

HV-FA

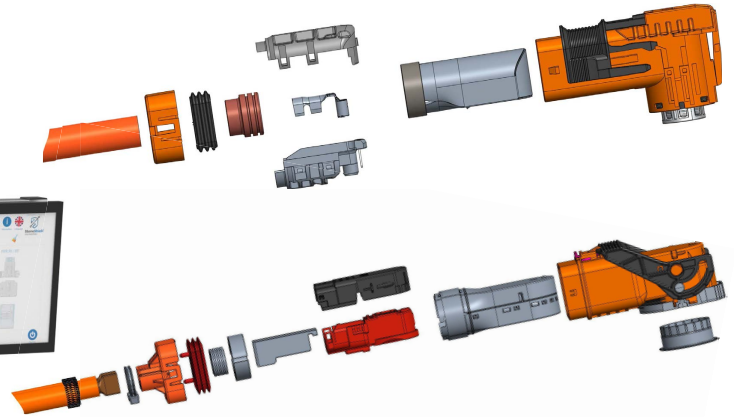
High-Voltage - Final Assembly

P/N: 01-06-0005



Applications:

Final assembly of HV connectors.



Technical Data:

Dimensions:

Length: 1300 mm
Width: 1300 mm
Height: 2300 mm
Weight: 450 kg

Connections:

Electrical: 230 VAC @ 50 Hz - 1 IEC standard male socket

Consumption: 750 W (peak)

Air pressure: 4.5 to 6 Bar - quick-coupler socket - 8 mm

Interface: Touchscreen, buttons, tower LED



The HV-FA - High-Voltage - Final Assembly is a system designed to perform the final assembly of HV connectors, in a controlled and monitored way.

The operator places the components into poke-yoke jigs (in some cases, these components are loaded automatically from feeders), and after detecting the presence of all components, a servo motor performs the insertion.

Some key aspects of the final assembly, for example: the position of the outer conductor is monitored by a vision system, with multiple cameras, that relays the information to the servo motor, in a closed loop control system, in order to achieve the perfect position.

The vision system and laser sensors are also used to ensure the correct final position of the components.

With inbuilt OPC-UA communication, full traceability of the process is ensured and reported to the MES servers.