

# RENHOTECH GROUP

## COMPANY INTRODUCTION

Making Every Connection Count. Especially The One We Make With You



# CONTENTS

---

**Chapter 1**

Company Profile

**Chapter 2**

Products Range

**Chapter 3**

Production & Inspection

**Chapter 4**

Projects

**Chapter 5**

Partnership



01

# Company Profile

✂ About Us

✂ Corporate Structure

✂ Company Enviroment

✂ Corperate Culture



## RENHOTEC GROUP

**RENHOTEC** is engaged in the R&D, manufacturing and distribution of industrial connectors and cables.

We located in Dongguan City, in the southern China, with efficient modern machinery and equipments for tooling & prototyping, cable cutting, soldering, crimping, plastic injection molding, testing and manual assembly lines.

With the strong support of national policies, Renhotec is committed to building a superior brand through quality and technology. quality, enterprising determination and courage!



13 years  
Experienc



Experienced  
Engineers



Professional  
Sale team



We Acquired **ISO9001**, **ISO14001**, **QC080000** and **TS16949** international quality, environment and management systems certification. All items are in line with EU **ROHS** and **REACH** environmental requirements.

As the top manufacturer and supplier of electronic connectors in China, we highly regard our products quality to ensure your 100% satisfaction. We believe our company can definitely provide more value to our customer.

## RENHOTEC GROUP



**Renhotec(Shenzhen)  
Technology Ltd.,**

Located in Songgang Dist. of Shenzhen, factory of automatic lathe and CNC lathe manufacturing since 2015.



**Renhotec(Wuhan)  
Technology Ltd.,**

Located in Wuhan City, responsible for sales and marketing of Renhotec since 2015



**Dongguan Dosin Hardware  
Electronics Co., Ltd.**

Located in Humen Town, Dongguan, factory of mold design and manufacturing, Die-cast manufacturing, assemblies since 2005.

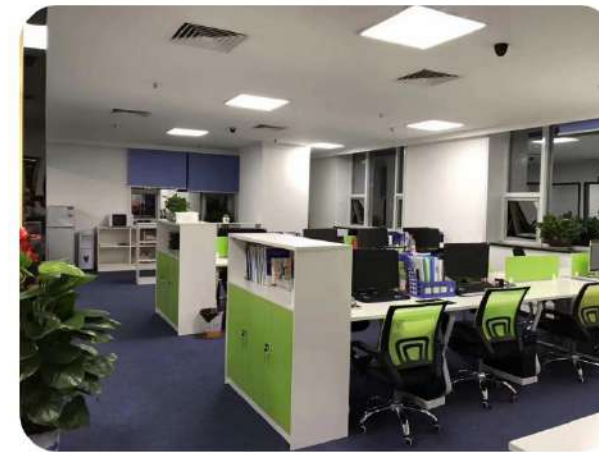
## Environment



Workshop



Company



Sales Office



Quality  
Policy

Customer  
Focus  
Strategy

Cost  
Efficiency &  
Rapid  
Response

## Our mission

To achieve RENHOTEC's long term success and development through continuously providing customers with satisfied products and services, and always gratefully reward the efforts and contribution made to RENHOTEC by our staffs, suppliers and the relative parties.



# Sales Team







02

# Products Range

✧ Main Products

✧ Products Introduction



## M Series



## GX Series



## MIL Series



## RF Series



### M Series:

M5,M8,M9,M12,M16,M23

Series Connectors and  
Cables

### GX Series :

GX12,GX16,GX20,GX25,G

X30,GX40 Series  
Connectors and Cables

### MIL Connector:

MS5015,Y2M, FQ, XK,

P20/P28/P32, D38999 and  
others

### RF Series:

BNC,F, TNC,N, UHF,  
SMA,MCX,MMCX,DIN and  
so on

## M Series: Field Installable Cable Connector-Metal Type



**Series:** M8/M12

**Gender:** Male/Female

**Number of Contacts:** 3Pin /4 Pin /5Pin/6Pin /8Pin/12Pin

**Coding:** A/B/D Code

**Termination:** Screw-joint

**Cable Length:** Base on customer request

### Electrical & Mechanical data

Connection Type	Field wireable
Orientation	Straight/Right Angle
Insert/ Housing	NYLON66 + GF
Rated current	4A : 3/4/5PIN 2A : 8PIN 1.5A: 12PIN
Rated voltage	250V : 3/4/5PIN 60V: 8PIN 30V: 12PIN
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Metal
Ambient temperature	-25°C ~ + 85°C
Insulation resistance	≥100 MΩ
Contacts resistance	≤ 5 mΩ
IP rating	IP67



## M Series: Field Installable Cable Connector-Plastic Type

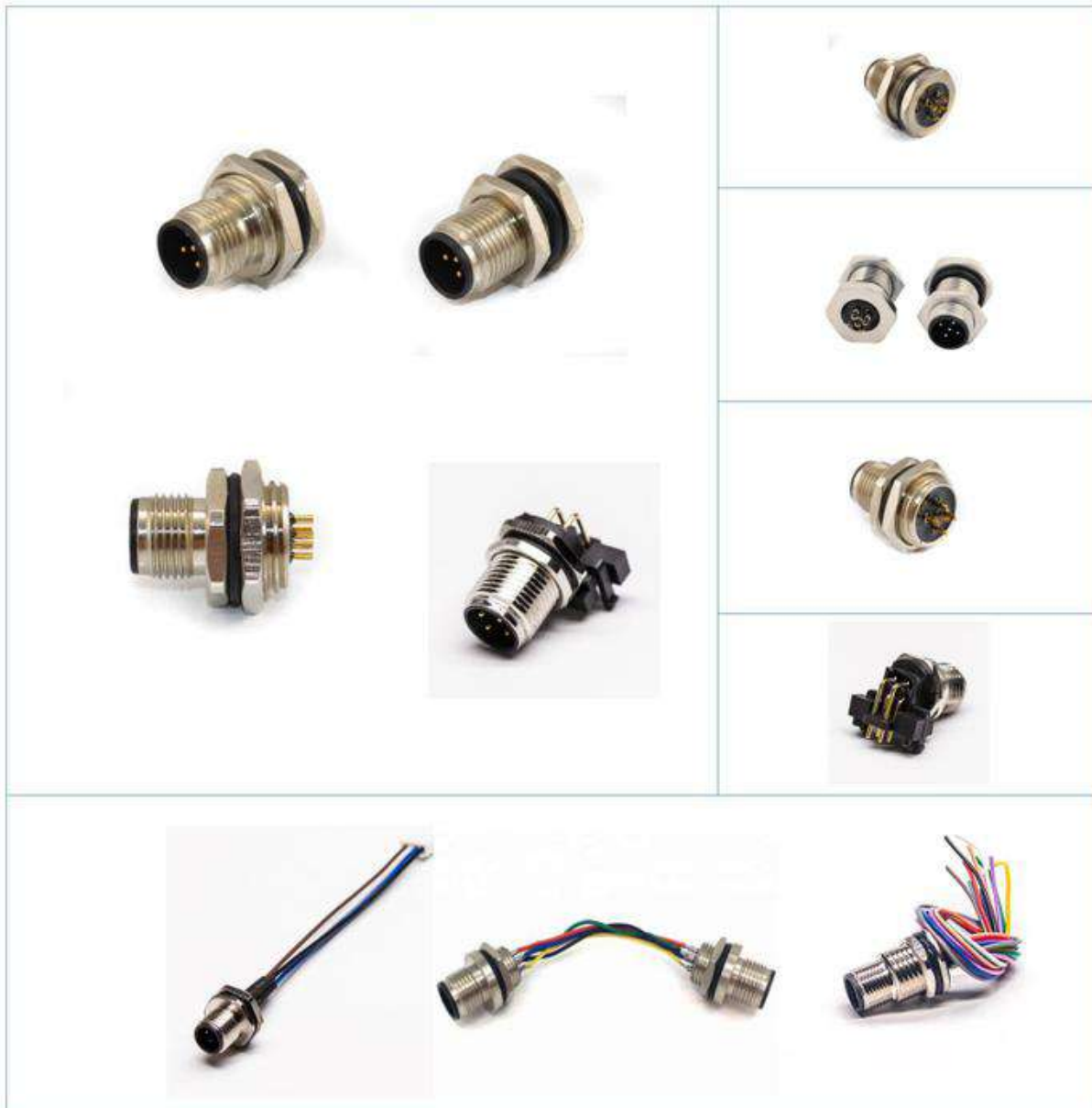
**Series:** M8/M12  
**Gender:** Male/Female  
**Number of Contacts:** 3Pin /4 Pin /5Pin/6Pin /8Pin/12Pin  
**Coding:** A/B/D Code  
**Termination:** Screw-joint  
**Cable Length:** Base on customer request

### Electrical & Mechanical data

Connection Type	Field wireable
Orientation	Straight/Right Angle
Insert/ Housing	NYLON66 + GF
Rated current	4A : 3/4/5PIN 2A : 8PIN 1.5A: 12PIN
Rated voltage	250V : 3/4/5PIN 60V: 8PIN 30V: 12PIN
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Plastic
Ambient temperature	-25°C ~ + 85°C
Insulation resistance	≥100 MΩ
Contacts resistance	≤ 5 mΩ
IP rating	IP67



## M Series: Panel Mount Receptacle-Male



**Series:** M12/M8/M5

**Gender:** Male

**Number of Contacts:** 3Pin /4 Pin /5Pin /6Pin/8Pin/12Pin

**Coding:** A/B/D Code

**Termination:** PCB/Soldering

**Cable Length:** Base on customer request

### Electrical & Mechanical data

Connection Type	Front Mount/Back Mount
Orientation	Straight/Right Angle
Insert/ Housing	NYLON66 + GF
Rated current	4A : 3/4/5PIN 2A : 8PIN 1.5A: 12PIN
Rated voltage	250V : 3/4/5PIN 60V: 8PIN 30V: 12PIN
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Metal
Ambient temperature	-25°C ~ + 85°C
Insulation resistance	≥100 MΩ
Contacts resistance	≤ 5 mΩ
IP rating	IP67

## M Series: Panel Mount Receptacle-Female



**Series:**M12/M8/M5

**Gender:** Female

**Number of Contacts:** 3Pin /4 Pin /5Pin /6Pin/8Pin/12Pin

**Coding:** A/B/D Code

**Termination:** Screw-joint

**Cable Length:** Base on customer request

### Electrical & Mechanical data

Connection Type	Front Mount/Back Mount
Orientation	Straight/Right Angle
Insert/ Housing	NYLON66 + GF
Rated current	4A : 3/4/5PIN 2A : 8PIN 1.5A: 12PIN
Rated voltage	250V : 3/4/5PIN 60V: 8PIN 30V: 12PIN
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Metal
Ambient temperature	-25°C ~ + 85°C
Insulation resistance	≥100 MΩ
Contacts resistance	≤ 5 mΩ
IP rating	IP67



## M Series: Overmold Cable



**Series:** M12/M8/M5  
**Gender:** Male/Female  
**Number of Contacts:** 3Pin /4 Pin /5Pin /6Pin/8Pin/12Pin  
**Coding:** A/B/D Code  
**Termination:** Soldering  
**Cable Length:** Base on customer request

### Electrical & Mechanical data

Connection Type	Single ended cable/Double ended cable
Orientation	Straight/Right Angle
Insert/ Housing	NYLON66 + GF
Rated current	4A : 3/4/5PIN 2A : 8PIN 1.5A: 12PIN
Rated voltage	250V : 3/4/5PIN 60V: 8PIN 30V: 12PIN
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Plastic
Ambient temperature	-25°C ~ + 85°C
Insulation resistance	≥100 MΩ
Contacts resistance	≤ 5 mΩ
IP rating	IP67

## M Series: Adapter/Splitter



**Series:** M12/M8

**Gender:** Male to 2\*Female

**Number of Contacts:** 3Pin /4 Pin /5Pin /6Pin/8Pin/12Pin

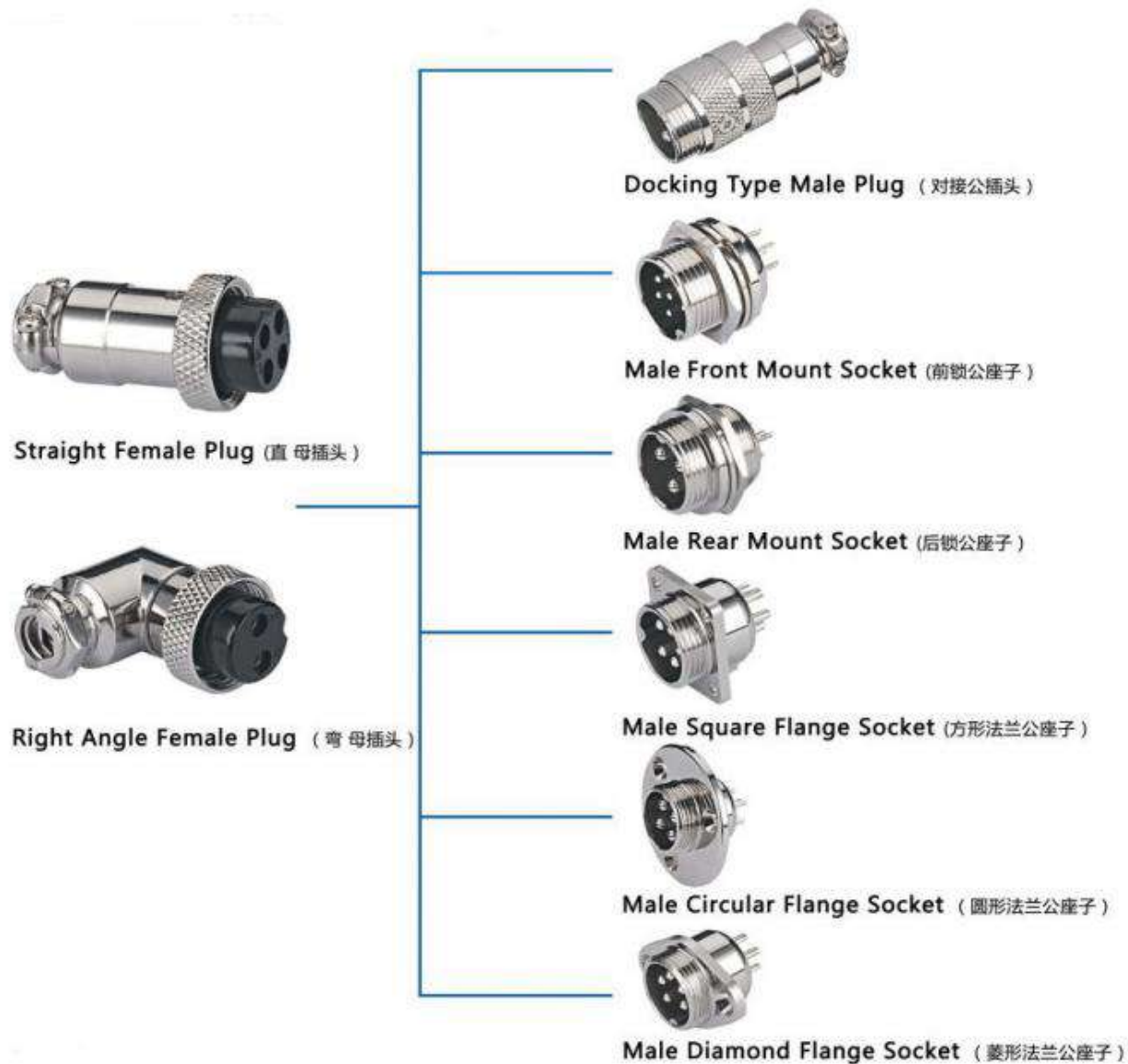
**Coding:** A/B/D Code

**Termination:** Soldering

### Electrical & Mechanical data

Connection Type	Splitter adapter
Orientation	T Type/Y Type
Insert/ Housing	NYLON66 + GF
Rated current	4A : 3/4/5PIN 2A : 8PIN 1.5A: 12PIN
Rated voltage	250V : 3/4/5PIN 60V: 8PIN 30V: 12PIN
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Plastic
Ambient temperature	-25°C ~ + 85°C
Insulation resistance	≥100 MΩ
Contacts resistance	≤ 5 mΩ
IP rating	IP67

# GX Series Plug & Socket



**Series:** GX12/GX16/GX20/GX25/GX30/GX40

**Gender:** Male/Female

**Number of Contacts:** 2Pin/3Pin /4 Pin /5Pin /6Pin/7Pin/8Pin/9Pin/10Pin/11Pin/12Pin/13Pin/14Pin/15Pin...

**Termination:** Soldering

## Electrical & Mechanical data

Connection Type	Cable Plug/Panel Mount
Orientation	Straight/Right Angle
Insert Material	Bakelite
Rated current	10A-250V: 2Pin 7A-250V: 3Pin/4Pin 7A-150V: 5Pin 5A-150V:6-15Pin
Rated voltage	250V: 2-4Pin 200V: 5-15Pin
Connector contacts	Brass with gold plated
Coupling nut/screw	Brass with nickel plated screw
Shell material	Zinc Alloy with nickle plated
Ambient temperature	-20°C ~ + 85°C
Insulation resistance	1500 MΩ、1000MΩ
Contacts resistance	3MΩ
IP rating	IP67



# MIL Series Connectors



MS5015 Series



YD Series



Y5 Series



FQ Series



P Series



XK Series

**Types:** BNC/TNC/F/N/SMA/SMB/MCX/UHF/DIN7/16.....  
**Gender:** Male/Female  
**Termination:** Soldering/Clamp/Crimp/Compression/Twist on PCB Mount

## Electrical & Mechanical data

Connection Type	Plug/Socket
Orientation	Straight/Right Angle
Temperature range	-65°C ~ + 155°C
Impedance	50Ω/75Ω
Frequency range	depends on different types
Connnetor contact	Brass with gold plated
Body material	Zinc Alloy with nickle plated Brass with gold plated





03

# Production & Inspection

- ✧ Production Process
- ✧ Workshop Display
- ✧ Test and Inspection Equipment
- ✧ OEM & ODM Service





## Stamping Workshop

---

Insert Metal Plate between the top and bottom mold, and then apply pressure to cut the plate.

Ideal for mass production as high production capacity with only one die mold.

**Production Parts:** Contact Pin / Iron Stand / some small accessories for electrical connectors.

## Moulding Workshop

---

Forcing the molten metal under high pressure into a mold cavity. In Renhotec, this workshop is main for die casting moulding to make Zinc Alloy parts.

The advantages is good surface finish and dimensional consistency. And production capacity limited by quantity of metal dies made for production.

**Production Parts:** Metal body (Zinc Alloy)





## Injection Moulding Workshop

Injection moulding requires to transfer the polymeric material in powder or granule form from a feed hopper to a heated barrel. And then the plastic melted and injected into a mould.

This process is automated, so the production capacity is high.

**Production Parts:** Plastic part, include plastic case, caps and part of insulators for RF connectors.



## Lathe Turning

Lathe is used to remove unwanted material from a cylindrical workpieces by machine tool. In Renhotec, we used lathe to produce copper parts and insulators (like Teflon).

No mould required for this process. The production capacity limited by products' structure and quantity of machine.

**Production Parts:** Metal body and accessories made by copper, Insulators

[www.renhotecpro.com](http://www.renhotecpro.com) | [sale@renhotecpro.com](mailto:sale@renhotecpro.com)

# Production Process



## RF Connector Production Process

The main process to make the RF connector products contain 6 steps. Details as follow:

1

### Prepare Material

We Purchase Raw Material from reliable ventors and all matrial can meet the **ROHS** standard.

2

### Make Metal Parts

Make matal body and center contact by lathe, moulding and stamping process.

3

### Matel Plating

Metal body send for plating process for corrosion protection.

4

### Make Plastic Parts

Produce the Plastic Case and insulators for RF connectort by lathe or injection moulding.

5

### Assembly

Connector components will be assembled together tightly to ensure durability in using.

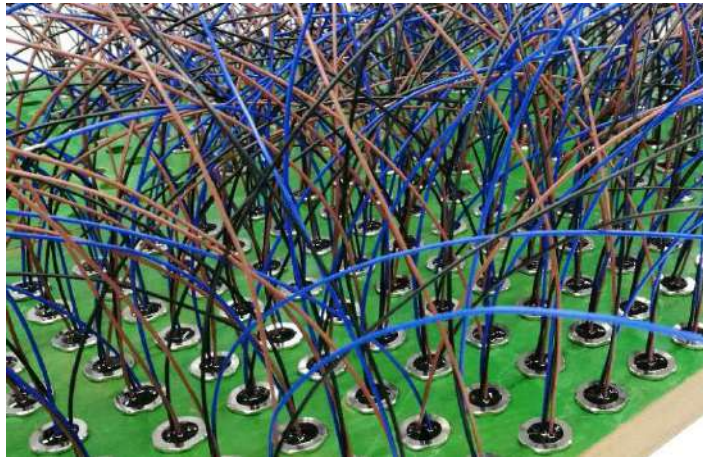
6

### Test & Inspection

Before package. We will test the performance of our products to ensure high quality.

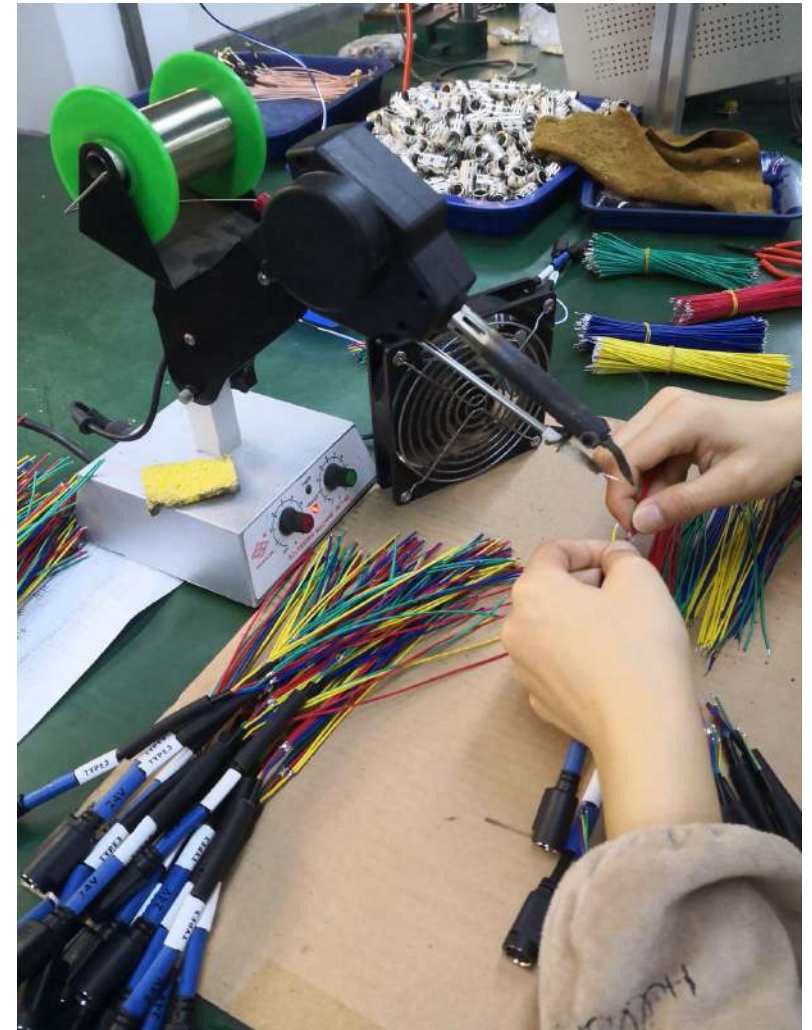
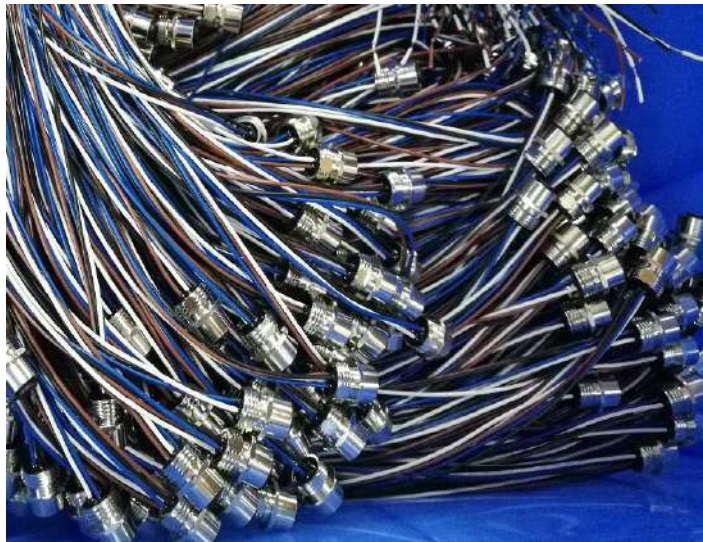


# Our Assembly Line



## Industrial Connector Assembly Line

- M Series Panel Mount
- GX Series Cable Assemblies





# Our Assembly Line



## RF Connector Assembly Line

- IPEX Assembly Machine
- Automatic Coaxial Cable Cutting and Stripping Machine





# Mechanical Property Test



## Automatic Insertion Force test Machine

To test the insertion and withdrawal force of connectors automatically, simulating the situation in real use and ensure the durability of our electrical connectors.

## Effect Factors

- Structure of contact Pin;
- Tolarate and Compatibility of male and female pin;
- Plating quality

**Notes:** Durability of Renhotec's electrical connectors can be improved based on your special requirements.

# Other Performance Inspection-VND

## S-parameter Vector Network Analyzer(VND)

The VNA characterizes high-frequency passive and active devices in their linear mode of operation by measuring their network parameters, called S-parameters, as a function of frequency.

It also measure noise parameters nonlinear characteristics, including compression, intermodulation, and hot S22 measurements.


In Renhotec, we inspect our RF Coaxial Connectors by VND to ensure high performance and stability in using.





04

# Projects

- ※ M12 Connectors and Cables
  - ※ M16 Cable Assemblies
  - ※ MS5015 Series
- 



01

## M12 Series





02

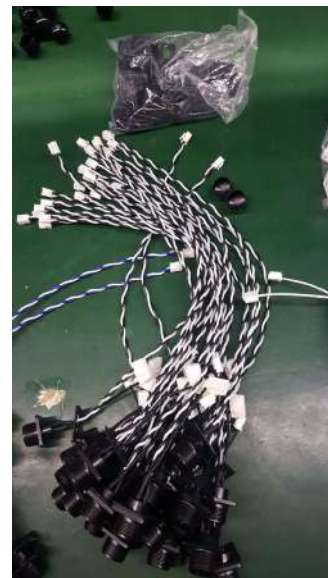
## M16 Cable Assemblies





03

## MS5015 Series





05

# Partnership

✧ Advantages

✧ Our Customers & Markets

✧ Contact Us





### Experienced Team

With **14 years' experience** in **RF Connector Industry**, our team is devoted to help you with any question and offer you professional suggestions.



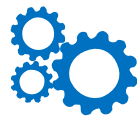
### Quality Insurance

**14 month quality assurance** and good quality which pass the **ISO 9001** standard. All products will be inspected before shipment to ensure your 100% satisfaction.



### OEM/ODM Available

Our great **technical team** is always ready to help you make **custom product**. Offer you the most workable suggestion for performance, material and production solution.



### Promote Delivery

DHL, Fedex, UPS, TNT, EMS are all available to ensure that you get our products in one week. Ocean shipping is also OK for bulk order with much lower cost.



### Small MOQ Acceptable

**Small quantity order** accepted to help you **reduce risk** and **test market quickly**. And we are so delighted to develop long-term commitment with your business together.



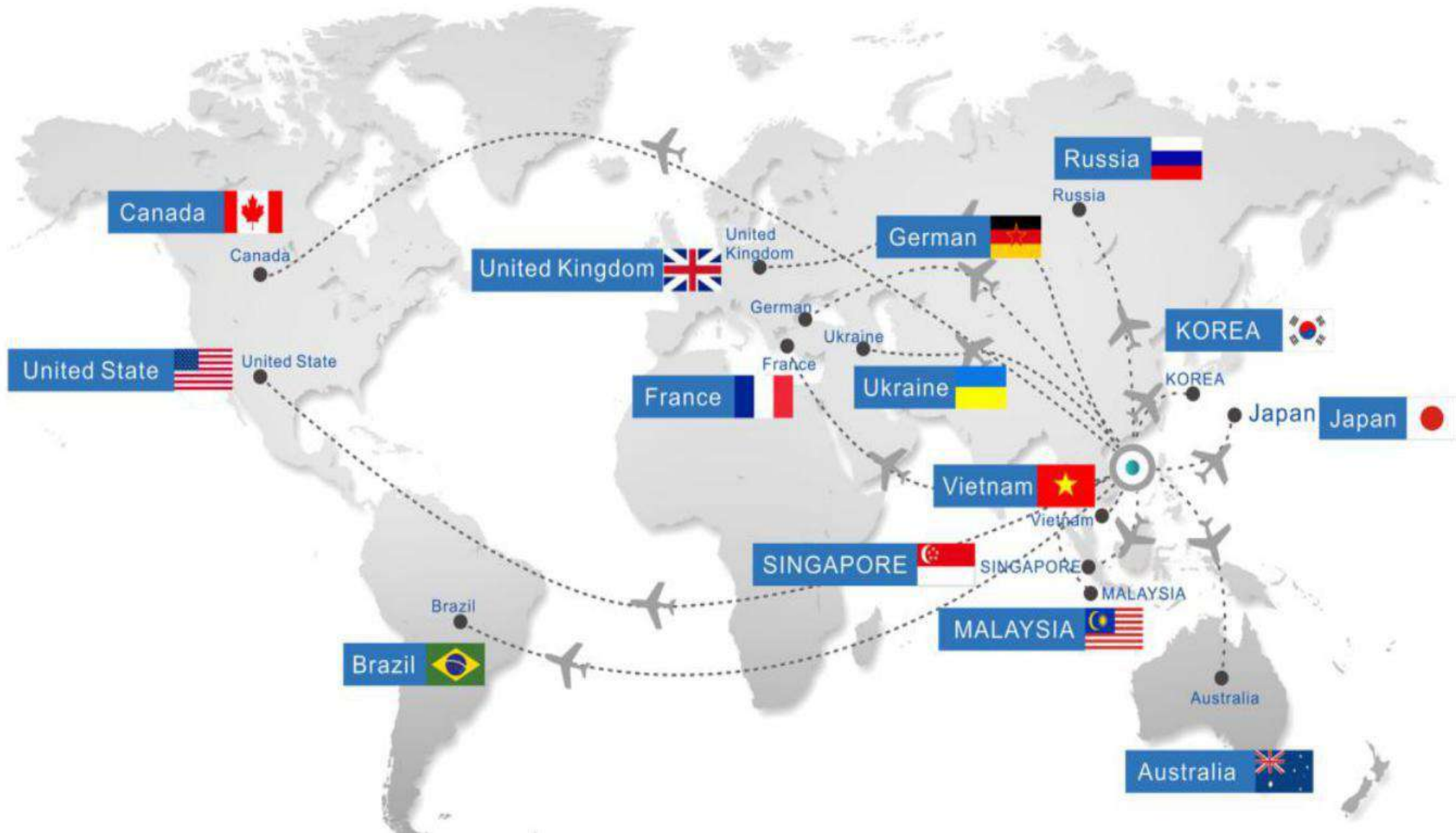
### Safety and Eco-friendly

All products are made according to the **ROHS** standard. We make sure all items sold globally would be **safe to your customer**.





# Our Sales Network



# Brand Trust Us

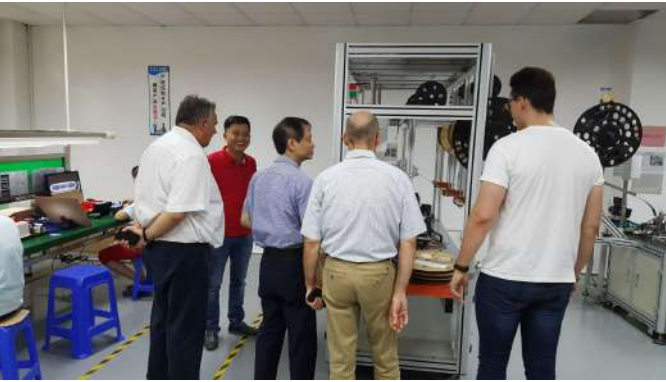
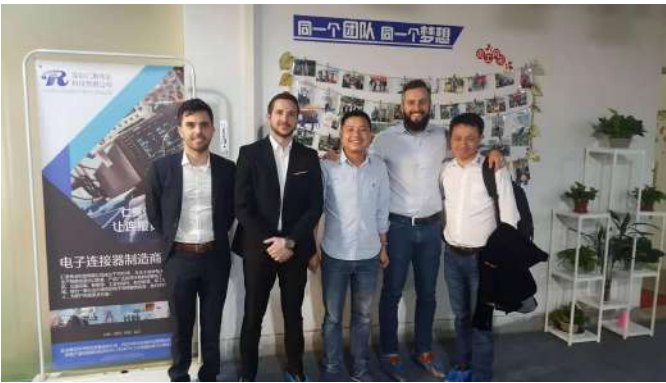
ZTE中兴



SONY  
VAIO



# Our Customer's Visit





# Our Happy Customers

Don't Just Take Our Words For it



 **Sam, India**

*Thank you for your Promot & Excellent Service. The connectors are quite good and well suited as per our requirements. I wish to have the same service and products in our feture endeavours.*



 **Mateusz Szymanski , Poland**

*Good communication, shipping according to schedule, products complementary with specification+free samples of cables. I'm happy with service and goods.*



 **Syed Karim, USA**

*They do look to be of very good quality. There may be another order in the near future.*



 **Adam, UK**

*The new BNC connectors work well in our product and have improved the operation. A very good quality thank you. Also the female-female adaptor works well.*

# Contact Us

## Headquarter

No 5, Xinyuan North Fifth Road, Ludong Village, Humen Town, Dongguan, 523939, Guangdong, China



[www.renhotecrf.com](http://www.renhotecrf.com)



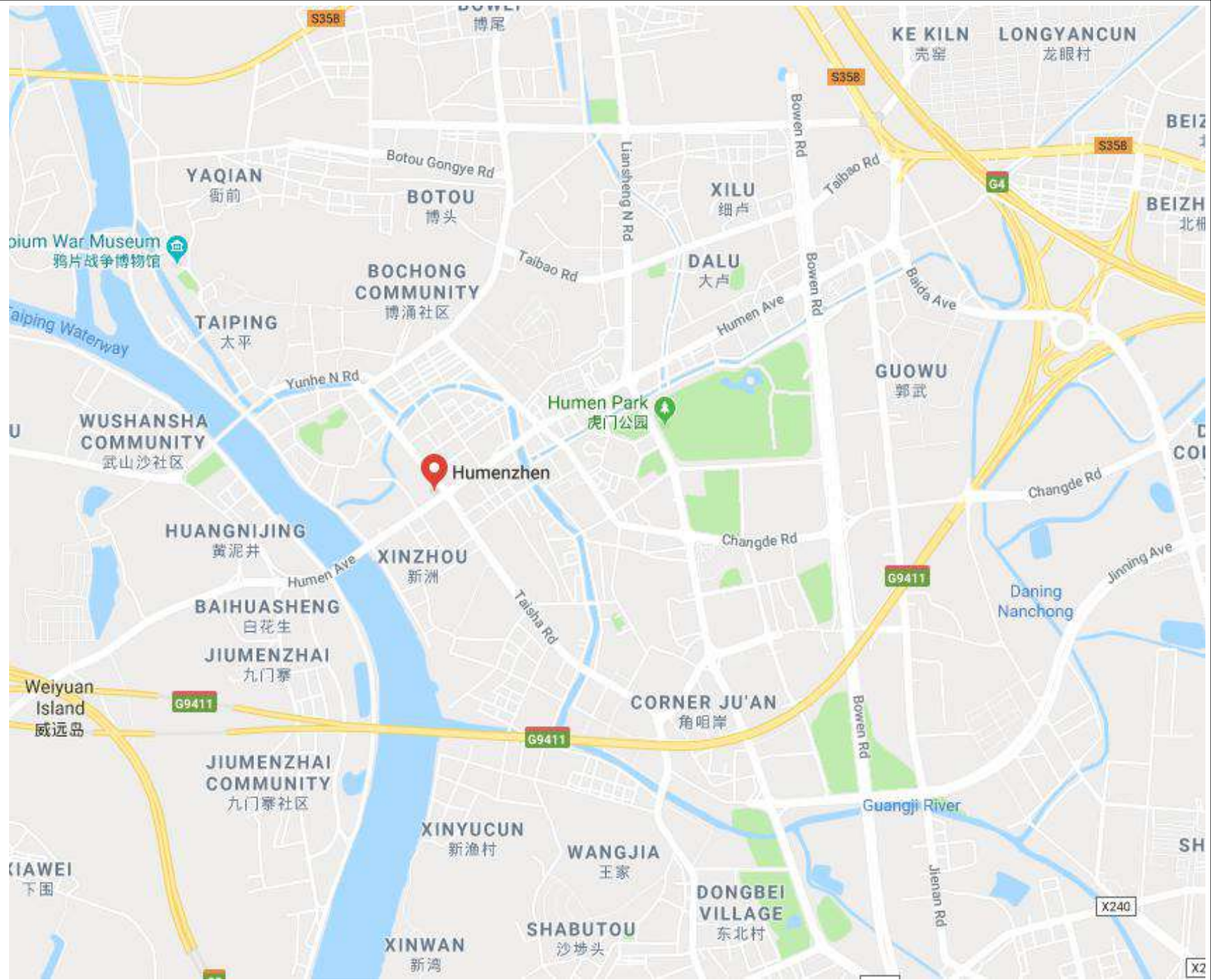
[sale@renhotec.com](mailto:sale@renhotec.com)



0086 769  
81100186



0086 769  
81875836





# THANKS

COMPANY INTRODUCTION

---

