



**CHS**<sup>®</sup>

# FACTORY PROFILE

长虹塑料集团英派瑞塑料股份有限公司

CHANGHONG PLASTICS GROUP IMPERIAL PLASTICS CO.,LTD.

# Agenda

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01

Company  
overview

02

Main  
products

03

Facility and  
Capability

04

Quality  
control and  
Certificate



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# PART-01

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Company overview





## Main Products

Self-locking nylon cable ties and other kind of nylon cable ties, stainless steel cable ties, cable clips, terminal blocks, insulated terminals, wire joints, tie mounts, spiral wrapping bands, wiring ducts, cable glands, macromolecule alloy cable tray, etc.



Registration  
on Fund

RMB 242,544,211.00



Floor  
Space

130000m<sup>2</sup>



Building  
area

130000m<sup>2</sup>



# Over view

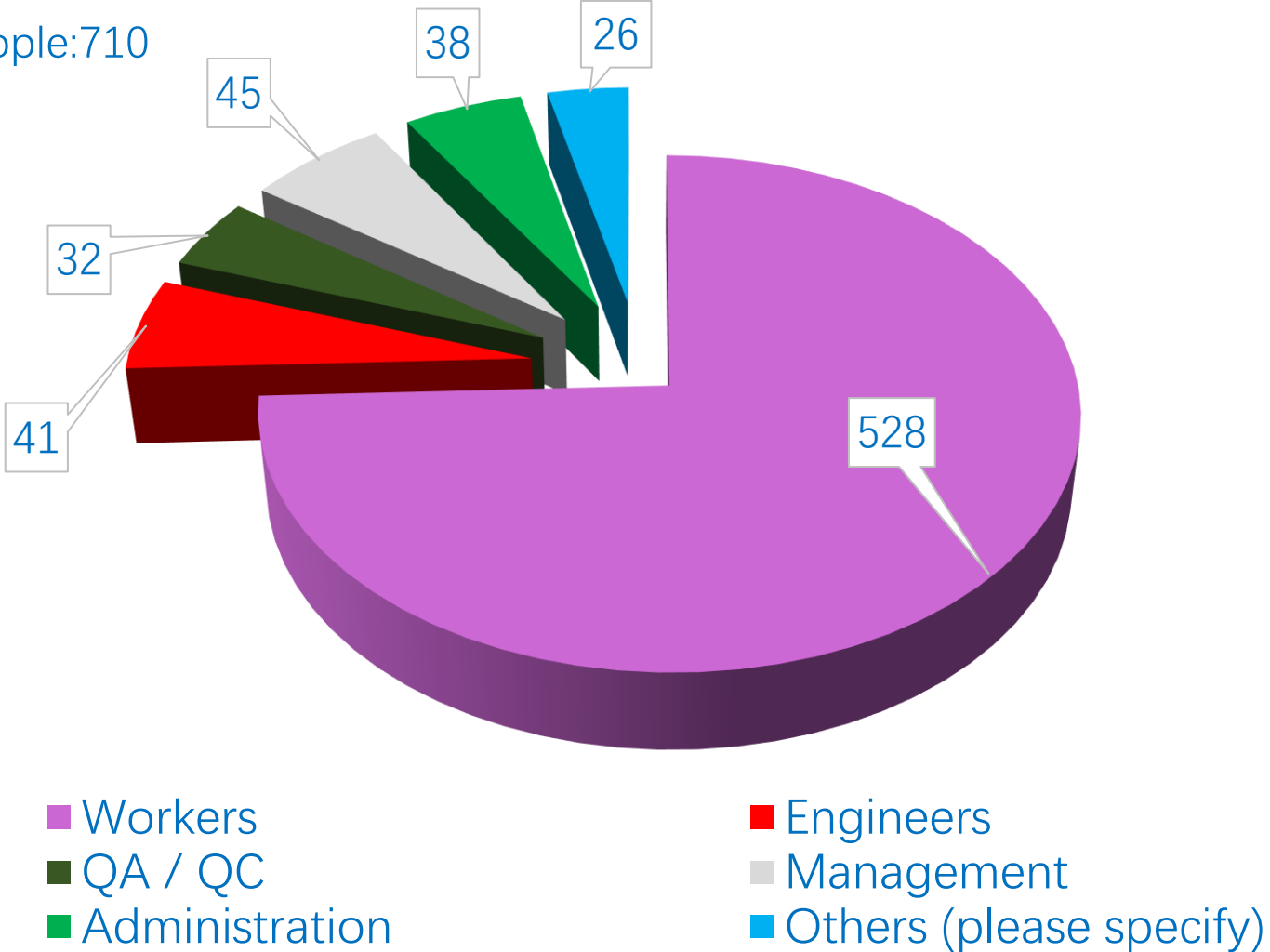


# Workshop

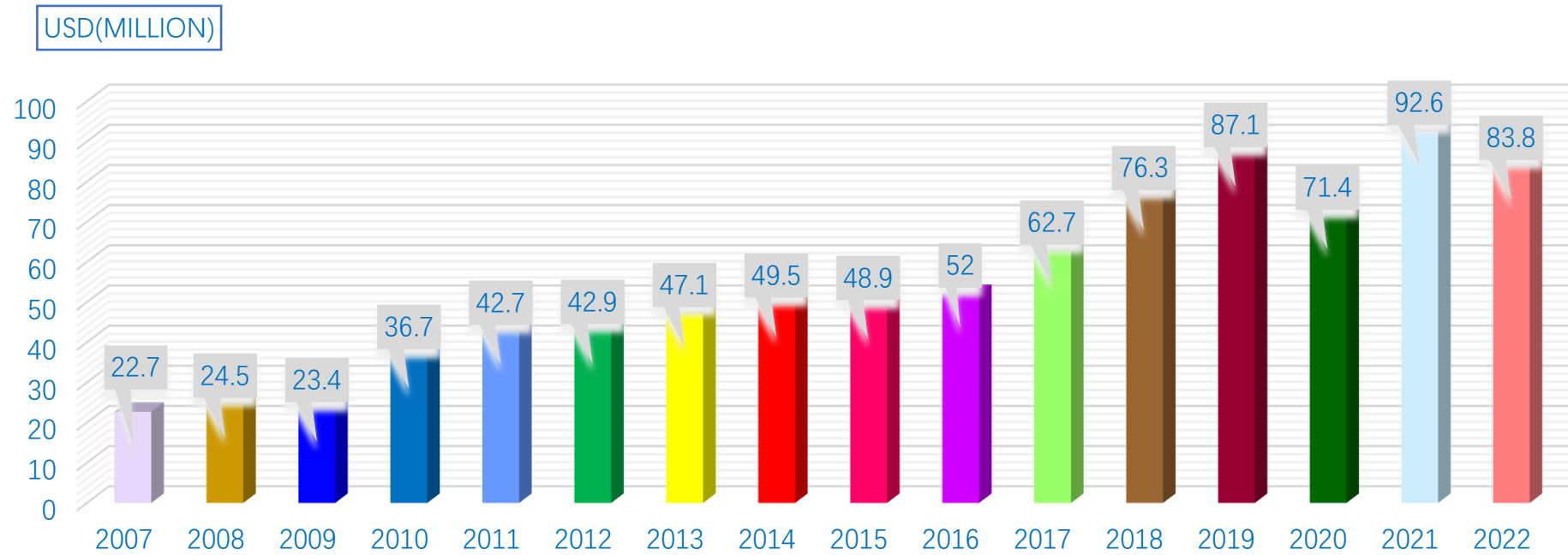


# Factory Staff

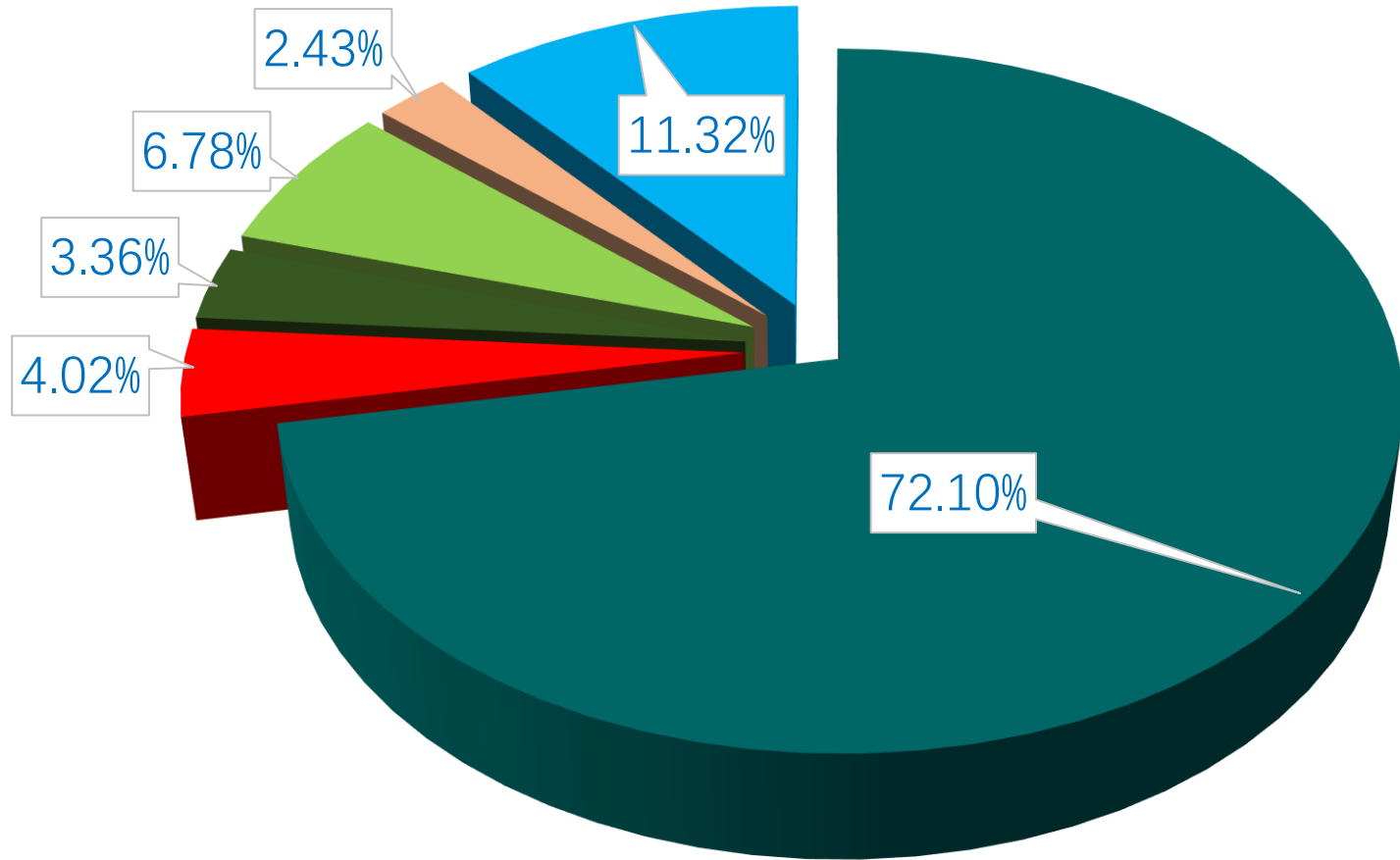
Total number of people: 710



# Sales (Tax-inclusive)



# The Proportion Of Each Product In 2022



■ Cable Ties

■ Terminal Blocks

■ Cable Clips

■ Cable Tray

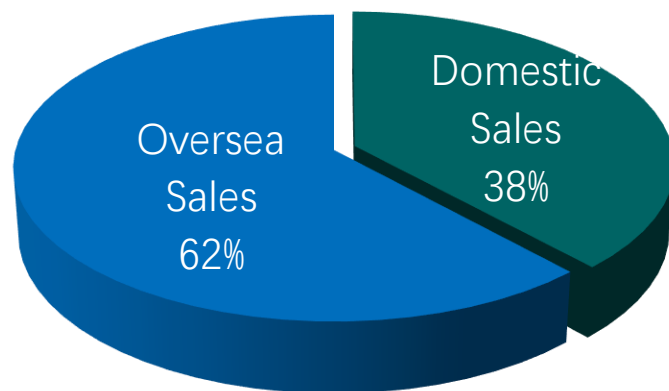
■ Metering Cabinet

■ Other

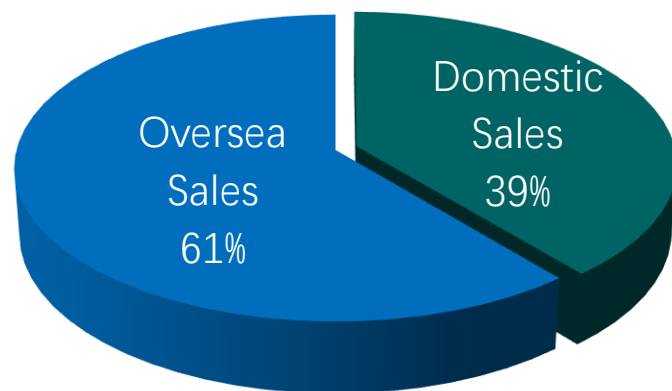
# Domestic And Oversea Sales

2020~2022

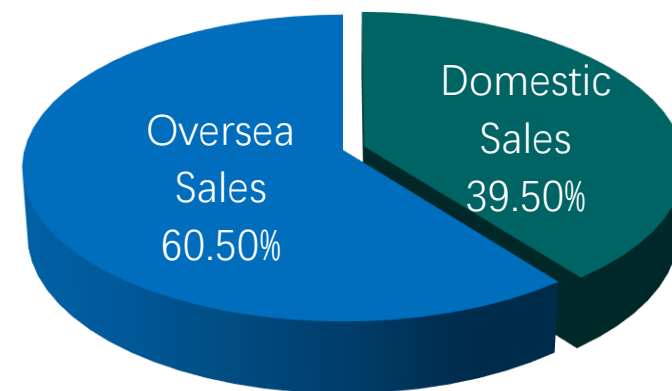
2020



2021

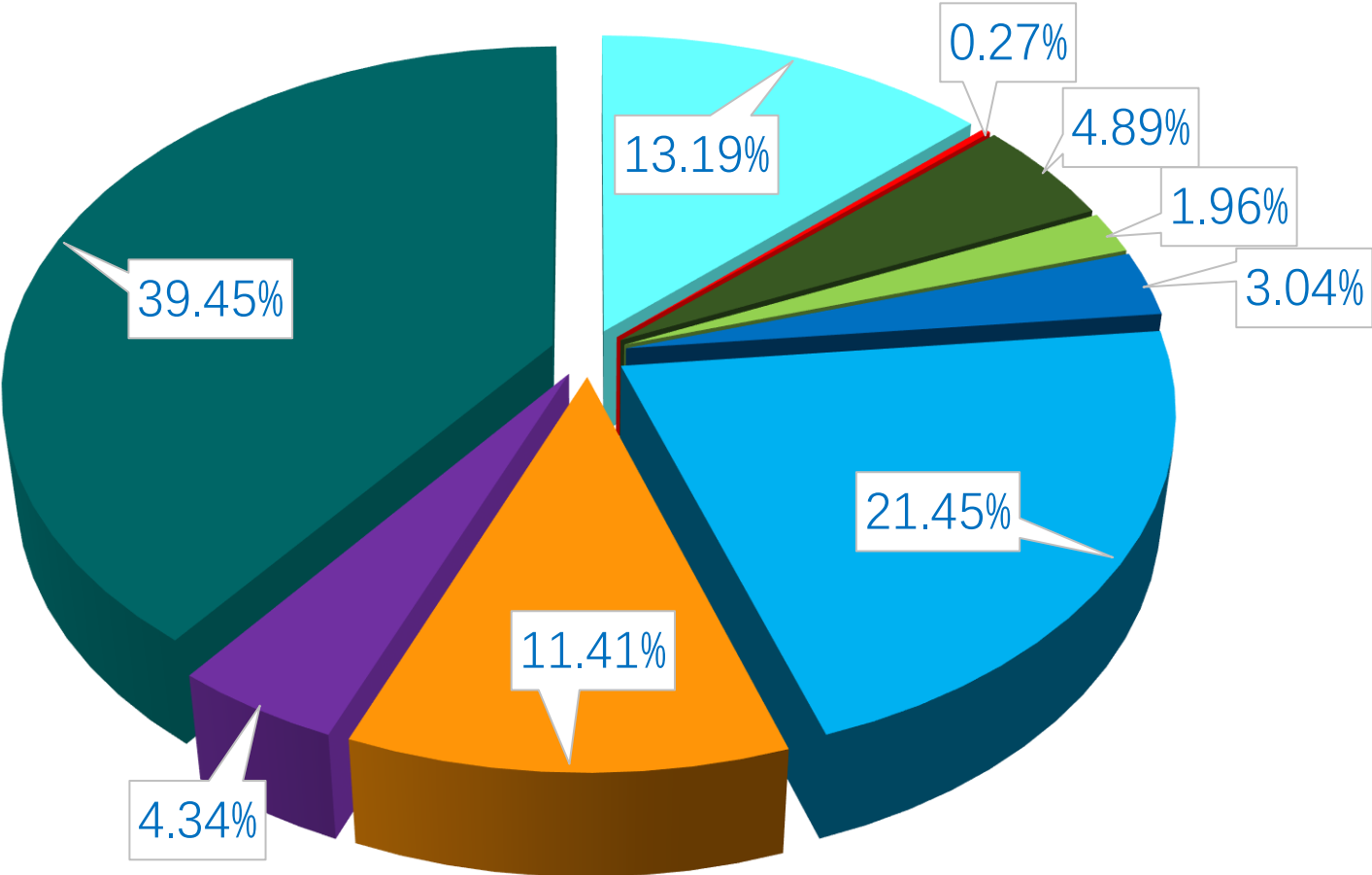


2022



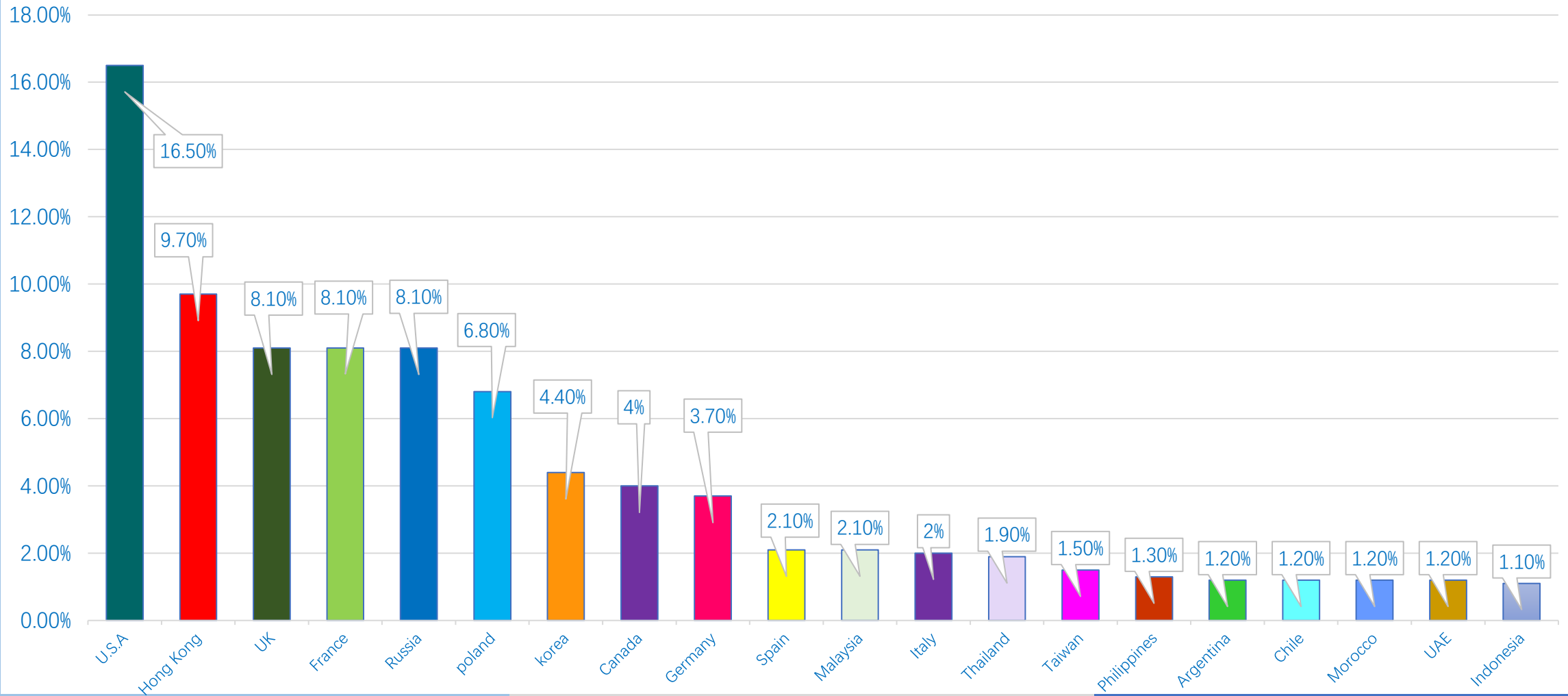
# Sales In Different Continent In 2022

- North America
- Oceania
- Russia
- Africa
- South America
- Europe
- Asia (Other)
- Asia (ASEAN)
- Asia (Chinese mainland)



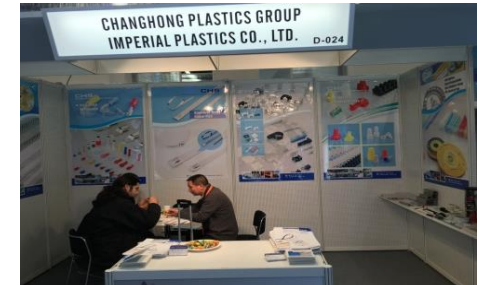
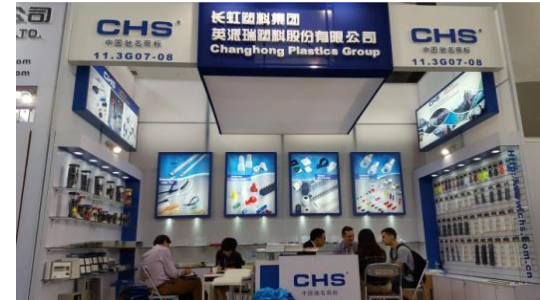
# Sales in different countries (regions) in 2022

## Top 20 (Overseas Sales)



# Attend Exhibitions

Attending domestic and oversea exhibitions to develop markets.



# Foreign Customers



# Domestic Customers



HUAWEI



SANY

中国中车  
CRRC



DELIXI  
德力西电气

Hisense

创新就是生活

海信



中联重科

CHINT

正泰



中国中铁

美的 Midea



徐工集团



KING LONG

金龙客车



Luyuan 绿源



中国建筑



创意感动生活  
The Creative Life



EOPLE



KING LONG

金龙客车



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# PART-02

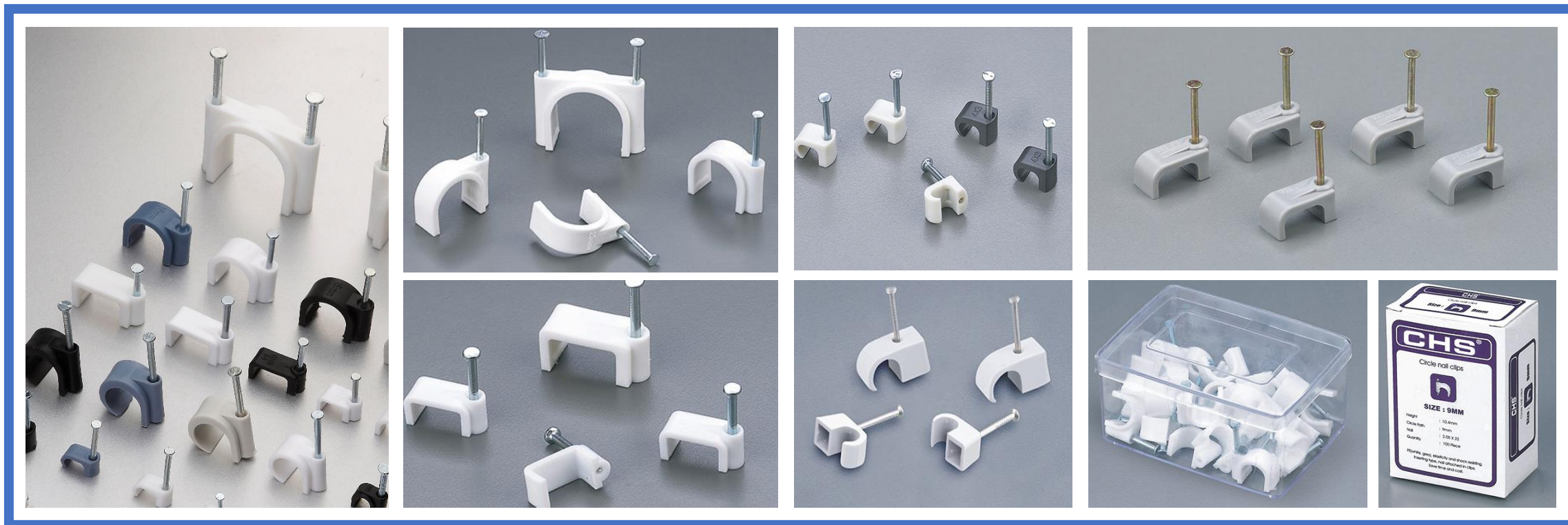
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Main products

# Cable Ties



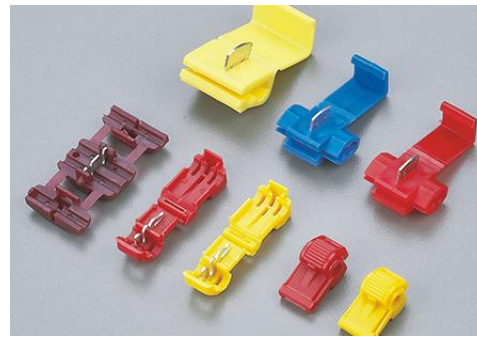
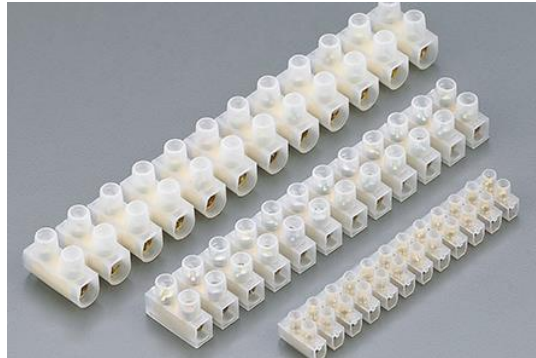
# Cable Clips



# Terminal Blocks

## Wire Connectors

### Quick Wire Connectors



# Cable Glands Wiring Duct



# Tie Mounts

## Expand Plugs

## Cable tie holder

## Cable clamps

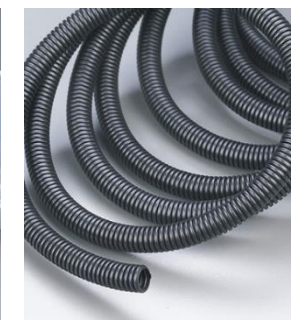


# Cable markers

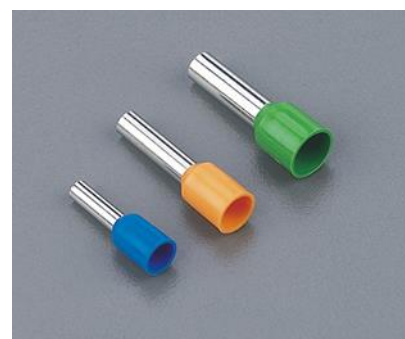
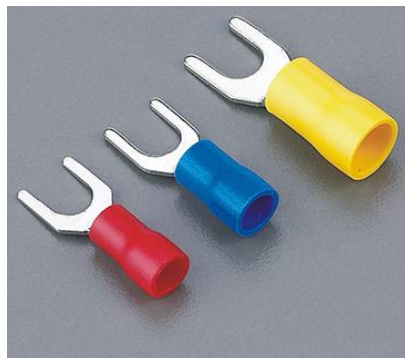
## Vinyl Wire End Caps

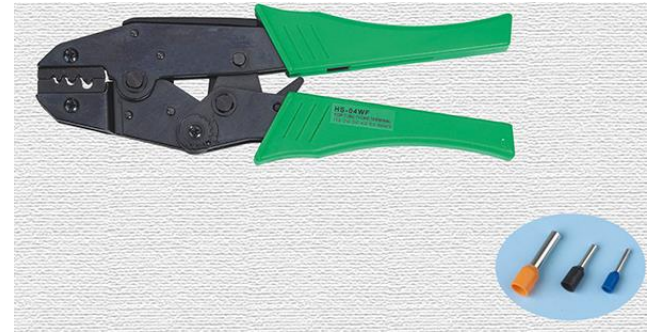
## Spiral Wrapping Bands

## Heat Shrinkable Tubings



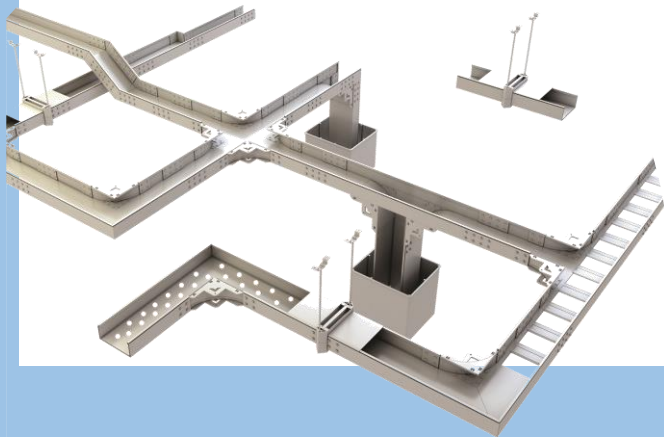
Insulated Terminals  
Copper Tube Terminals  
Insulated Disconnects  
Insulated Butt Connectors





# New Products





# New Products

- Macromolecule Alloy Cable Tray
- Non-Metal Watt-Hour Metering Cabinet





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# PART-03

Facility and Capability

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# High-quality raw materials



※ The quality of the cable ties is highly dependent on raw materials. CHS has imported high quality Ascend PA66 from the U.S.A as raw material of cable ties which has better chemical stability and superior quality!

※ Besides the main NYLON 66, there are other NYLON 66 with special properties including the materials fire rating UL94 V-0, materials low temperature resistance  $-50^{\circ}\text{C}$  and materials high temperature resistance  $120^{\circ}\text{C}$  to meet the special requirements of customers.

# Central drying and feeding System

We have set up the "Central drying and feeding" system for our material drying and transferring to each injection machines. With this system, the material moisture percent for injection, and the material consistent quality will be guaranteed.



# Injection Specification



5 workshops, 200 injection machines. 40 tons plastic goods can be produced per days. Hot runner moulds ,central supply system, automatic mechanical arms, self warning record, high product forming rate up to 99.5%+.

In this team, most of the people are together with the company in a long time, the people are familiar with the machines, and could keep the machines in the best status of the production with the right parameter, and know well of how to maintain the machines. The machines, we limited to use the brand of Haitian, and FCS. Till today, all of our machines has been applied with the auto-robot for the production, this way will give the people a safety working environment and the quality of the products during the production will be more stable.

# Production Capacity



1500tons



Maximum Monthly Capacity

1200tons



Current Monthly Capacity

75pcs



Maximum Monthly Capacity (in  
40' Containers)

60pcs



Current Monthly Capacity (in 40'  
Containers)

# Packing



- ※ Packing is last Key control point of QC. 6S Six Sigma is used in our Packing dep. It helps to update the user experience of our customers.
- ※ There are 3 packing dep. In our company. Ttl 230 workers and 40 tons products can be packed one day.
- ※ Automatic / semi automatic machines have already put into use recently. They will improve the packing quality, reduce the labor cost and save lead time.
- ※ We develop the auto packaging machines by our ourselves, which including the function of air-out, water in and sealing. Our way of the packaging, it could bring the cable ties bear the right moisture and seal the products in good condition.

Automated  
packaging



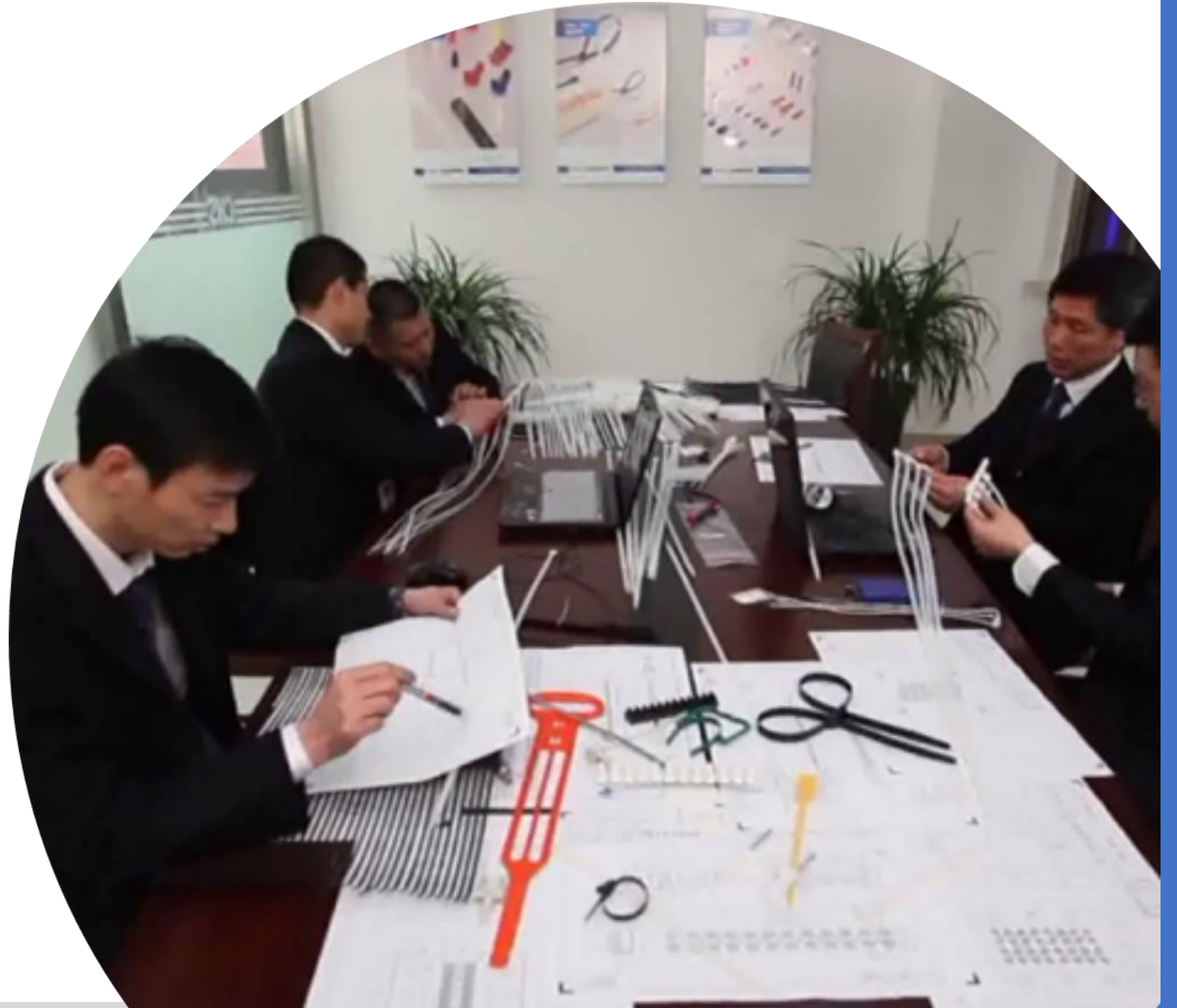
Raw materials



End product

## Technology & Research

Our products were developed by professional engineers, and have been tested repetitiously before put into production and sale.



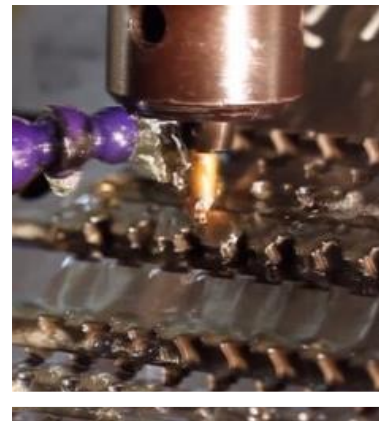
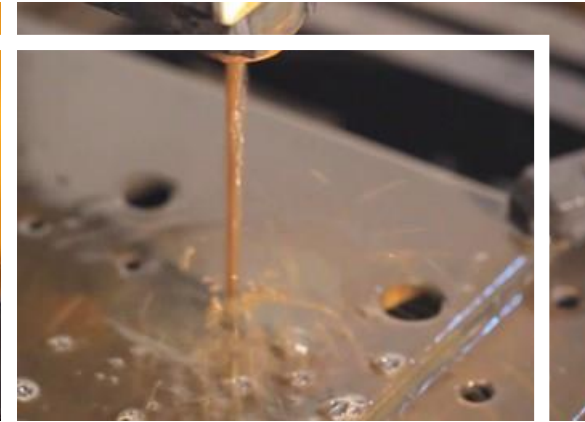
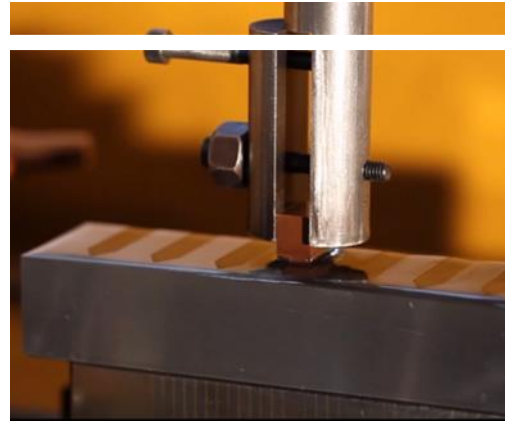
# Moulds



- ※ 25 Engineers in Mould dep..
- ※ Hot runner moulds.
- ※ 1600 moulds (520 moulds for cable ties.).14 procedures to be completed,35-45 days needed.Self-locking cable ties moulds: 200+ .Size from 60mm to 1350mm.One stop cable ties supplier for you.
- ※ Other Moulds: Releasble cable ties,marker ties,knot ties,double locking cable ties,mountable cable ties,saddle mounting cable ties,push mount cable ties,In-line cable ties,stainless cable ties····.

# Mould dep.

We are on keeping a stable quality of the mould. We finished our in-house mould processing workshop in 2011. All of our mould processing from CNC engraving ,milling,grinding,wire cut,WEDM-LS,electro-spark can be done in our own workshop.





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# PART-04

Quality control  
And  
Certificate

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# QC process



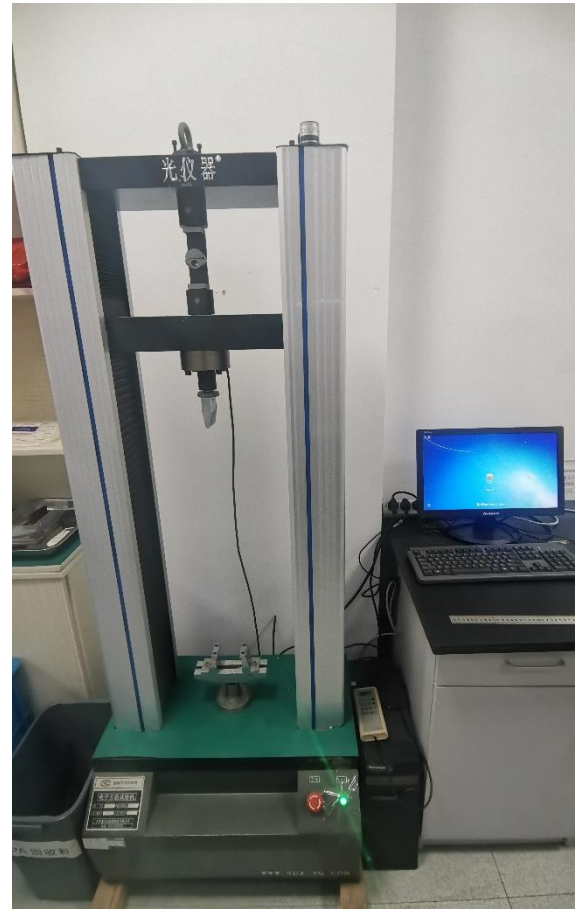
# UL Witness Test Data Program for UL 62275



# Laboratory details



Aging Test



Tensile Strength  
Testing



Shock Test



Aging Test

# Laboratory details



Frozen Testing



Impulse Test



Moisture Testing

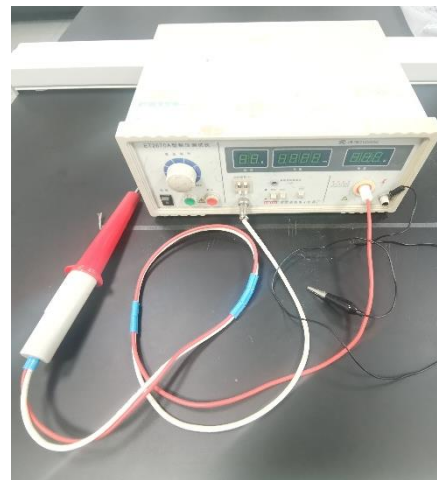


High-Low Temp Test

# Laboratory details



Plastic Density Test



Withstand Voltage Test



Flammability Test



Fluorescence Spectrometer

# Certification



E 359184



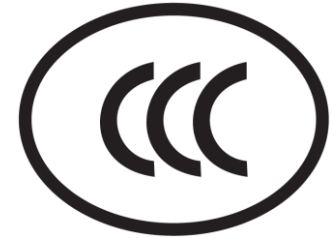
Type Approved  
Safety  
Regular Production  
Surveillance



www.tuv.com  
ID 1419035760



APPAREILLAGE ÉLECTRIQUE  
DOMESTIQUE  
1751AP



Production Inspected



RoHS

PAHS  
Reach

UK  
CA

EAC



**CHS**<sup>®</sup>  
**长虹塑料**

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THANKS  
FOR  
WATCHING!

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