

EV High Voltage Wire harness Solution



Electric vehicle high voltage wire harness is mainly used to connect the high voltage equipment of electric vehicle, such as the connection between battery pack and multi-in-one, the connection between AC charging socket and OBC, and so on. It involves the requirements of reliability, safety and other aspects, and is the key part of electric vehicle.

Characteristic

- Cables used generally require temperature resistance of 125°C and above;
- General voltage requirements 500 V and above;
- General requirements with shielding;
- Above IP67 protection Degree;;

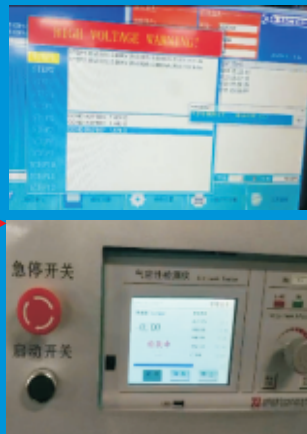
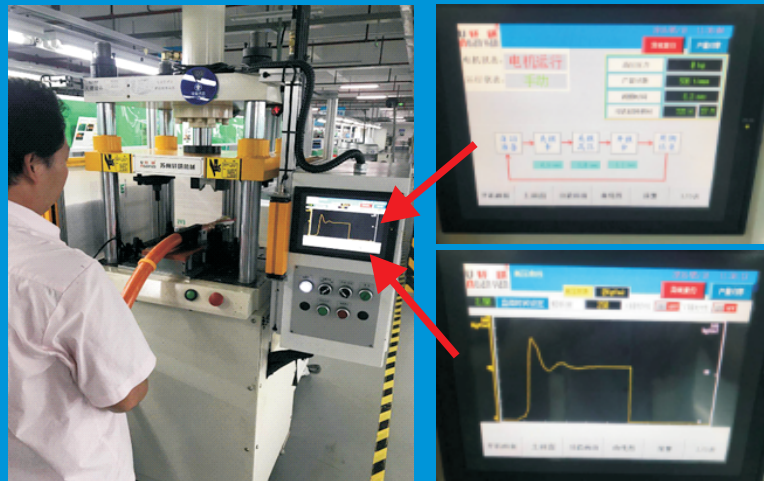
Advantage of Recodeal

- Self-made high-voltage cable & connector, better cost, better quality, faster delivery
- Many customer reliable mass application cases
- MES line
- Key assembly positions such as crimping are monitored
- Automation or semi-automation of complex processes such as shielding layer combing
- Key test positions such as air tightness, insulation withstand voltage and conduction can be monitored
- Small batch multi-variety support capability

Production control

Intelligent Pressing System for High Voltage Cable

- 10T~20 T Intelligent crimping equipment
- Safety Protection of Light Bolt
- Research and development of braiding layer processing system for high voltage cable by on-line realtime
- monitoring and abnormal alarm



Intelligent High Voltage Detection Platform

- independent development of intelligent detection platform (has run more than 10 sets.)
- Suitable for high and low voltage wire harness and all charging interface wire harness.
- Electrical machine for electrical performance and airtight testing
- Achieve conduction, insulation, voltage, airtight test synchronization completed
- Safety Protection of Light Bolt
- Automatic testing of MES system connection/scan code
- The first in China can simulate the new national standard charging mode test to achieve overload, overcurrent / duty cycle and other parameters synchronous intelligent testing.

Intelligent Production (MES System)

- January 2018 officially put into intelligent (MES) production system
- Belong to the first domestic peer.
- Each process sweep code operation.
- Automatic identification/overstation protection
- Test data storage/recording/reading
- Real-time monitoring and feedback of production quality, two-dimensional code traceability system.

