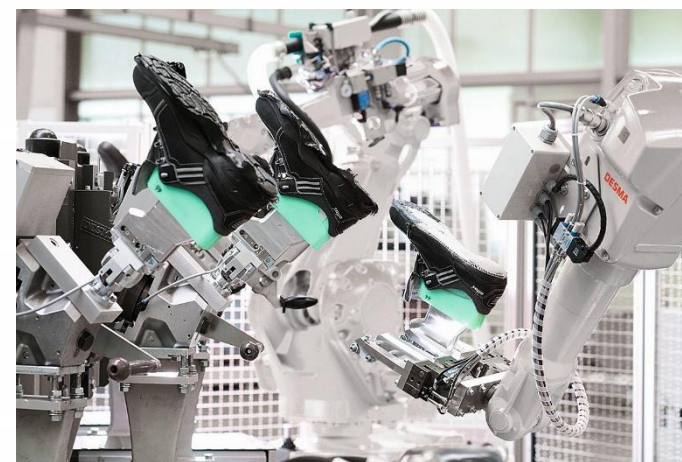


Shandong Longdu Protection Technology Co., Ltd. >>>

The company has a SATRA certified laboratory, and every shoe is subjected to rigorous testing. Including the whole shoe bending testing machine, sole bending testing machine, steel head compression and puncture testing machine, sole wear testing machine, microcomputer tensile testing machine, specific gravity balance, electrostatic dispersion testing machine, high voltage electric shock testing machine, steel head impact testing machine, the whole shoe waterproof performance testing machine



Workshop



Service guarantee system

Production, supply, after-sales service

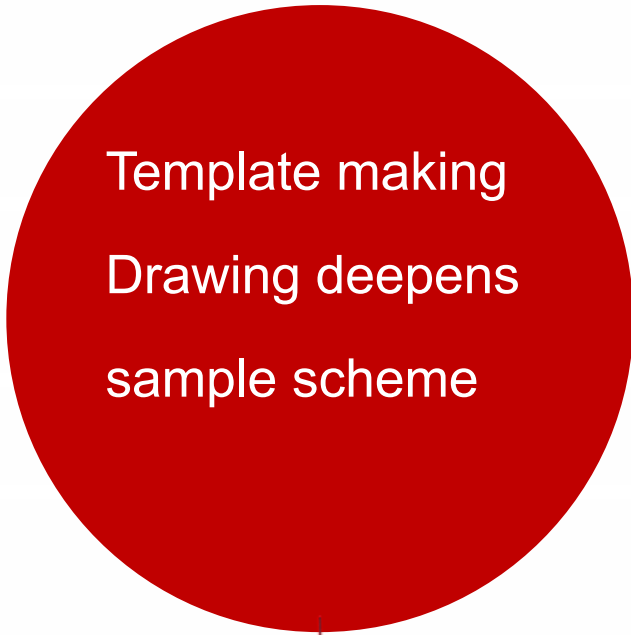
Service guarantee system



Service



department of
technology



Design Department

Model Department



Merchandising Department

Production center

Logistics Department

Customer Service department

02 Smart Factory

新产业园布局



LONGFEI



Cover an
area of
70 mu

workshop
40,000
square
meters

Industrial park is located in the main road Kangcheng Street, pre-construction of two four-storey factory buildings, 40,000. A five-story office building. A dormitory for 450 people. Realize the separation management of production area and living area. After the completion of the new industrial park, we are determined to catch up with Haiyu and become the first safety shoe factory in the city. The new industrial park has complete supporting facilities to increase the happiness index of employees and realize occupational health management.

Auto Machine



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1 automatic leather cutting line

1 automatic auxiliary material feeding line

1 automatic pattern machine needle line

1 semi-automatic computer needle line



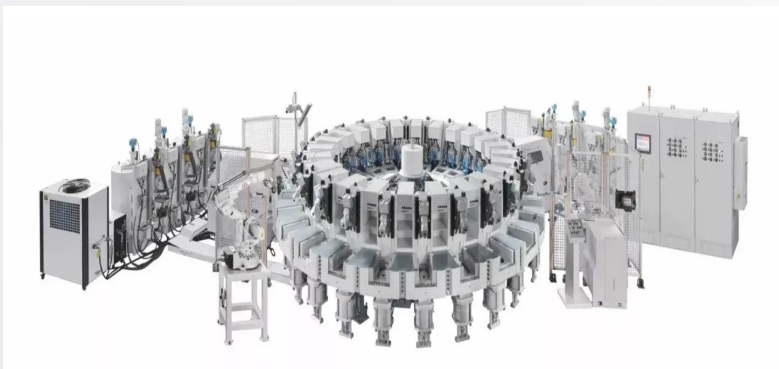
Improve production efficiency and reduce labor intensity
Ensure product quality for digital development

**Auto
Factory**

Auto Machine



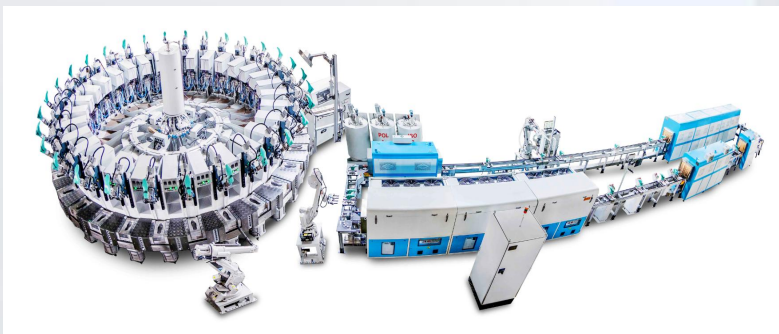
LONGFEI



A disk machine is added on the basis of the original to realize the interactive use of two disk machines.

Auto
Factory

The existing 3 injection lines were eliminated, one was retained as the sample line, and the rest were completely replaced by semi-automated robotic hand injection lines.



Optimize adhesive and Goodyear lines, improve production processes, and improve product quality

Industry 4.0 workshop



LONGFEI



"Industry 4.0" includes the fundamental model shift from centralized control to decentralized enhanced control, establishing a highly flexible production model of personalized and digital products and services. In this model, the boundaries of the traditional footwear industry will disappear, and new areas of activity and forms of cooperation will be generated, creating new values.

Through the construction of the new factory, we will strive to become the user and beneficiary of a new generation of intelligent production technology in production management, human-machine interaction and the application of information technology in industrial production process, and also become the creator and supplier of advanced industrial production technology.

Through the implementation of Industry 4.0 strategy, Longdu will become the leader of the new generation of industrial production technology in the footwear industry, which will enable us to further enhance the global competitiveness of Longdu under the premise of continuing to maintain the development of domestic manufacturing industry. It is the real breakthrough point to reduce production costs and improve efficiency.

**Auto
Factory**

sustainable development



LONGFEI



We use solar photovoltaic power generation to supply machine operation, no fuel consumption, no emissions including greenhouse gases, no noise, no pollution. Solar energy resources are widely distributed and inexhaustible, and sustainable development is laid out from the source.

**Green
Factory**



We use solar photovoltaic power generation to supply machine operation, no fuel consumption, no emissions including greenhouse gases, no noise, no pollution. Solar energy resources are widely distributed and inexhaustible, and sustainable development is laid out from the source.



**REDUCE
REUSE
RECYCLE**



Future



Always believe that good things are about to happen

Shandong Longdu Protection Technology Co., Ltd.

Welcome customer visit our new factory



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