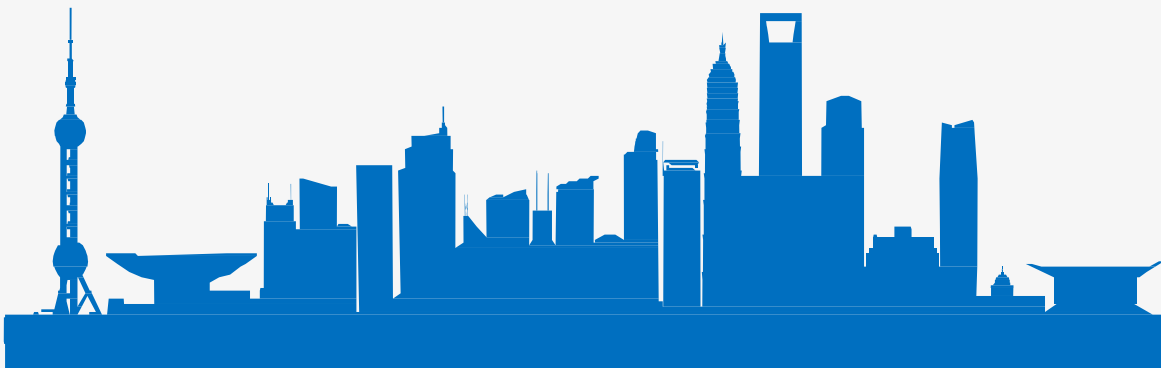




Sun Synergy Technology Co., Ltd.



Directory Contents



COMPANY



PRODUCT



TECHNICAL
&TEST



CUSTOMER



COMPANY

Company Introduction

- Founded : December 1992
- Location : Volkswagen Industrial Park, Anting Town, Shanghai
- Product : Integrated Cable Solution Provider
- Quality System : E248651 E316348 E318089 ISO9001 ISO14001 IATF16949 ISO13485
- Subsidiary : SuBei (2012) Taipei (2012)
- Employees : 650



E248651



E316348



ISO14001



ISO9001



IATF16949



ISO13485

Sun Synergy Technology
Co., Ltd.
development history

Shanghai Yingyu was founded
and located in the Shanghai
Volkswagen Industrial Park

In
November,
1992

Yingyu 2nd plant was founded,
and is located in Jiangsu
Province Sihong Economic
Development Zone

In April,
2013

Taiwan Factory was
founded and located in
New Taipei City, Taiwan

August
2020

In August,
2012

Kunshan Hanjiang(raw cable
manufacturing) was founded,
located in Kunshan Dianshan
Lake

In August,
2013

Taiwan office was
founded, located in New
Taipei City, Taiwan

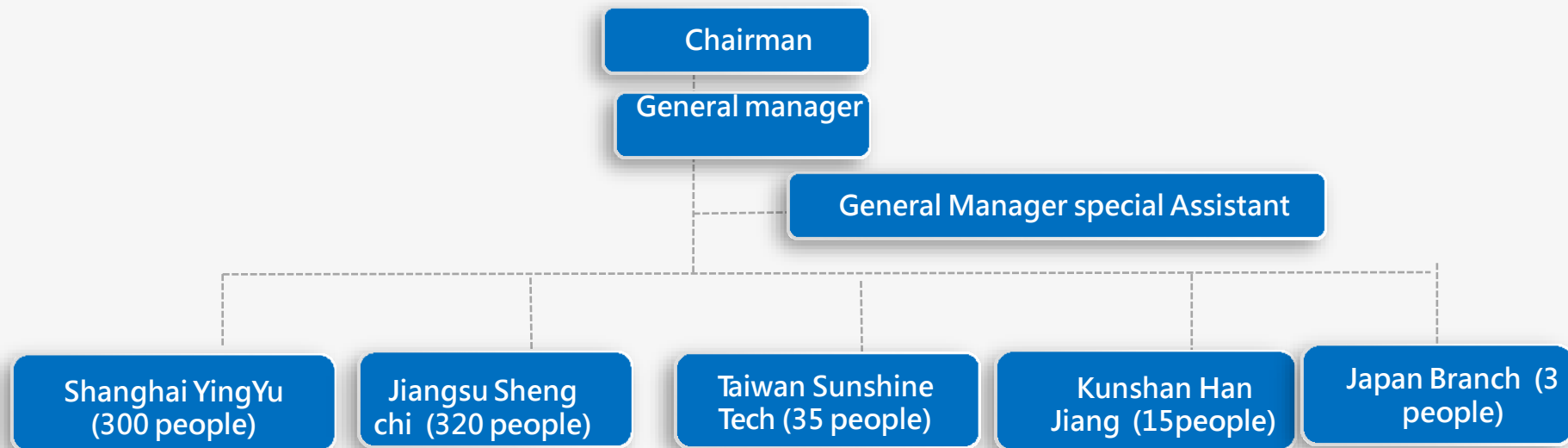
In
January,
2021

Japan branch office in
Nagoya, Japan

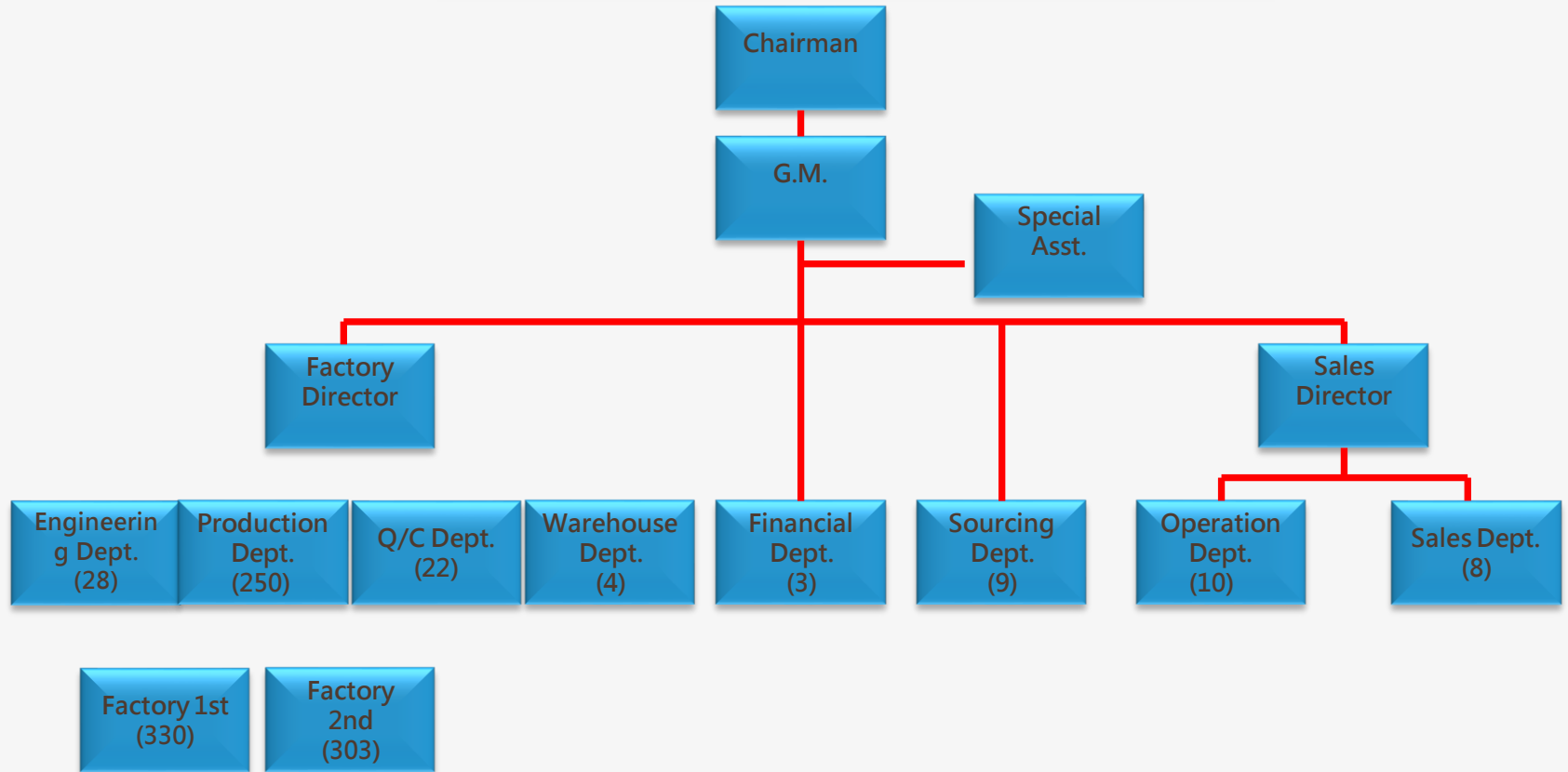
Factory photo



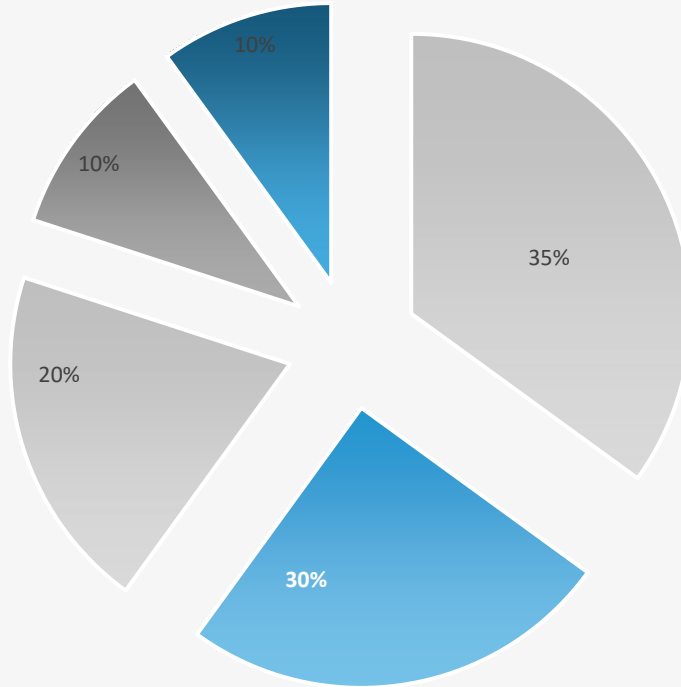
Company architecture



ORGANIZATION STRUCTURE



Sales ratio by category



Category of the product

- New Energy(E-bike & Battery) 35%
- Industrial Control 25%
- Automotive 20%
- Consumer 10%
- Medical 10%



PRODUCT

Industrial control

Medical devices

New energy

Automobile and motor vehicles

Consumer

Harness For Automotive



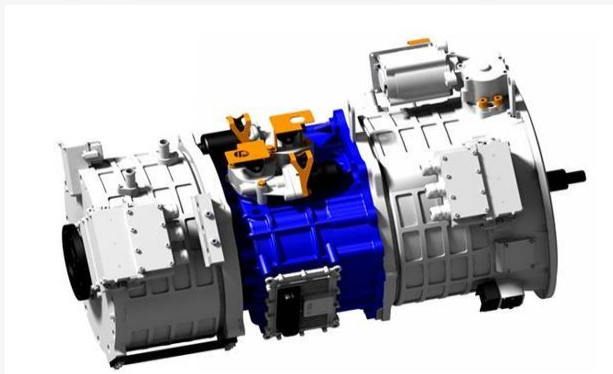
Automotive CCU Cable



Powertrain Cable



Controller Cable



Controller Cable



ECU

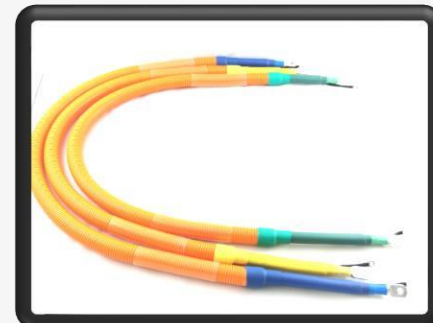
High Voltage Harness For Motor/BATTERY



DC bus Cable



DC bus Cable



High Voltage Cable



Three-phase High Voltage Cable



Power Distributing Box Harness



Power Distributing
box HV Harness



Power Distributing
box HV Harness



Power Distributing
box LV Harness



Power Distributing
box LV Harness

Cable for Construction Machinery truck



Horn cable



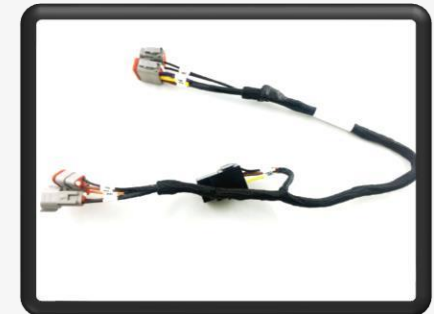
DPS Cable



Power Cable



Excavator Cable



Horn cable

NEW ENERGY/ELECTRIC BIKE



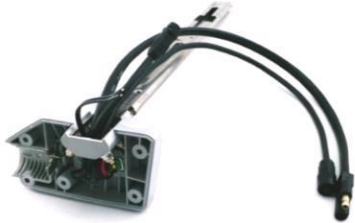
Lithium Battery Harness



Battery Cable with NTC



High Voltage Cable



E-Bike Cable Assembly



Smart Battery Docking
Station



Robotic Caddy

New Energy/ELECTRIC BIKE

E-Bike Project



E-bike Cable



USB DC-DC charger



E-bike Battery Docking Station

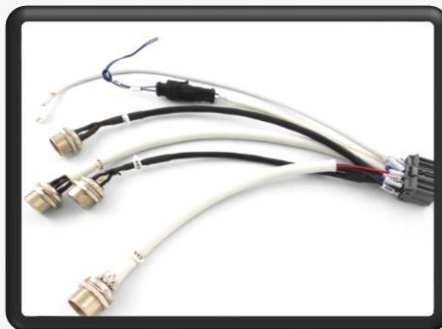


E-bike Kit

AUTOMOTIVE



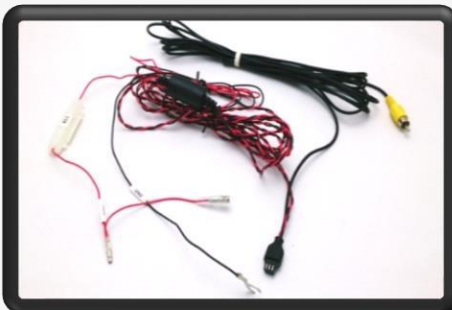
Backup Camera



BMS Cable



Automotive CCU Cable



Back Camera



OBD II Cable

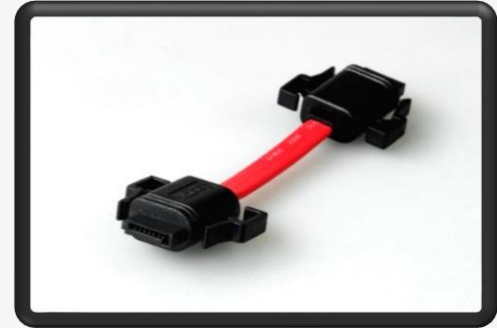
INDUSTRIAL CONTROL



FLAT Cable



SATA 7+15Pin to 7Pin



SATA 7Pin Cable



Industrial Control Cable



SATA Extended Cable

INDUSTRIAL Robot



Robot Cable



RJ45 LAN Cable



Auto vending Cable



Robot Cable



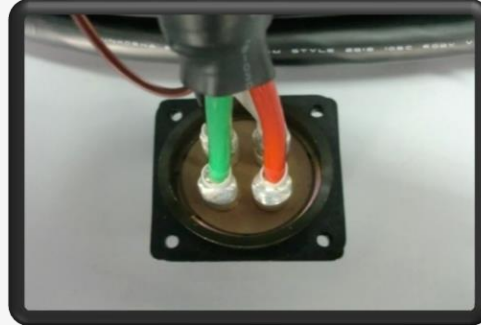
Yamaha
SCARA and dual Axis Robot Cable



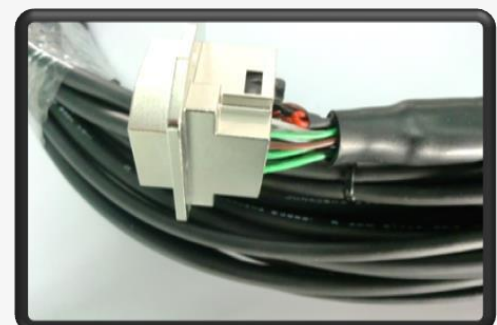
INDUSTRIAL Robot II



Robot Cable +
Connector



Robot Cable



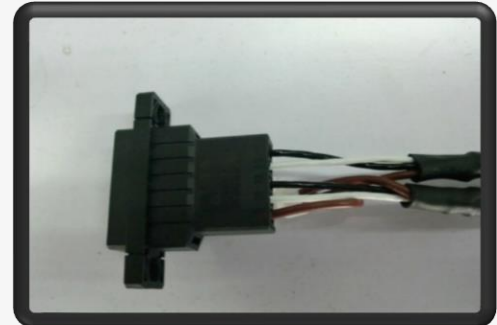
Robot Arm Cable



Waterproof D-Coding



HD SATA within PCB



Wire Harness for Robot

Medical devices



**Medical platform
car harness**



**Medical oximeter
harness**



**Wearable medical
device cable**



**Automobile and motor
vehicles**



**Canon 4-d color
ultrasound**



ECG cable



**Medical
communication cable**



Endoscope cable

Consumer



gaming mouse



**USB Type-C
harness**



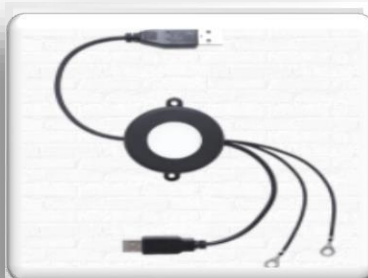
**Headphone
cable**



**Audio and video
control harness**



DVI



**Smart Home USB
wiring harness**



**Laptop battery wiring
harness**



**PS4 / PS5 game console
series wiring harness**



TECHNICAL & TEST

A large, shiny gold trophy cup with two handles, standing on a tiered base. The trophy is highly reflective, showing bright highlights and shadows that emphasize its metallic texture. It is positioned centrally at the bottom of the page, below the list of names.

ISO 9001



ISO 13485



IATF 16949



Technical patent

Patent for Automotive Wire Harness Labeling Equipment



Patent for Wire Harness Connector Insertion Auxiliary Fixture



Patent for Wire Harness Bending Device



Patent for Automotive Wire Harness e-bike Throttle Blade Male Connector



Innovation arises from demand. Yinyu adheres to the production philosophy of saving production costs for customers and improving production efficiency. We design production solutions tailored to customer needs. Up to now, Yinyu has obtained twenty independent innovation patents in the field of online harnesses, producing a large number of high-quality harness products.

Wire Harness Technical Content

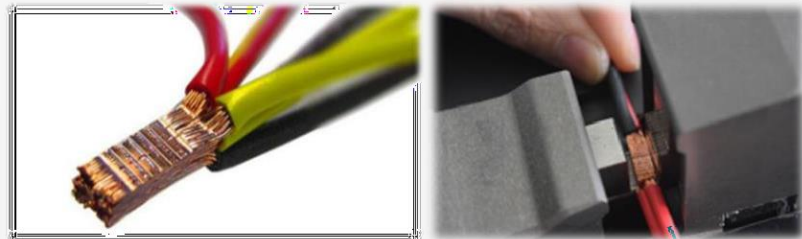
In order to optimize the products, SH YingYu will introduce ultrasonic welding process

Equipment composition



Control cabinet

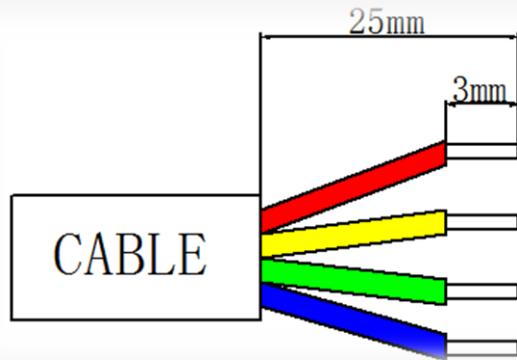
Mold shelf



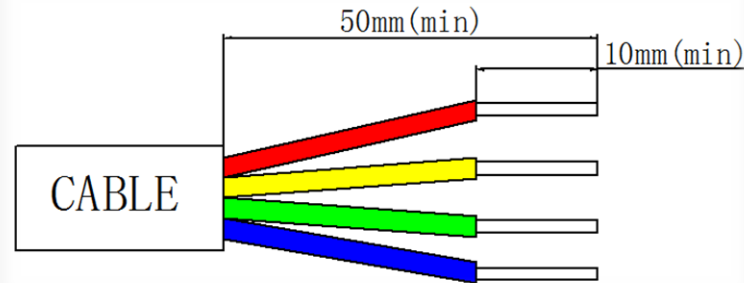
Welding products

Process requirements

1. The wire conductor needs to be changed to bare copper
2. The shape size of the molding mould needs to be increased
3. Ultrasonic soldering because of equipment and fixture reasons, outer peeling size needs to be lengthened, from 25mm added to 50mm (as below pic) .



Hand soldering



Ultrasonic soldering

Features and advantages

01

The welding material does not get molten and thus the joint is stronger

02

Good electric conductivity and low resistivity after welding

03

Short welding time, do not need any flux, solder, etc

04

Welding without spark, environmental protection and safety



Taping Capabilities



Nylon weaving video



Automatic tape winding equipment

Lab equipment



Humidity Chamber

- Humidity Chamber
- Used for testing the properties of materials in various environments and testing the heat, cold, dry and moisture resistance of all kinds of materials.
- Temperature range :
-40°C-150°C
- Internal Volume:
1000*1000*1000mm



Climatic chamber

- Climatic chamber
- Used for testing wires & cables to compare the tensile strength before and after aging, meet the test requirements of UL-1581
- Maximum temperature :
300°C
- Internal Volume : 150L



Lab equipment



Salt Spray Tester

- Salt Spray Tester
- Used to test the corrosion resistance reliability of metal materials and coating.



Crimp Cross Section Analyzer

- Crimp Cross Section Analyzer
- The software can automatically determine whether the terminal crimping is qualified
- Wire range: 0.1MM²-150MM²

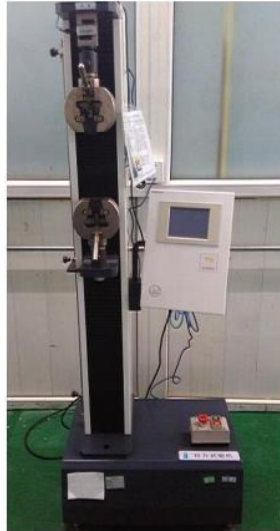


Lab equipment

上海恒裕电子有限公司
Shanghai Ying Yu Electronic Co., Ltd

Pulling Test Machine

- Pulling Test Machine
- Used for wire & terminal & plastic material tensile test, etc.
- Maximum range : 500KG



上海恒裕电子有限公司
Shanghai Ying Yu Electronic Co., Ltd

Temperature rise test

- Temperature Rise test
- To make sure that the cables and connectors do not go over heat and measure the current variation under different temperature
- Output voltage :24V
- Output current : 1000A



Lab equipment



Voltage tester

- Voltage tester
- Used to check whether the wire and terminal crimping is qualified
- Output current : 200A



Hi-pot Tester

- Hi-pot Tester
- Used to test the voltage resistance and insulation performance of wire
- Output voltage : AC 5KV
DC 6KV



Lab equipment



Vehicle harness test platform

Vehicle harness test platform

Used to detect the conduction in the wire harness



Spectrograph

Spectrograph

- Used to test whether the material meets ROHS requirements and the thickness of the metal coating.



Lab equipment

上海恒裕电子有限公司
Shanghai Ying Yu Electronic Co., Ltd

Bending tester

- Bending tester
- Used to test the bending life of wire.



上海恒裕电子有限公司
Shanghai Ying Yu Electronic Co., Ltd

Image Dimension measurement

- Image Dimension measurement
- Used to measure the size and magnification of parts



Lab equipment



Vibration tester

- Vibration tester
- Used to detect the damage caused by the uncertain factors such as severe bumping and dropping .



High frequency tester

- High frequency tester
- Used for measuring wire transmission
- Test capability :
SATA 、 USB2.0/3.0 、
LVDS cable



Lab equipment

上海楹格电子有限公司
Shanghai Ying Yu Electronic Co., Ltd



X-ray

■ X-ray

- A non-destructive inspection on solder joints of cable and/or connectors





CUSTOMER

Our partners





Thank You