

High end precision connectors and customer solution Service Provider



WCON ELECTRONICS(GUANGDONG) CO., LTD

Company Profile

2022 01



CATALOG

WCON ELECTRONICS
(GUANGDONG) CO., LTD



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TWO

▼ Manufacture Capability

THREE

▼ Application Industry
Product Display

FOUR

▼ The proportion of industry
Global Marketing



WCON ELECTRONICS (GUANGDONG) CO., LTD

SINCE 2002

National High-Tech Enterprise

National Famous-Brand Product of China Enterprise

Enterprise of Observing Contract and Valuing Credit

Wcon, founded in Nov 2002, is committed to provide a high end precision connectors and customer solution.

Wcon specializes in R&D, manufacturing and marketing of connector and cable assembly used in industrial, automobile electronics and industrial cable assembly. The application industry include industrial automation an control, Battery-Motor-Electric control system of new energy vehicles and photovoltaic inverter system.

Company acquired IATF16949, ISO-9001 and ISO14001 certification, and UL, CUL certification, EU RoHS and REACH for product.

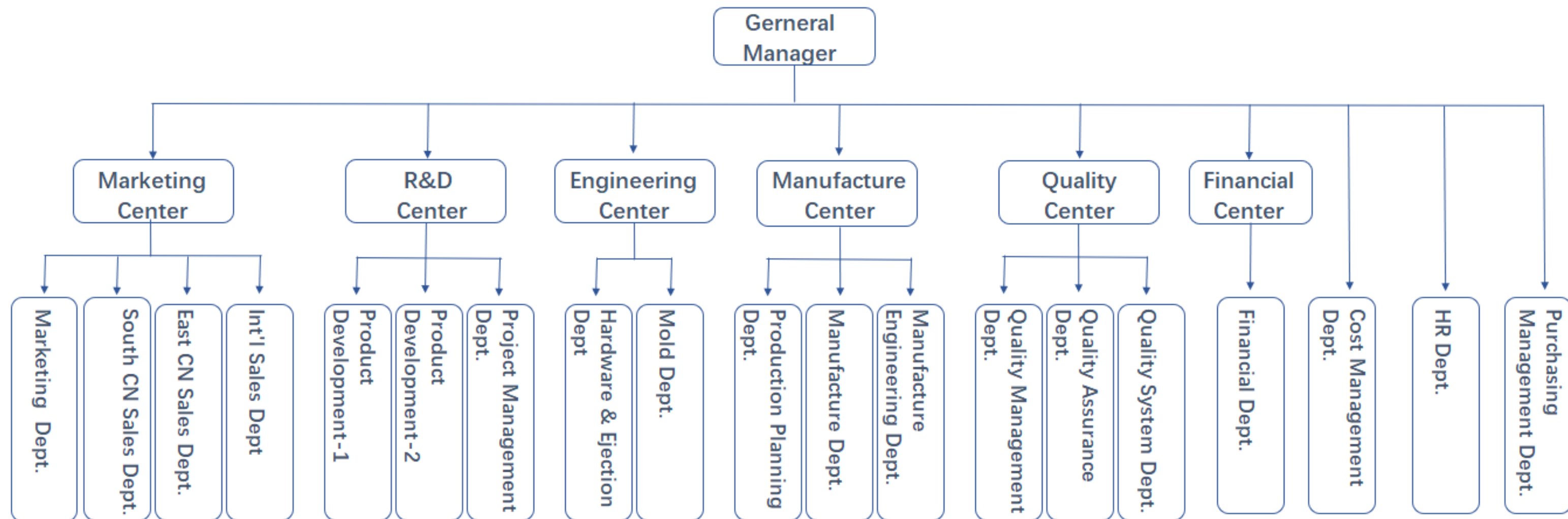


Organization Chart

High end precision connectors and customer solution Service Provider



Total: 1021
◆ Dongguan: 799
◆ Kunshan: 222



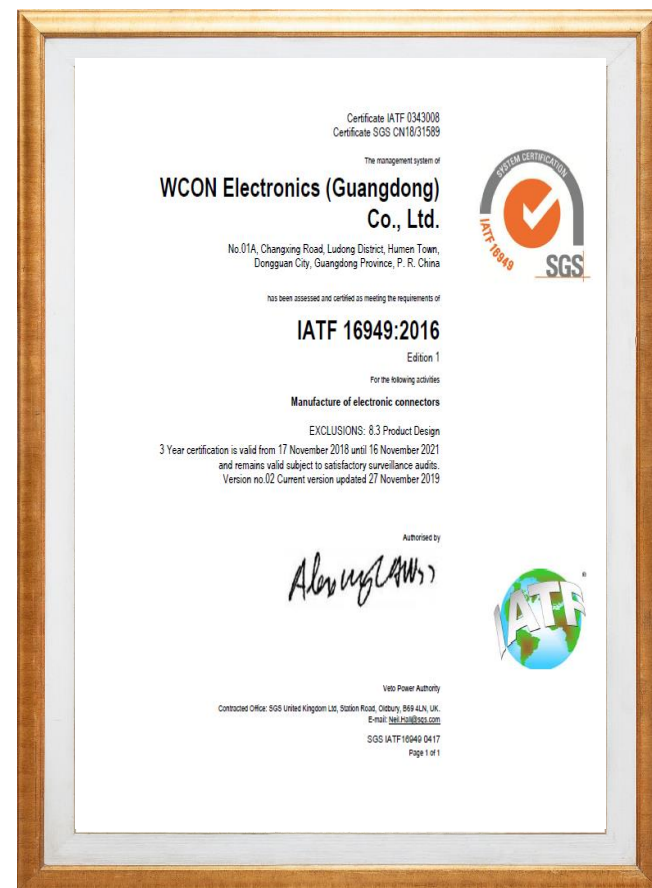


19 Years

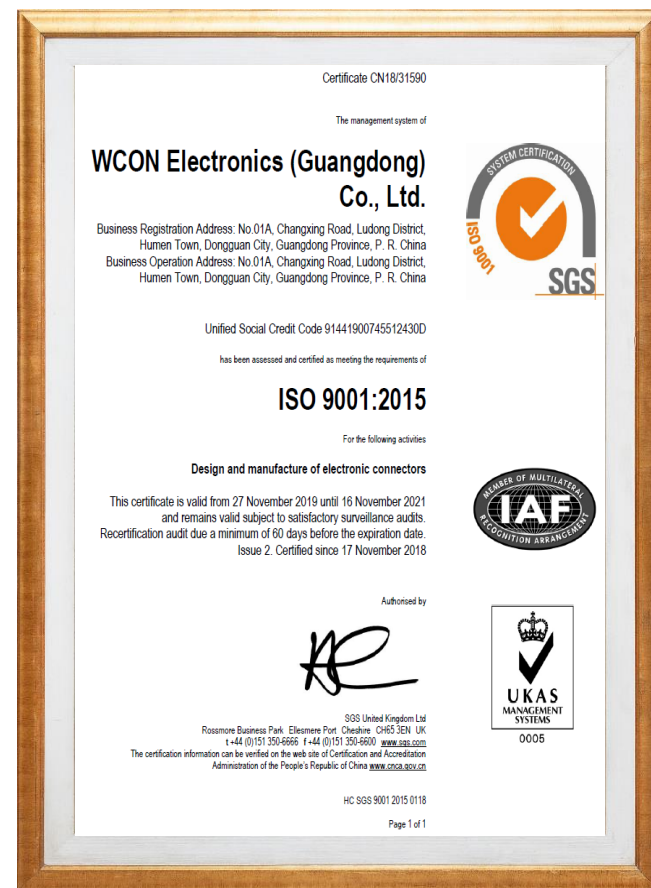
Till now, Wcon honors “National High-Tech Enterprise”, “Guangdong Famous-brand Enterprise of Product”, “Enterprise of Observing Contract and Valuing Credit in Dongguan” Wcon was selected as “pilot enterprise of Multiplication Plan in Dongguan in 2020”. Wcon has acquired IATF16949, ISO-9001 and ISO14001 certification. The company’s main products have obtained American UL & Canadian CUL certification. Most of items are in line with EU RoHS and REACH application requirements. The product were been using to end customer INOVANCE, BYD, SUNGROW, HONEYWELL, Aptive and others well-known domestic and foreign enterprises.



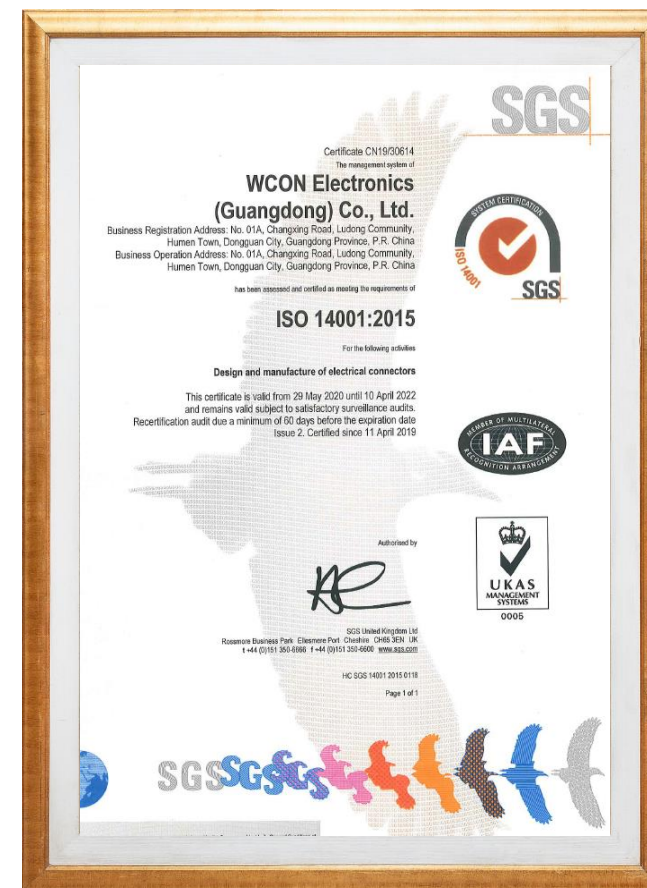
IATF 16949:2016



ISO9001:2015



ISO14001:2015



QC080000

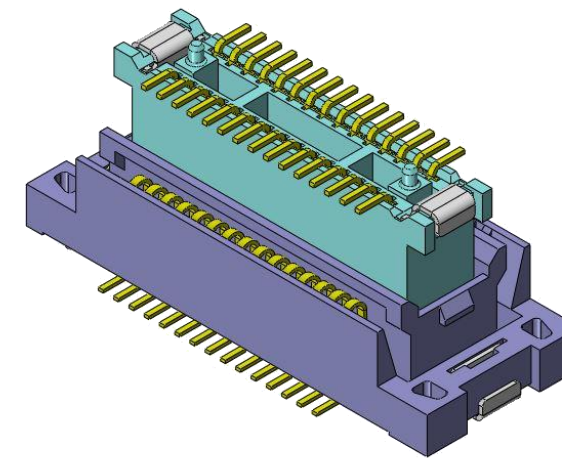


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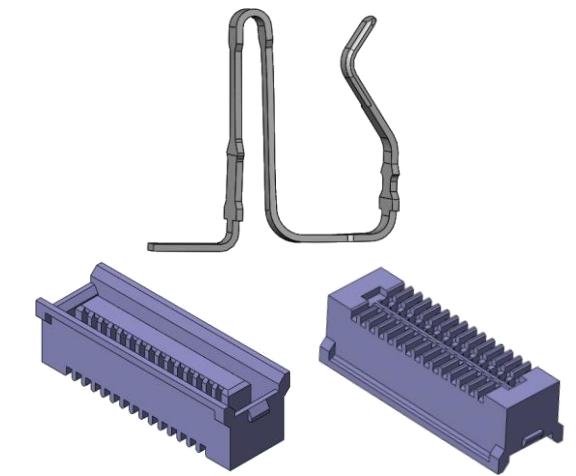




- Professional Design Team
 - Product Reach & Design: 10 Engineers
 - Project Development: 5 Engineers
 - Product Management: 12 Engineers
- Rigorous Design Process
- Scientific Simulation Analysis



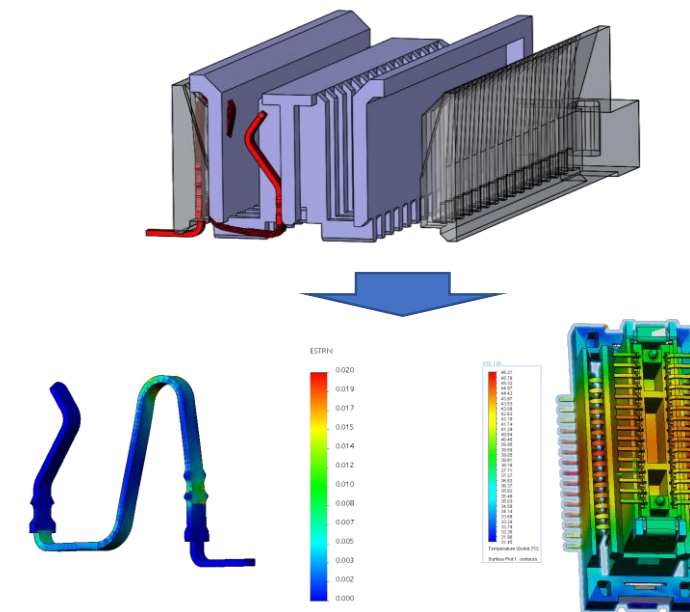
High Precision BTB Project Development



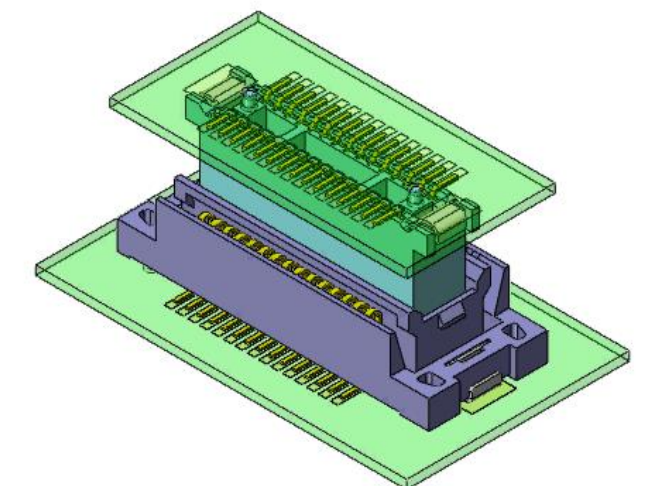
Rigorous Structure Analysis

Focus on core value at "Dedication, Exceed, Win-win"

Our mission: To make connection more smooth,
customers more satisfied.



Professional Simulation analysis of Mechanical stress and Temp rise



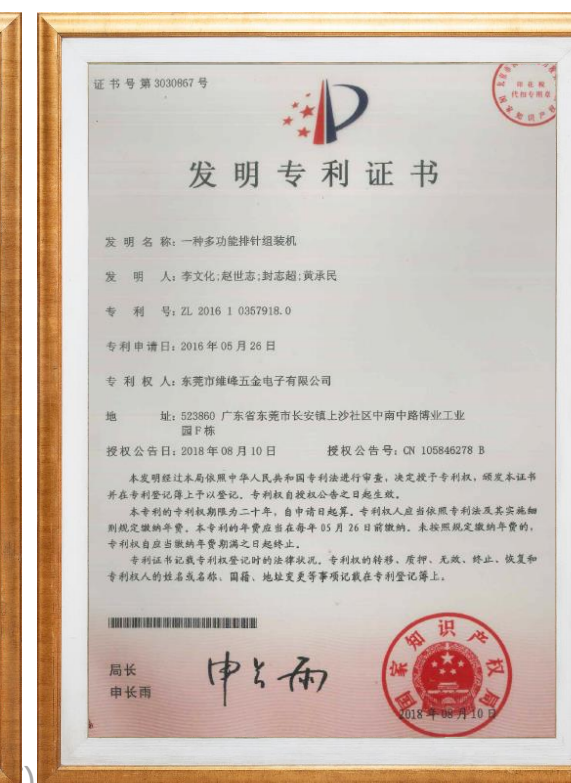
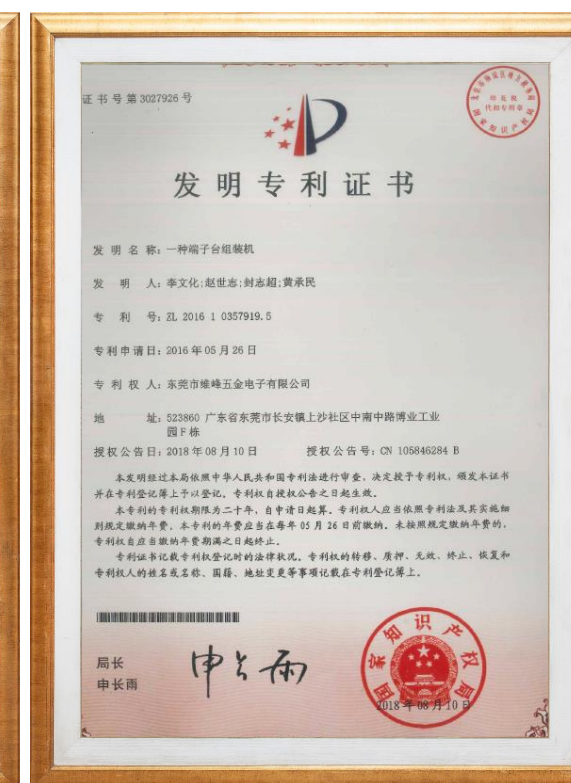
Product Mutual Matching simulation Analysis

Till May 2021, National Patent: 86 items

- Utility Model Patents
- 6 Patents
- 1 Appearance design patent

Germany Utility Model Patens:

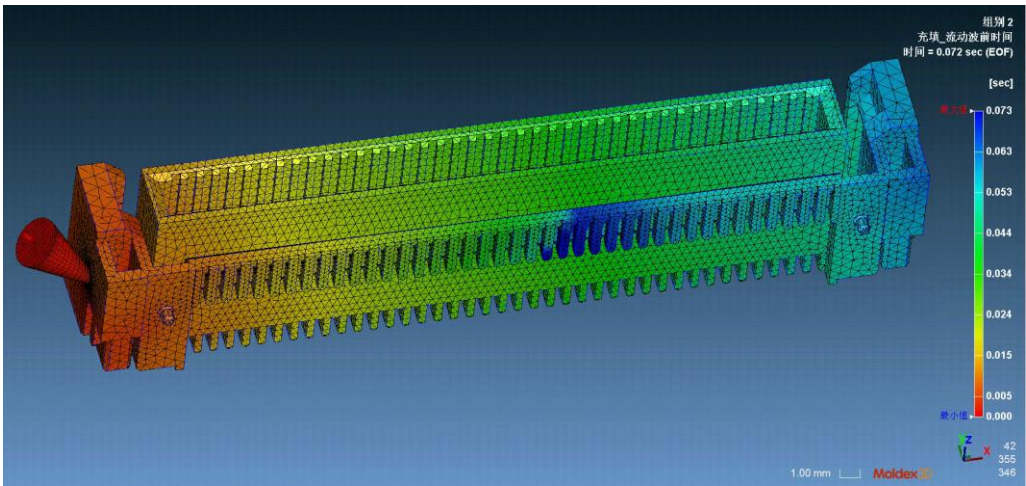
- 1 Items



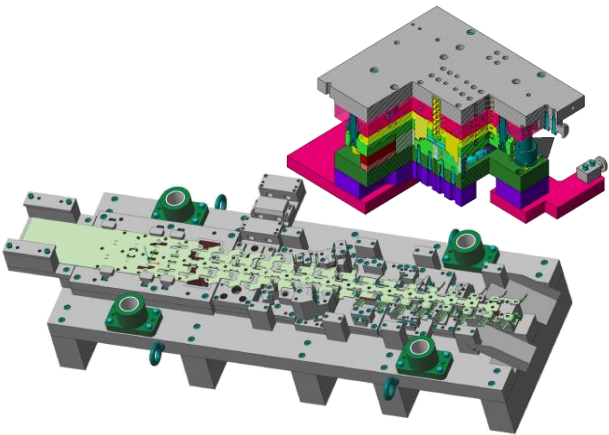
TECHNICAL INNOVATION

- Tool Design: 12 Engineers
- Tool Fabrication: 79 Engineers
- Stamping & Injection: 95 Person

WCON focus on scientific and specialized production management from the tool design and manufacturing, precision metal stamping forming, high precision plastic injection molding, to automated assembly and testing. Try to provide customers with high-end precision connector products and solutions.



Mold design & Mold Flow Simulation



Professional Metal-Die Design & analysis

模具加工进度看板				
模号	产品名称	加工工序	加工进度	项目交期
WF17518		中走丝	0%	2021/5/22
WF17518		慢走丝	0%	2021/5/22
WF06119		EDM	16%	2021/5/31
WF20271		磨床	15%	2021/5/21
WF20271		EDM	6%	2021/5/21
WFCM365		中走丝	50%	2021/5/26
WFCM365		CNC	67%	2021/5/26
WFCM365		EDM	28%	2021/5/26
WFCM365		磨床	56%	2021/5/26
WFCM365		慢走丝	55%	2021/5/26
WF04021		慢走丝	8%	2021/5/22
WF13376	0.80mm BTB 90度母座塑胶	EDM	62%	2021/5/19
WF04054		慢走丝	0%	2021/5/21
WF21758	4.19mm 排针塑胶 TYPE-1	磨床	90%	2021/5/22
WF16471	1.27PITCH SDC 母座-180度SMT塑胶...	磨床	85%	2021/5/22
WF21765	4.19mm Housing双排线端主体	EDM	67%	2021/5/22
WF21761	4.19mm 双排 板端母座 主体 带定位柱	中走丝	99%	2021/5/18
WF21761	4.19mm 双排 板端母座 主体 带定位柱	慢走丝	59%	2021/5/18

Advanced Tool production process and schedule management



Tool Solution Analysis

Mold & Die Fabrication

High end precision connectors and customer solution Service Provider

WCON[®]
Connector & Cable Assembly



MITSUI CNC Automatic Grinding



High Precision Spare Parts



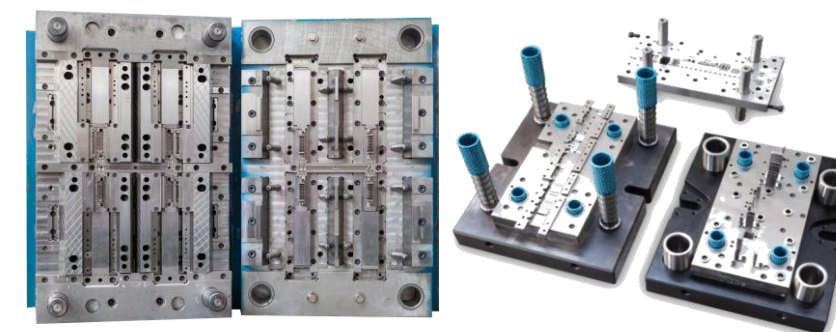
Mitsubishi EDM



CNC Machine Workshops



Okamoto & Yuqing Grinding



Injection Mold & Stamping Die



Agie Charmilles & Seibu

Injection Machine 7, 30~180 Tons

Fanuc: 16 Sets

Nissei: 24 sets

Baisu: 2 Sets

Mold: 850+ Sets

Automatic feeding system

42



High Speed Stamping Machine 25~60 T

KYORI Press: 7 Sets

CL Micron Press: 18 sets

Die:500+ Sets

25



Auto and Semi-automatic assembly Equipment

Auto & Semi-automatic assembly and test equipment

—— **More than 400 sets**

Flexible manual assembly line

—— **More than 30 lines**

400⁺



Reliable Quality Assurance



UL Witness Lab #113185001



Keyens Measurement System



Three-Coordinate measurement machine

Full range of testing equipment can provide reliable quality assurance for project development and operation, including Electrical, mechanical, environmental, dimensional, application scenario, material content testing, etc.



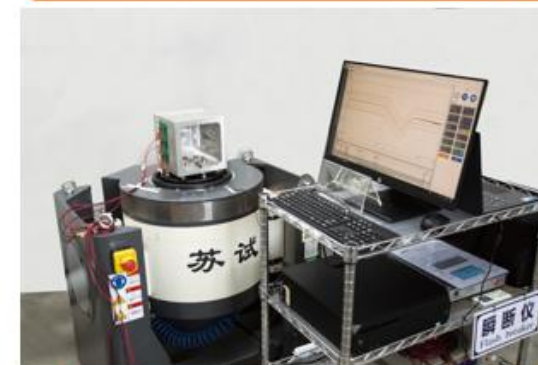
Electrical Test



High Definition CCD



SEA1000A ROHS Tester



Mechanical Vibration Tester



Vicker Hardness Tester

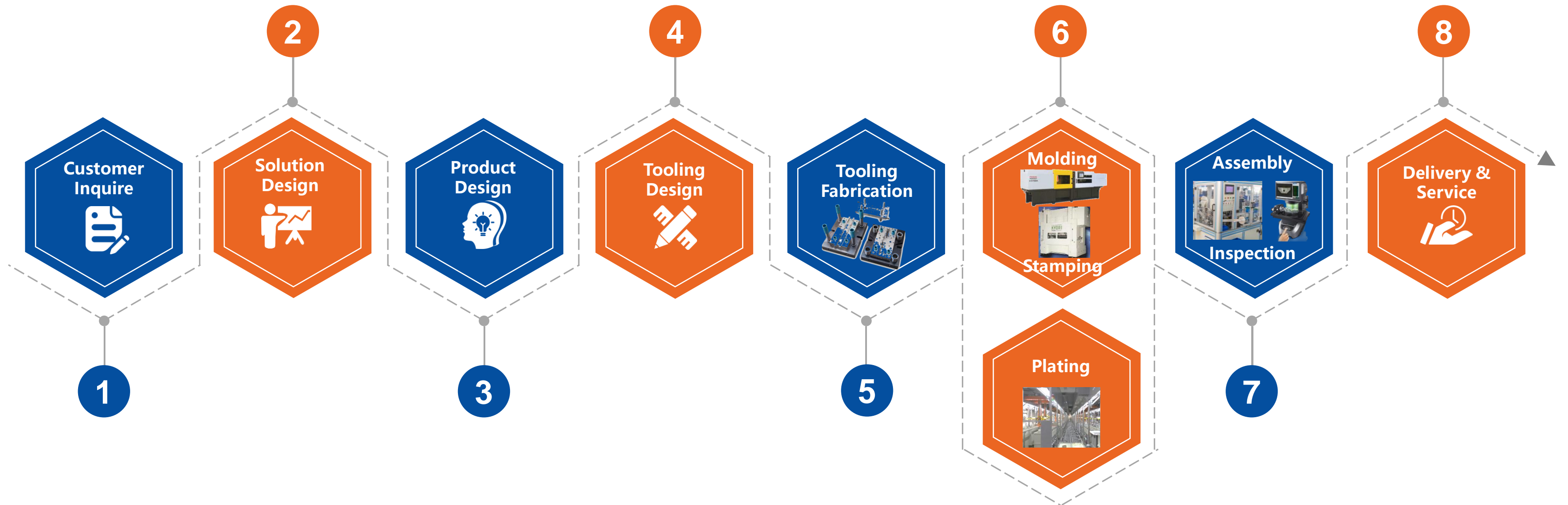


Constant Temp. and Humidity Tester



Fisher X-Ray Plating Thickness Tester

Rigorous and standardized delivery process



Industrial Automation and Control System

PLC Application

- 1) 0.8/1.0/1.27/2.0/2.54/3.96/5.08mm Pin HDR and Female HDF Connector
- 2) 0.8mm BTB Free-High Conn
- 3) Industry Terminal Block
- 4) M8/M12 Connector & Cable Harness
- 5) FFC-FPC Connector
- 6) WF3810/5085WTB Connector
- 7) D-Sub, SCSI, SIC Connector
- 8) Micro I/O Connector
- 9) Cable Harness assembly
- 10) IDC Flat Cable Assembly

Sever Motor Application

- 1) Motor Connector
- 2) M8/M12Cycle Connector
- 3) HDC

Robert Application

- 1) Micro I/O Connector
- 2) WF3810/5085 WTB Connector
- 3) HDC Connector
- 4) M8/M12Cycle Connector



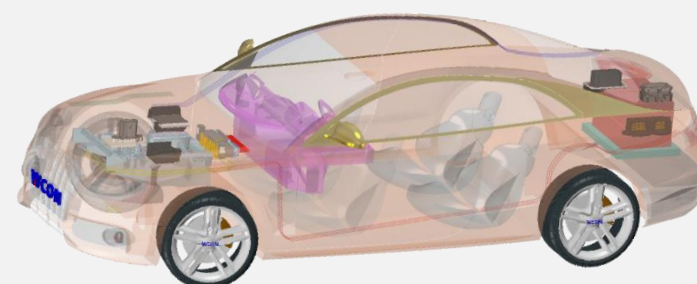
Electronics and Control on EV

"Three-Electric" system of new energy vehicles

- 1) 3.0mm, 4.0mm WTB connector

Automotive Electronics

- 1) 2.2/2.54/3.0/3.5/3.81/4.9mm Pin HDR and Female HDF Connector
- 2) 2.5mm WTB Connector
- 3) 1.27mm SDC Connector



Photovoltaic Inverter System

Solar Inverter System

- 1) 0.8~5.08mm Pin HDR and Female HDF Connector
- 2) Box HDR and Ejector HDR Connector
- 3) IDC Cable Assembly

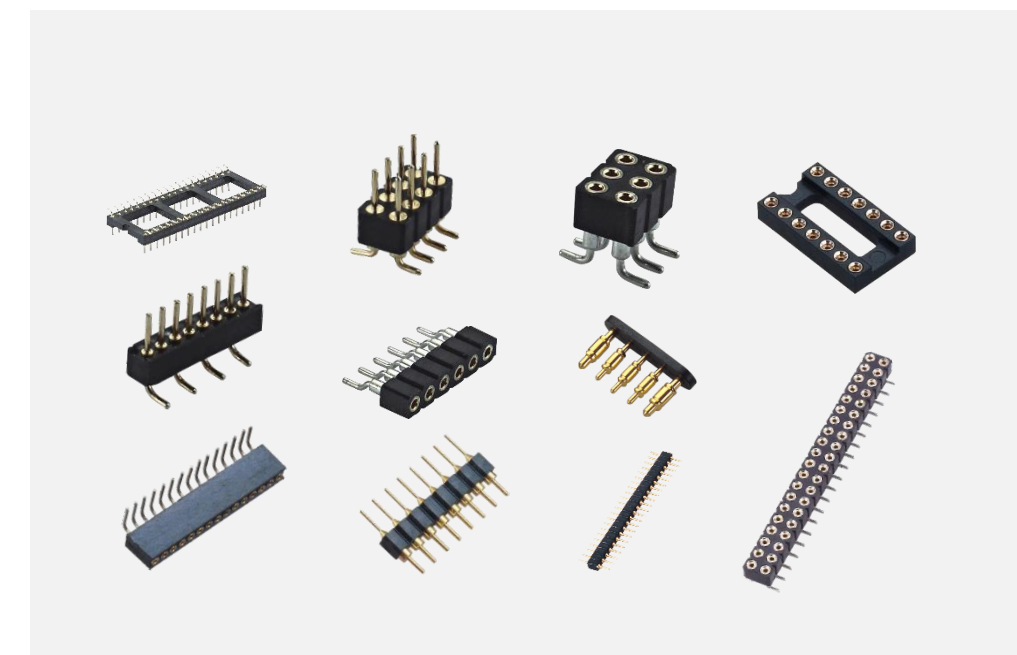




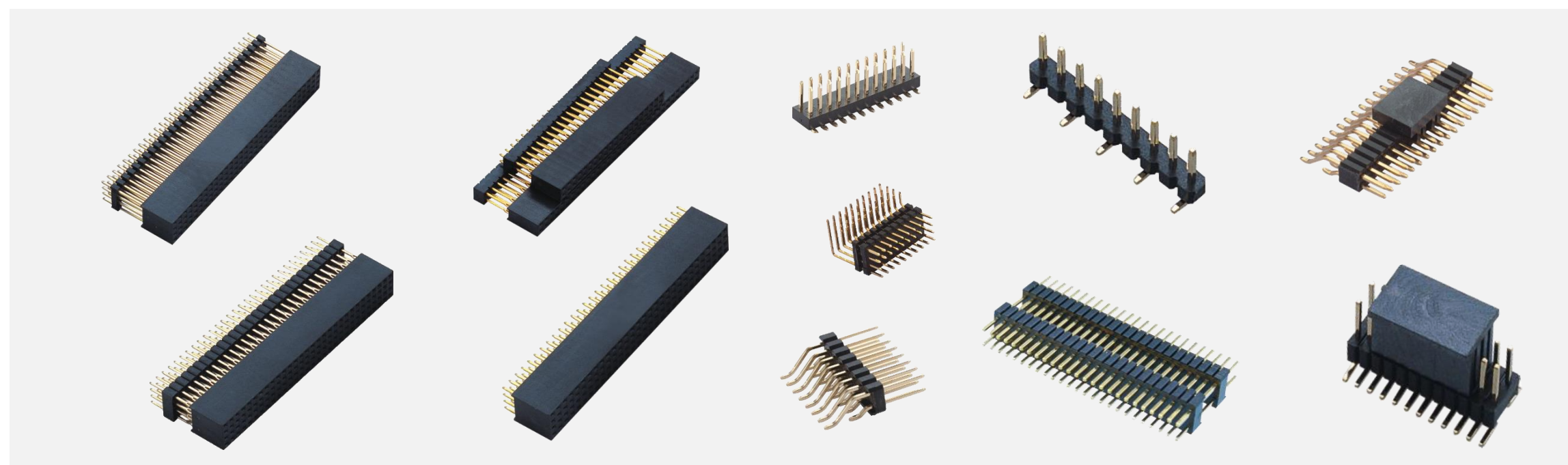
Precision Board To Board
0.4,0.5,0.6,,0.635,0.8,1.0,1.25,1.27mm



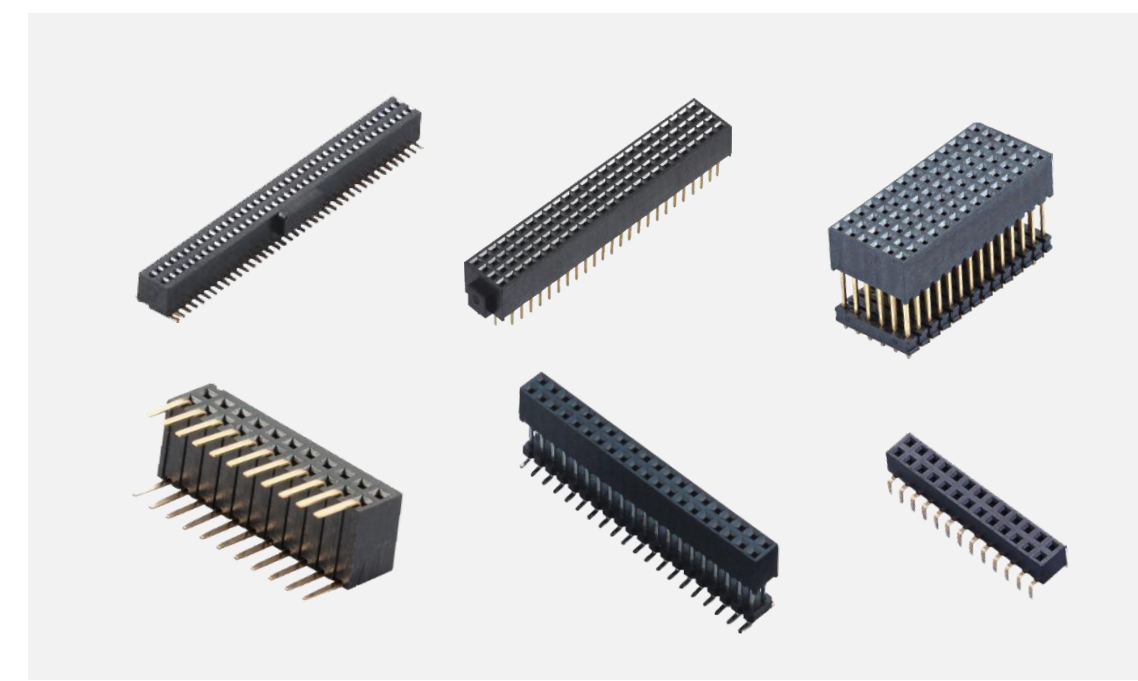
I/O Series
1.27 mm SCSI, 2.0mm1394, 2.54mm DFCN, 2.29/2.77mm D-Sub



Machine Pin Connector
1.0,1.27,2.54mm



Pin Header Series
0.8,1.0,1.27,2.0,2.53,3.96,4.2,5.08mm / 2.0,2.54mm PC 104



Female Header Series
0.8,1.0,1.27,2.0,2.53,3.96,4.2,5.08mm



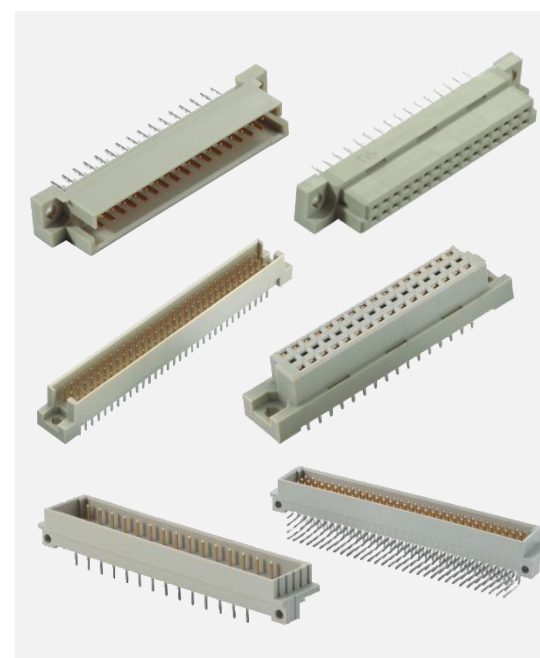
Automotive Connector Series

1.27mm SDC / 2.54mm LSC / 1.27mm MSC & 1.5, 2.2, 2.5, 3.0, 3.5, 3.81, 4.6mm Pin HDR & 1.27, 2.54, 2.2, 3.0, 4.0mm WTW/WTB Conn



IDC Series

1.27mm MRC / 1.27mm SPC / 0.635, 1.0, 1.27, 2.0, 2.54 IDC / 0.5, 1.0, 1.25, 2.54mm FPC



DIN 41612

2.54, 5.08mm



Wafer/HSG/Terminal Connector

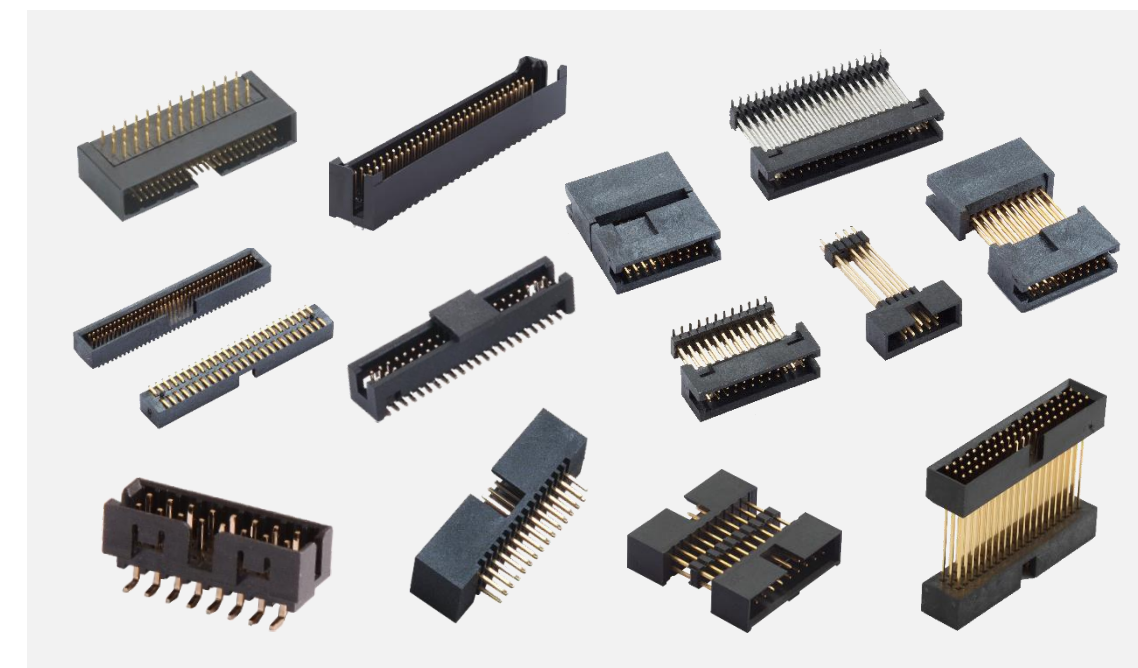
1.00, 1.25, 1.5 / 2.0 / 2.5, 2.54 / 3.0, 3.96, 4.19 mm
and 0.6, 0.8, 1.27, 3.81, 4.14, 4.20, 5.08, 7.5mm



Power Signal Power Series
2.54, 6.35, 7.62mm



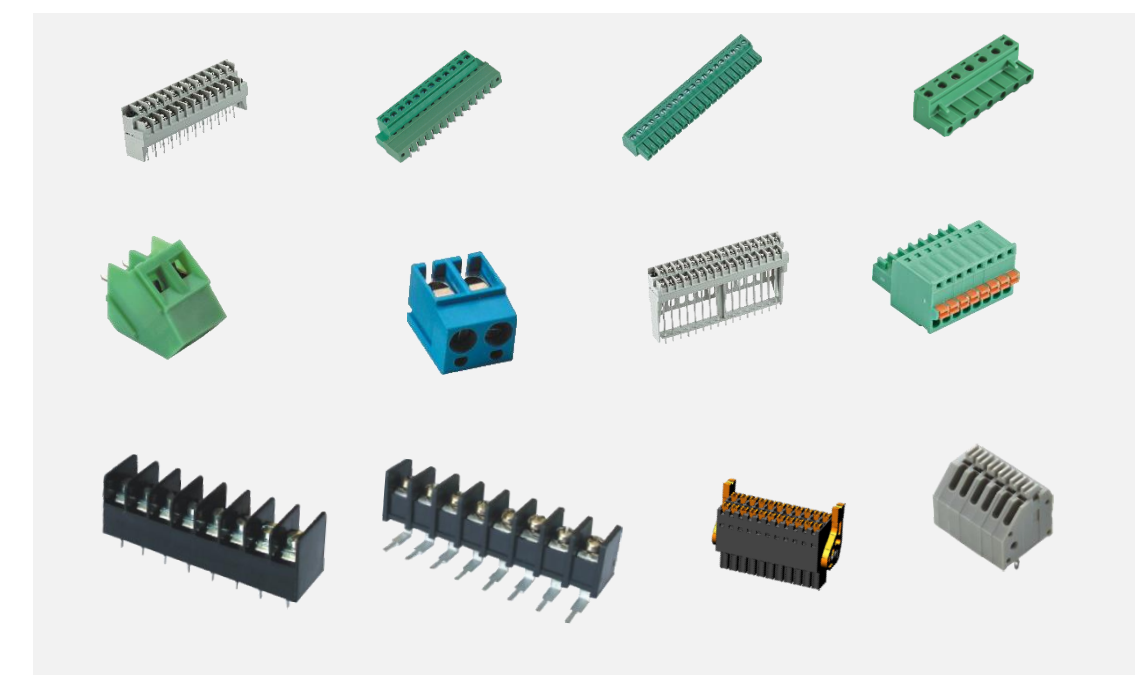
Ejector Header Connector Series
1.27, 2.0, 2.54mm



Box Header Connector Series
0.8, 1.0, 1.27, 2.0, 2.54mm



Flat Cable & Wire Harness Assembly

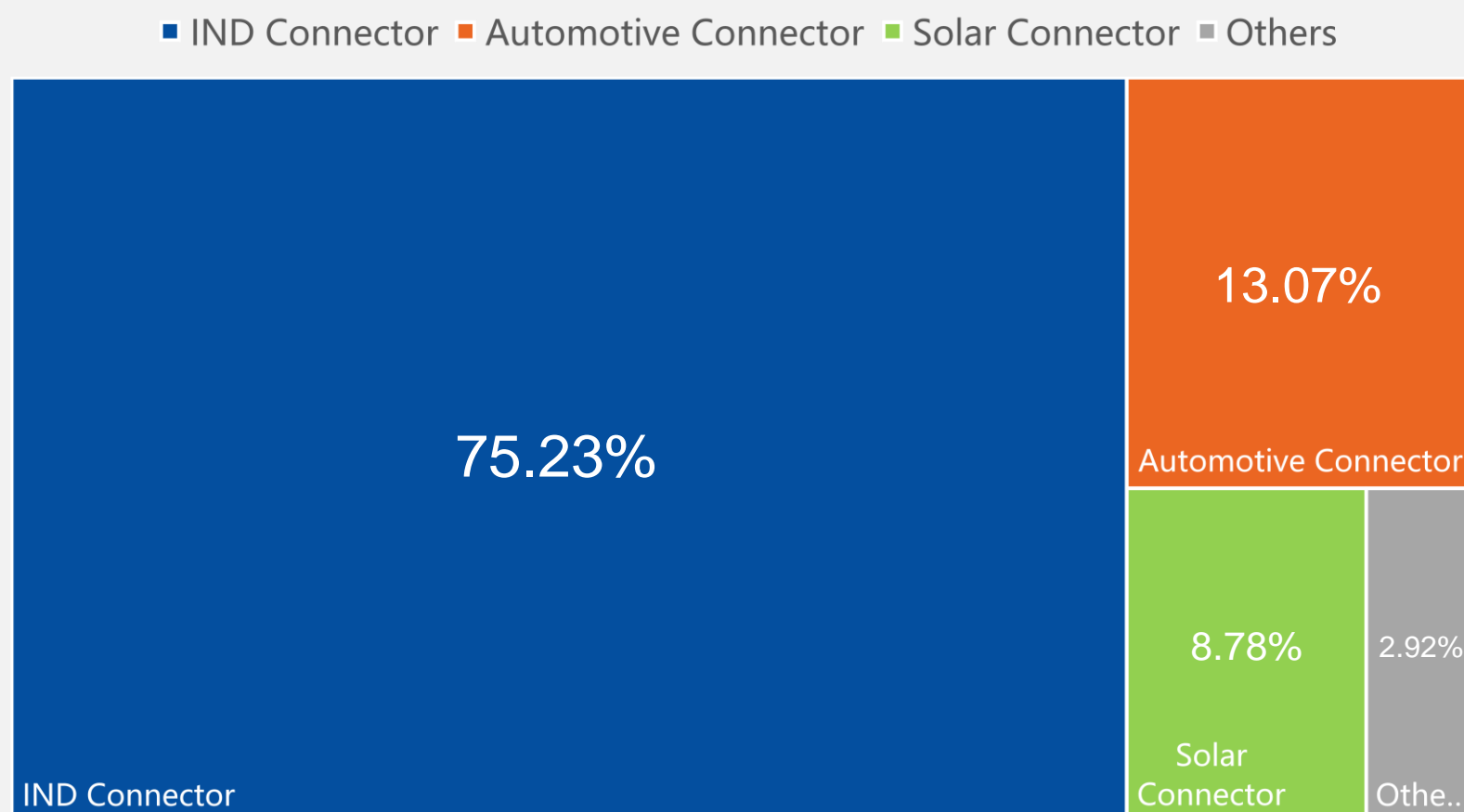


Terminal Blocks Connector
2.50, 3.50, 3.81, 5.00, 5.08, 7.50, 7.62mm

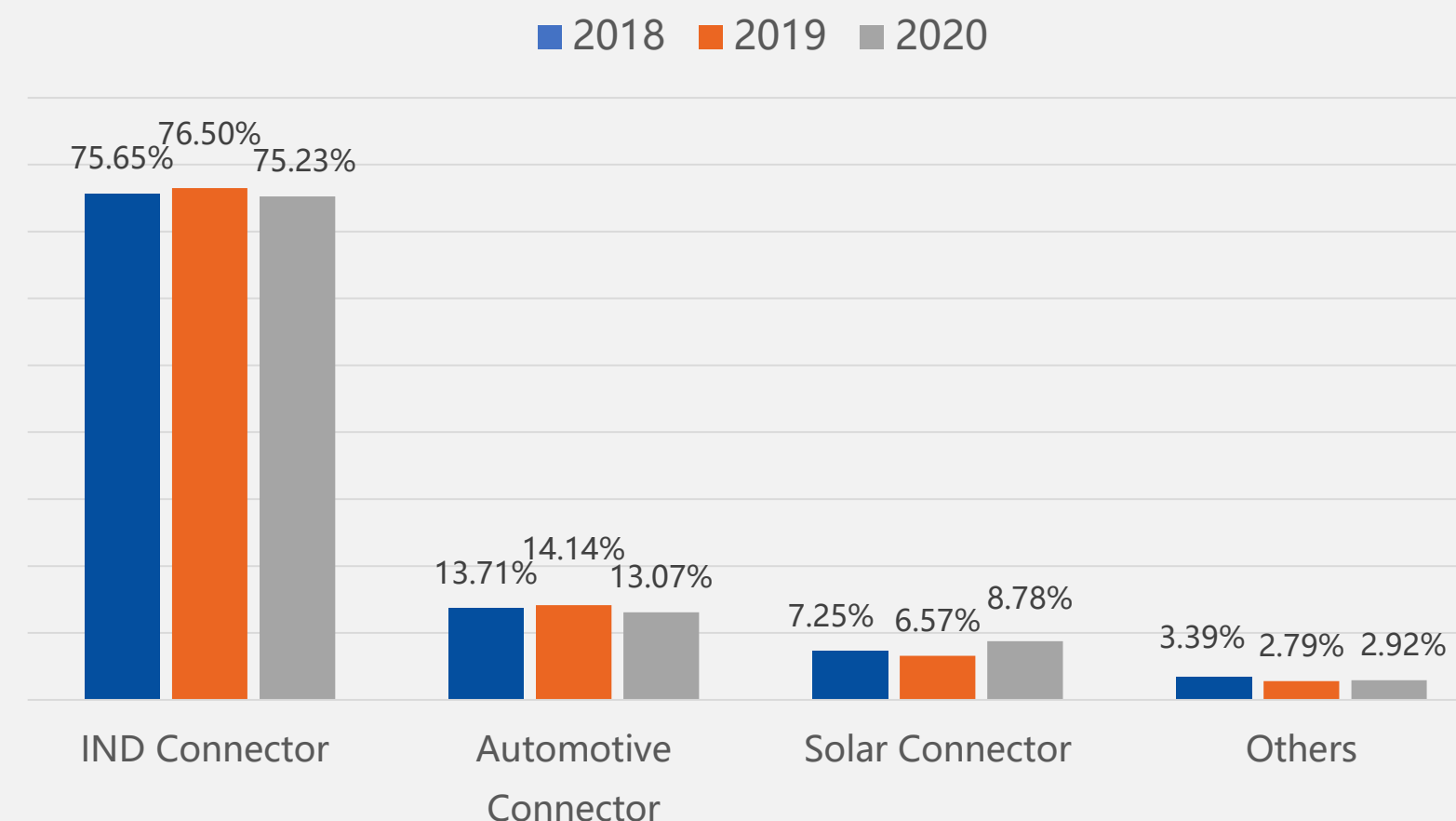


M8/M12 Cycle Connector & HDC Series

2020 Product Application Ratio



2018-2020 Ratio



2

R&D/Factory and
Italy Company

40+

Sales to 40+
Countries



HQ : Dongguan Guangdong

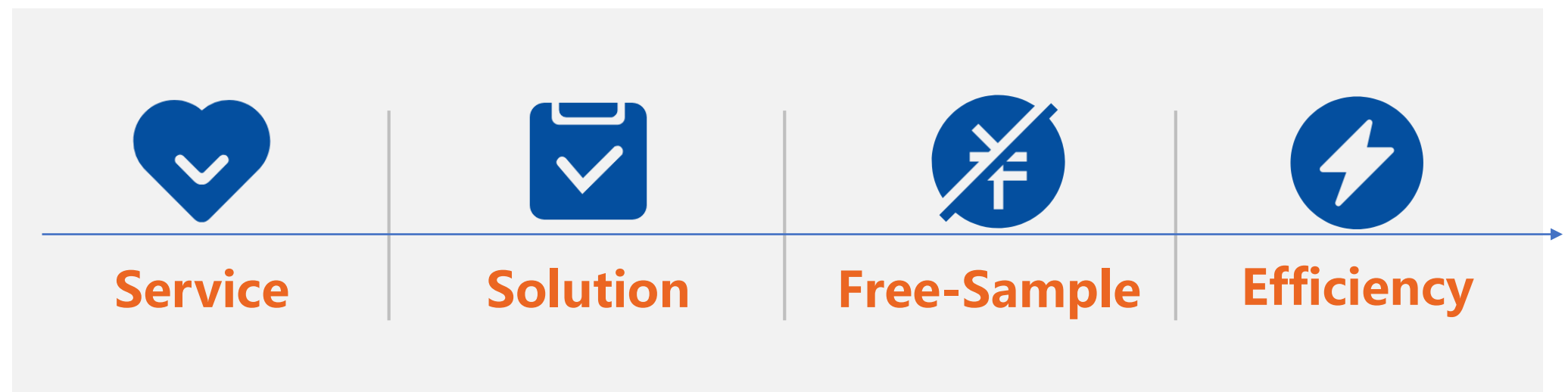


Kunshan Factory



Italy company

SERVICE



Professional design engineering, Tooling Fabrication, Operation and sales team, Industry Standard. Focus to provide high end precision connectors and customer solution .



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