



GEOCONNECTICS

RELIABILITY TESTING LABORATORY

HIGH VOLTAGE

OUR VOCATION

Electrical contacts

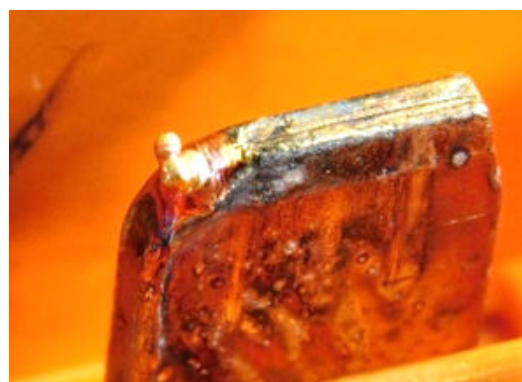
Conductive metal parts

Insulating parts

The vocation of our company is especially the characterization of electrical contact.

We characterize the conductive metal parts through which circulates electrical energy. We also characterize the insulating parts which isolate the current flow.

We work in the fields of aeronautics, automotive, electrical engineering, aerospace, military, electro medical devices, electronics, energy...



OUR QUALITY APPROACH

We have an **R&D label** called "Agrément crédit d'impôt recherche " allowing our French customers to obtain a tax deduction of 30% on theirs R&D projects.

We are accredited according the standard CEI 17025 by **COFRAC** since the 14 April 2020. Our accreditation perimeter is built on EN 60512 standards (contact resistance). [Scope 1-6763](#) available on the COFRAC website.



HIGH VOLTAGE VE-HV BUSBARS, WIRING & CONNECTORS

> Screwed busbar

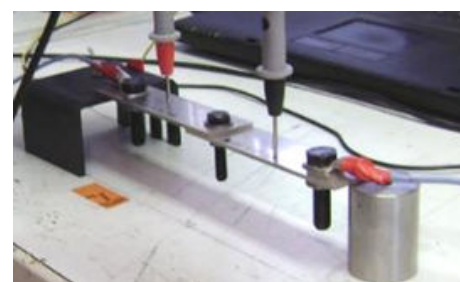
For the automotive and electrotechnical Industries



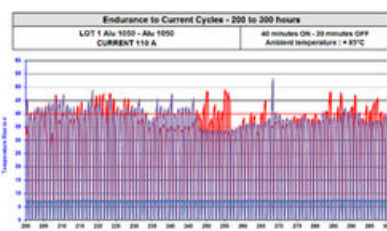
Contact area



Screwed busbar
heating endurance



Voltage drop



Current cycles endurance



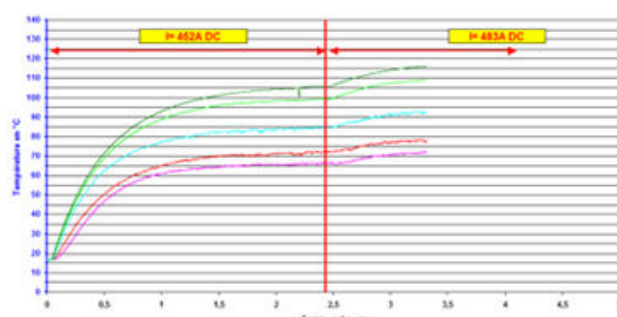
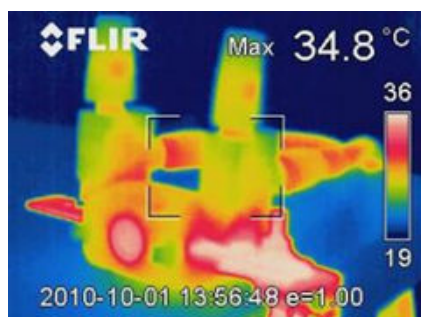
Derating test



Salt spray

> With material and isolating displacement system

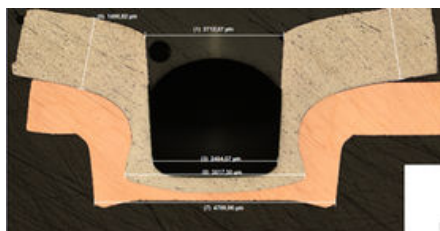
For the electrotechnical Industry



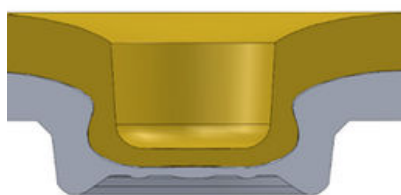


HIGH VOLTAGE VE-HV BUSBARS, WIRING & CONNECTORS

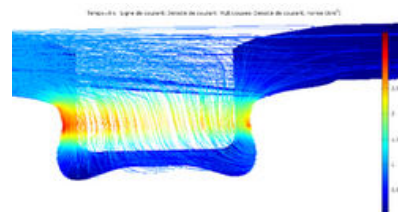
> HV - Numerical Simulation of busbar assembled by clinching For the automotive Industry



Cross section

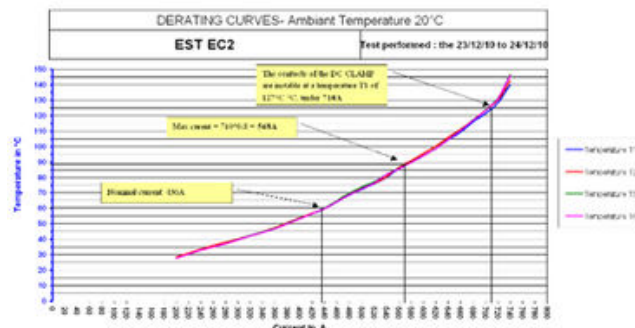
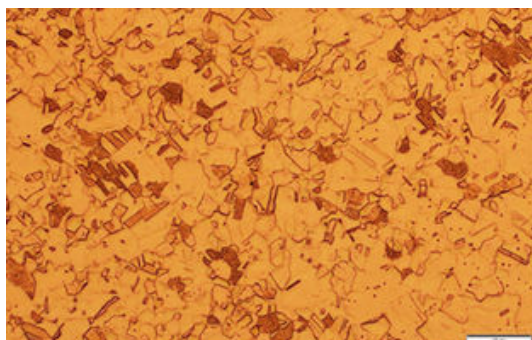


Numerical modeling

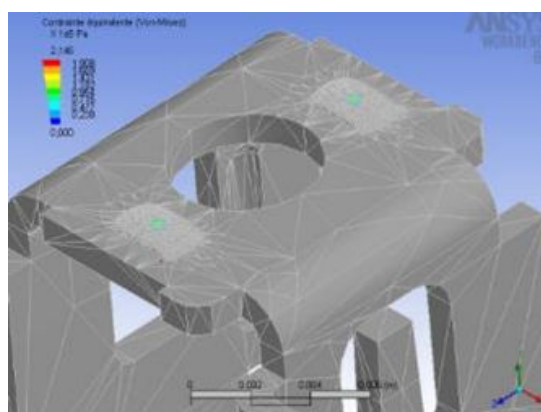


Contact area current density

> System of busbars connected by ultrasound welded wires For the electrotechnical Industry



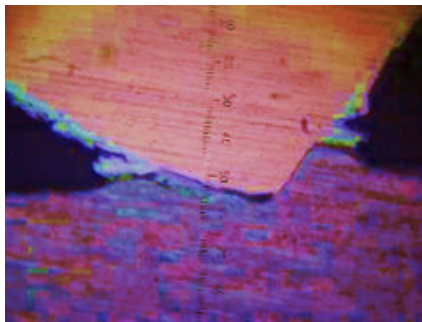
> System of busbars connected by elastic blades and elastic deformation For the automotive and electrotechnical Industries





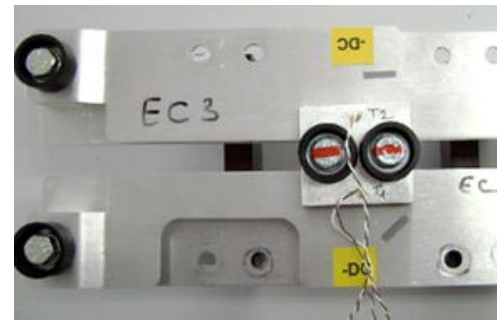
HIGH VOLTAGE VE-HV BUSBARS, WIRING & CONNECTORS

› System of busbar connected by Oxide breaking For the energy Industry

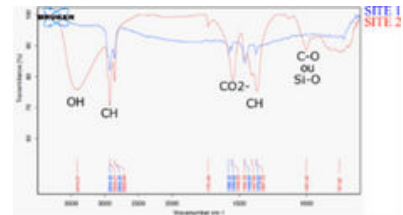
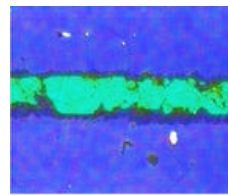
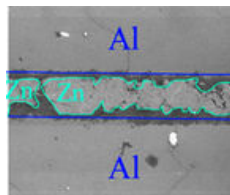
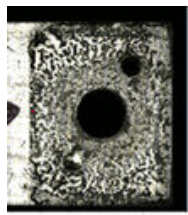


< Material & coating
displacement

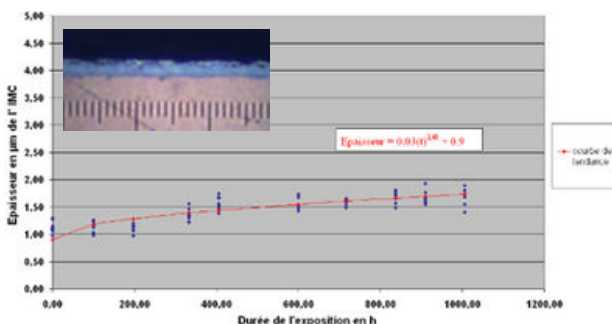
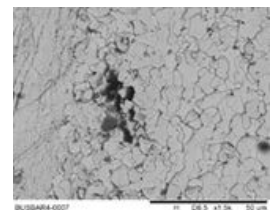
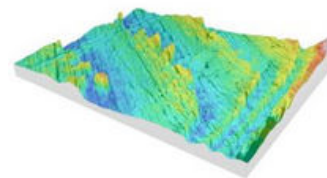
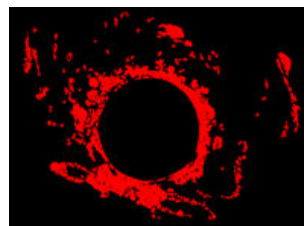
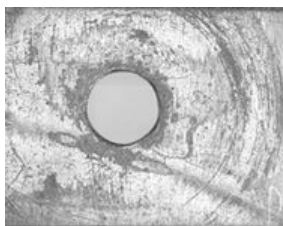
Busbar connection >



› Studies on interface strippers and conductive grease For the electrotechnical Industry



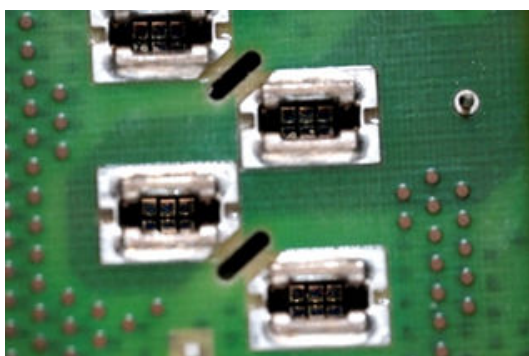
› Benchmark of coatings and materials For the automotive Industry





HIGH VOLTAGE VE-HV BUSBARS, WIRING & CONNECTORS

> VE -HV connecting systems for PCB For the automotive Industry

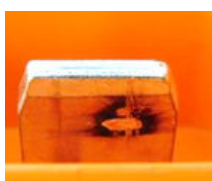


HV multi connecting
holder



HV 2 quadrant power
supply

> VE -HV connecting systems for batteries and engine For the automotive Industry



Mating unmating under HV
power



HV programming
power supply



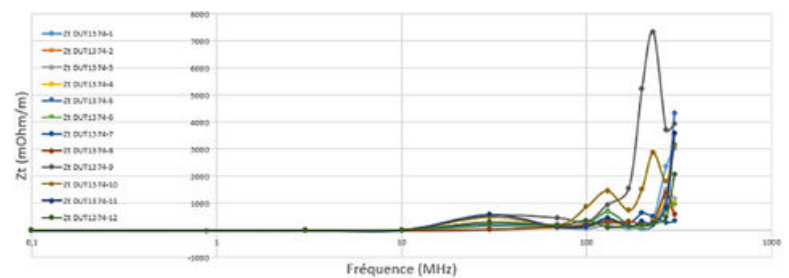
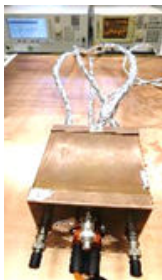
HV rack of power supply



HIGH VOLTAGE VE-HV BUSBARS, WIRING & CONNECTORS



> VE - HV CEM - Shielding Characterization



HV connectors derating characterization

> VE - HV Electrical contact SEM Expertise

