



TECHNAX
Quality Welding Solutions

Didier FAURE / Sales Manager
didier.faure@technax.com

November 2022

WHO ARE WE ?

- ➔ SME located in Saint-Priest (69-Lyon).
- ➔ Design and fabrication of qualitative and innovative welding solutions.
- ➔ > 40 people in 2022.
- ➔ Turnover forecast 2023 : > 10 mio. €uros (*45% automotive*).
- ➔ 60% outside France.



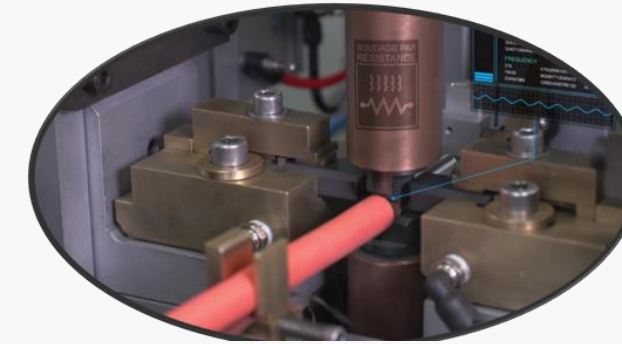
OUR KNOW- HOW

TECHNOLOGIES



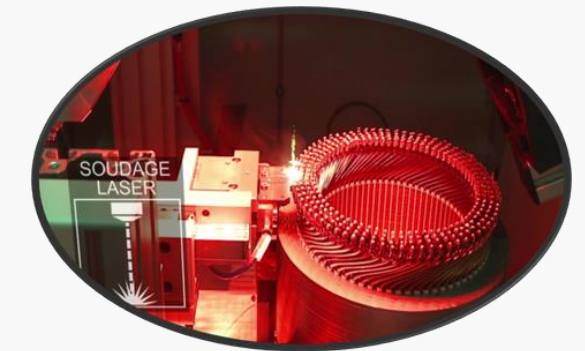
➔ Resistance welding and brazing

- Compacting
- Hot-Staking
- Combrazing



➔ Induction brazing

➔ Laser welding



➔ Ultrasonic welding



OUR SCOPE

➔ Engineering (R&D)

➔ Prototypes (A & B-Samples)

➔ Small production batches (C-Samples)

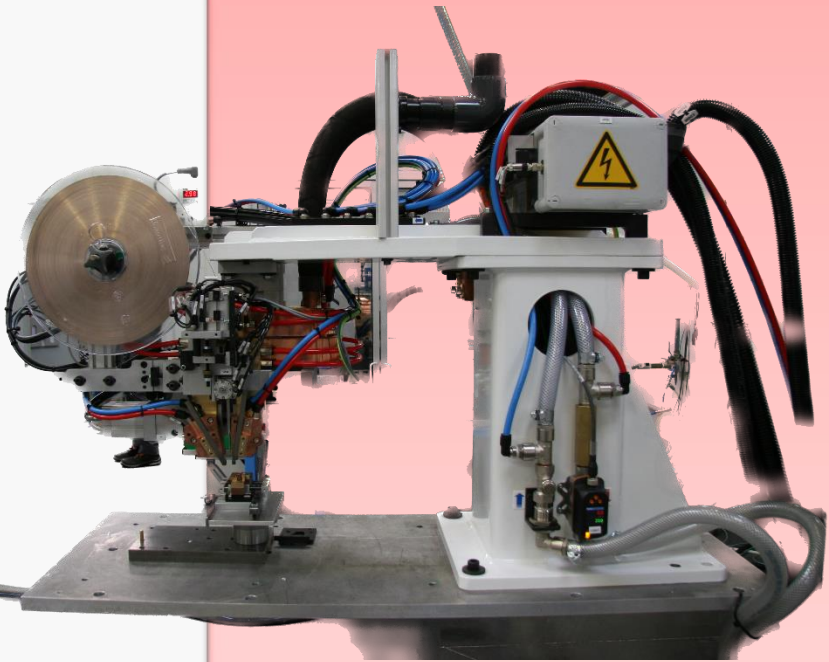
➔ Machine building

➔ Accessories, consumables

AUTOMOTIVE INDUSTRY PARTNERS



MACHINES TYPES



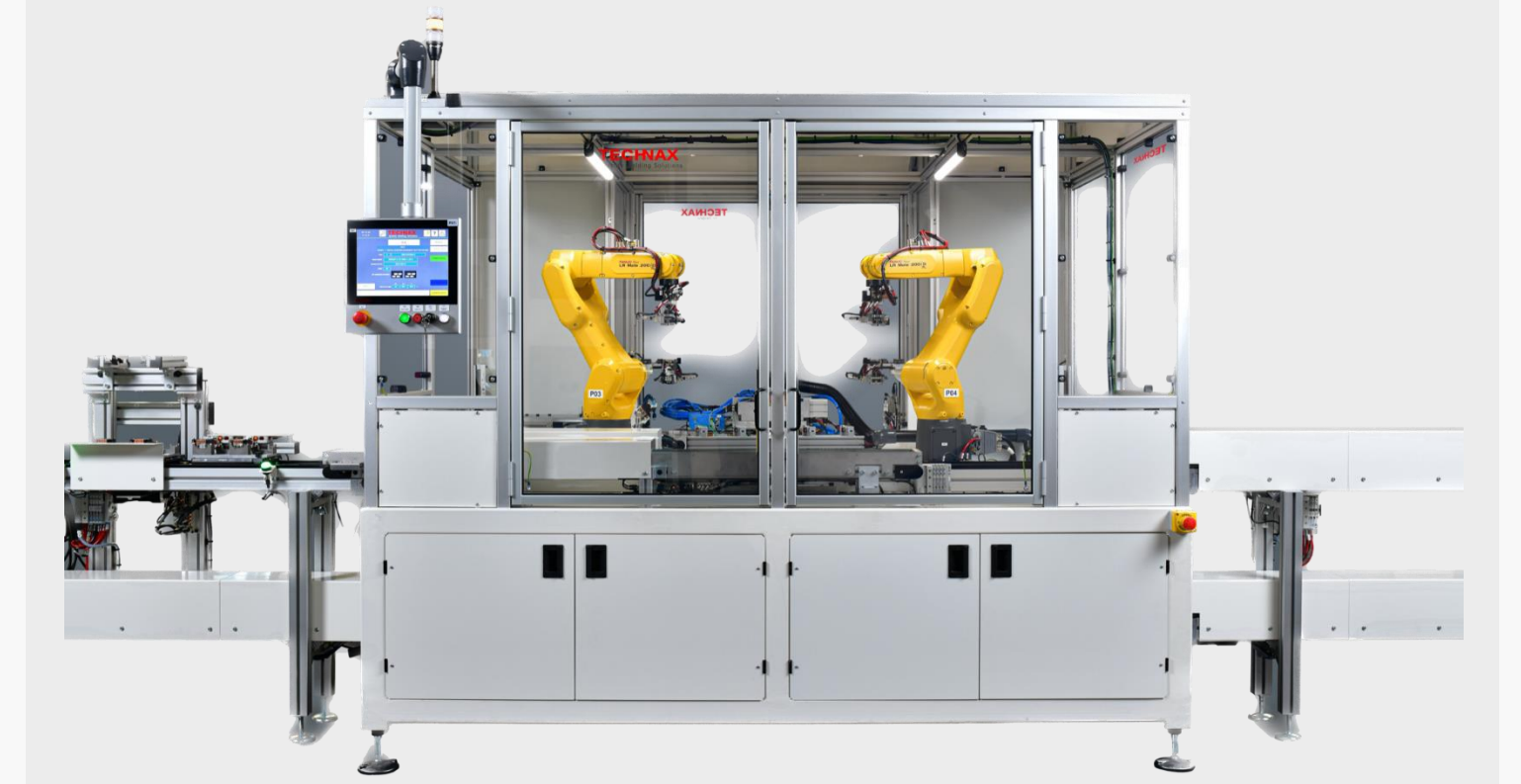
« Quasi-machine » *to be integrated in a production line*



Half-automatic combrazing machine



Automatic welding machine 1 robot



Automatic resistance brazing machine 2 robots

POWERTRAIN AND POWER ELECTRONICS

*DC-DC, DC-Link, inverter, iBSG, IGBT, rectifier,
battery, stator/rotor*

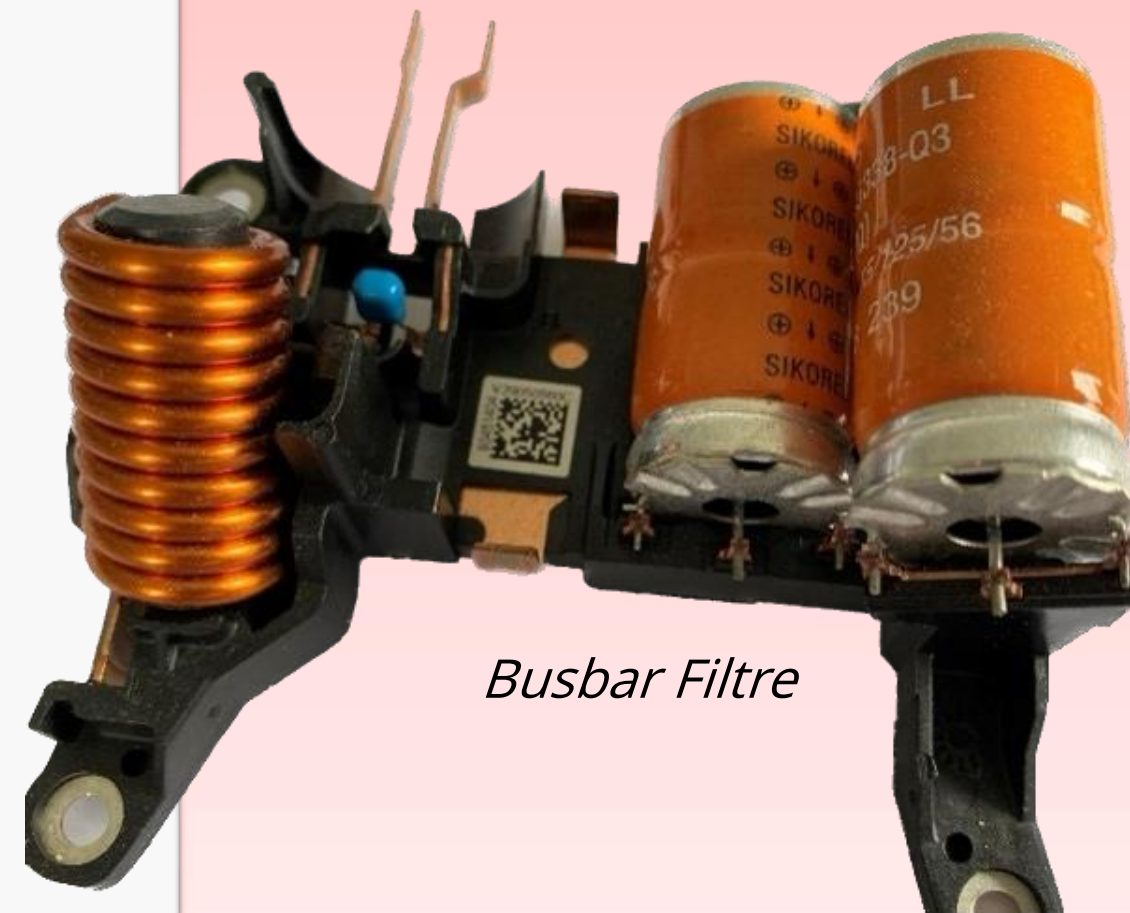


Resistance brazing application
TML



Filtre ECM

Hot-crimping applications

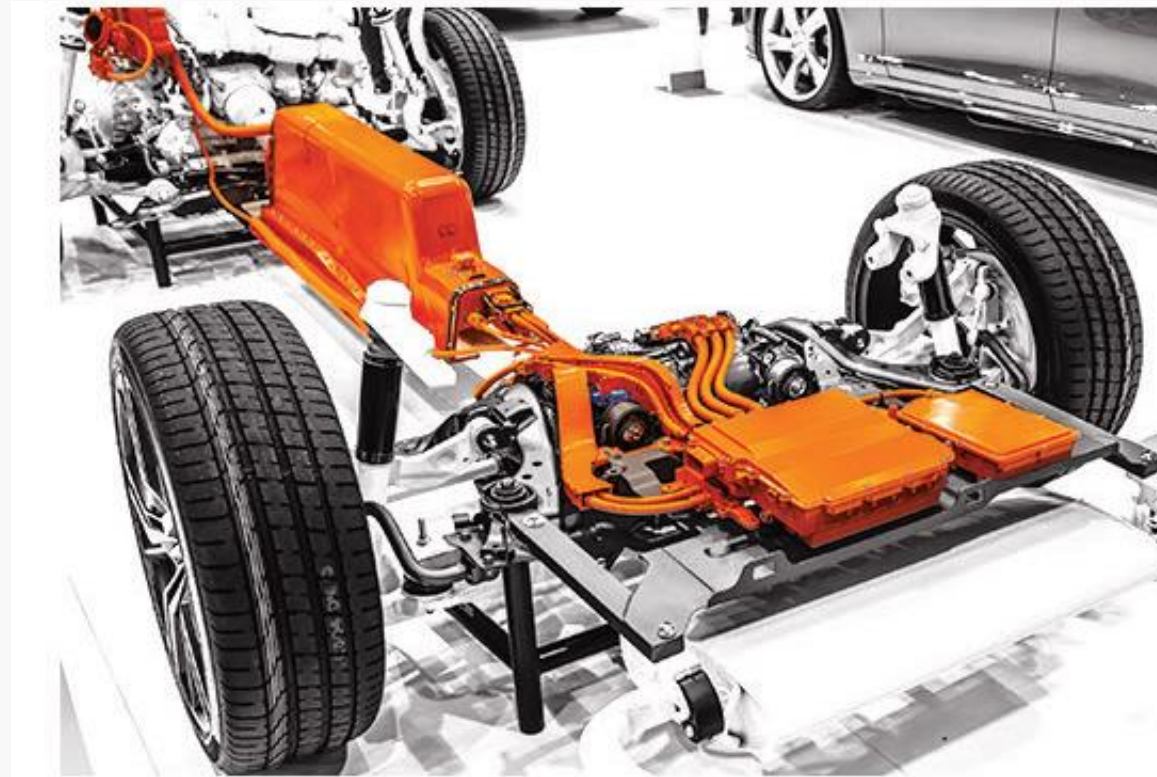
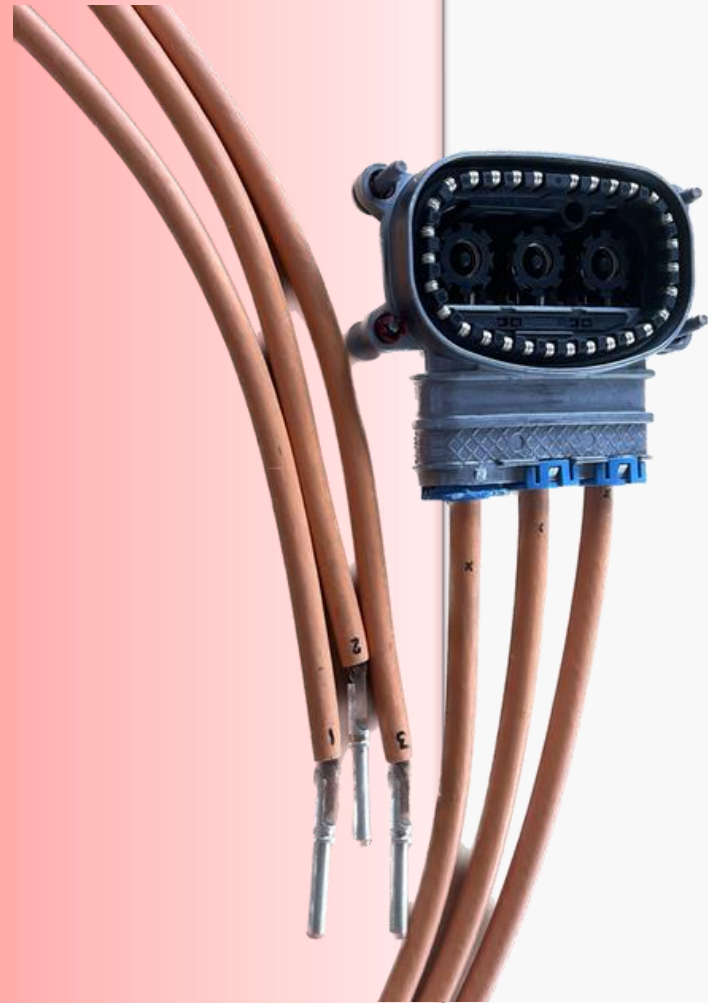


Busbar Filtre



E-MOBILITY

HV-CABLES APPLICATIONS



Used in electric and hybrid vehicles



COMBRAZING = compacting + brazing in one operation



E-MOBILITY

BATTERY CELL MODULE PACK ASSEMBLY



Laser welding applications

Resistance and laser welding applications

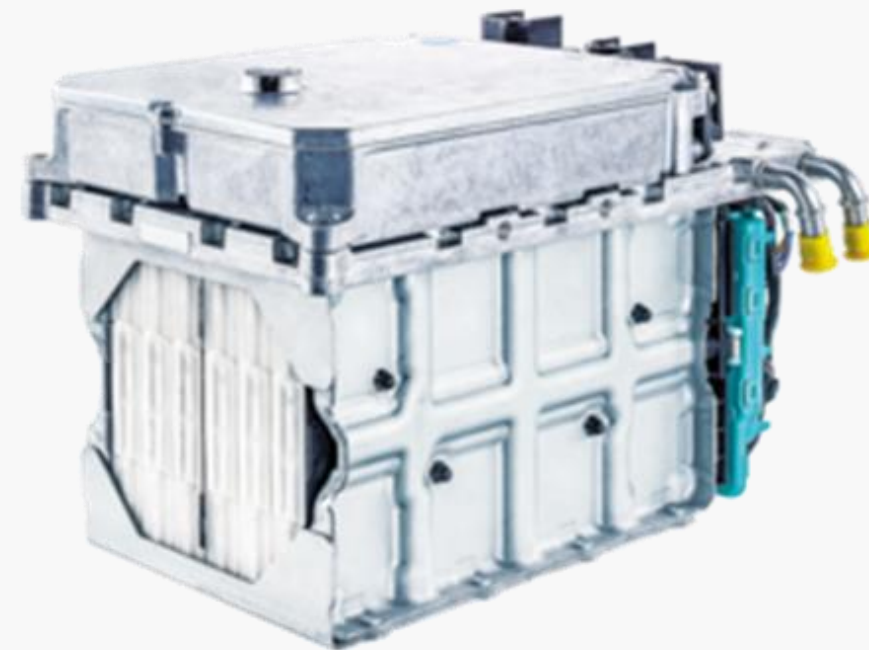


E-MOBILITY



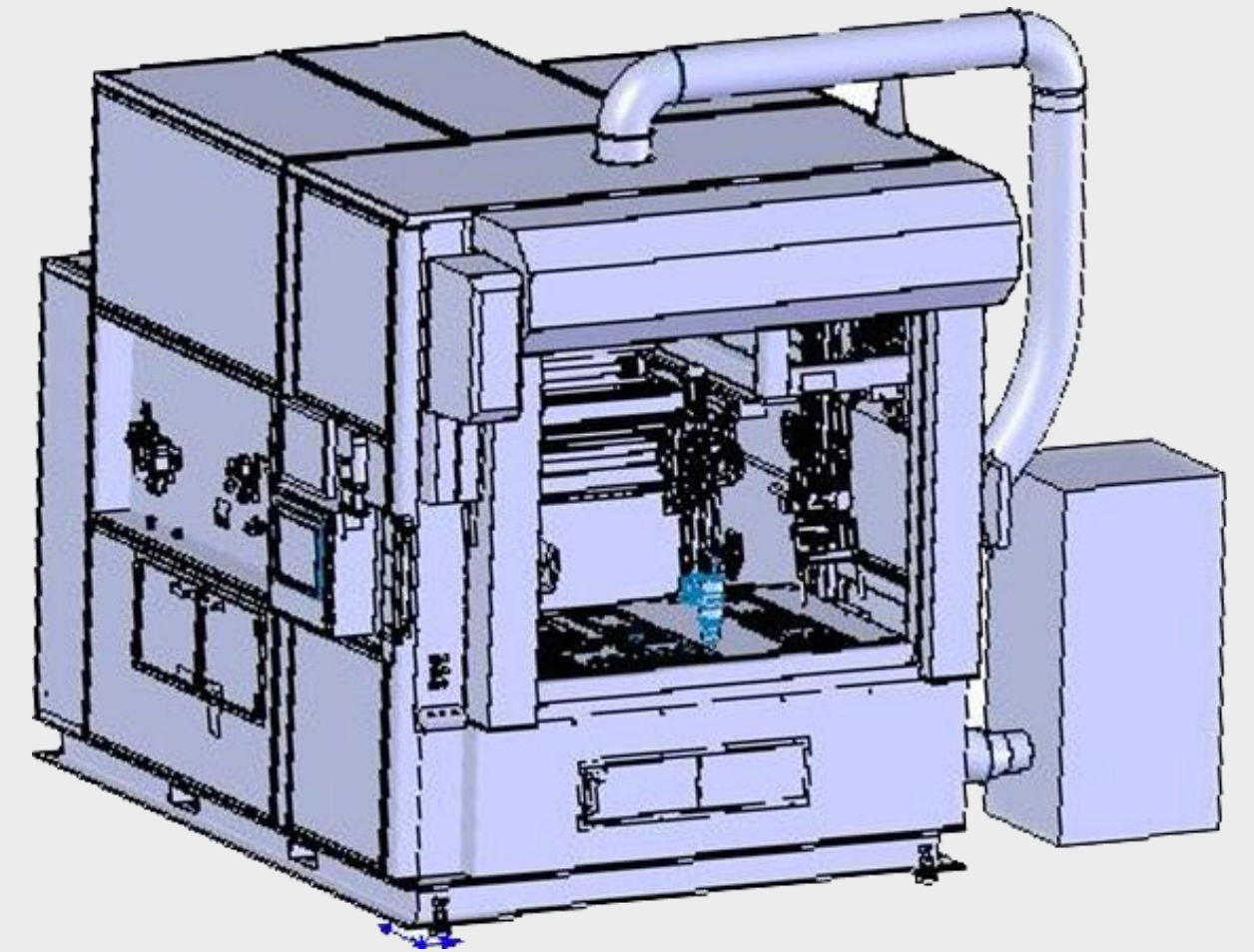
Bi-polar plates assembly

Laser welding application



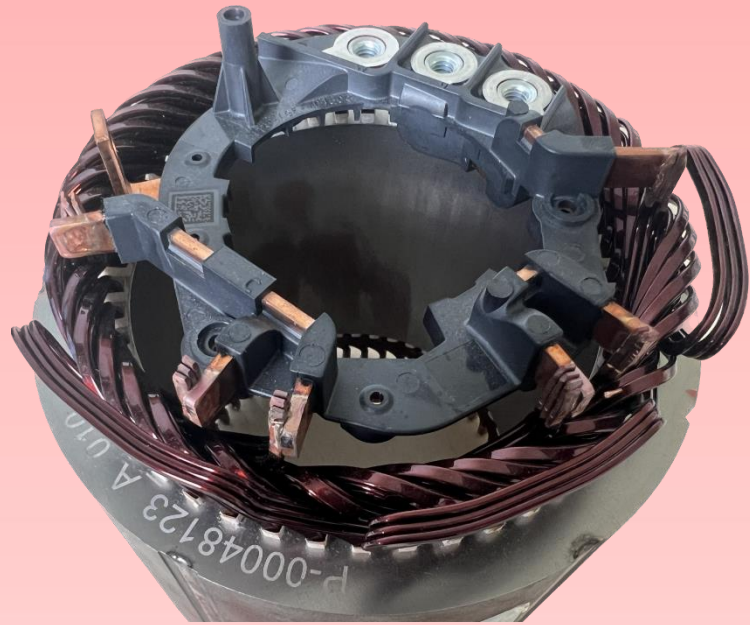
Stack

HYDROGEN



Automatic laser welding machine for bi-polar plates

OTHER APPLICATIONS



Stator

Resistance brazing



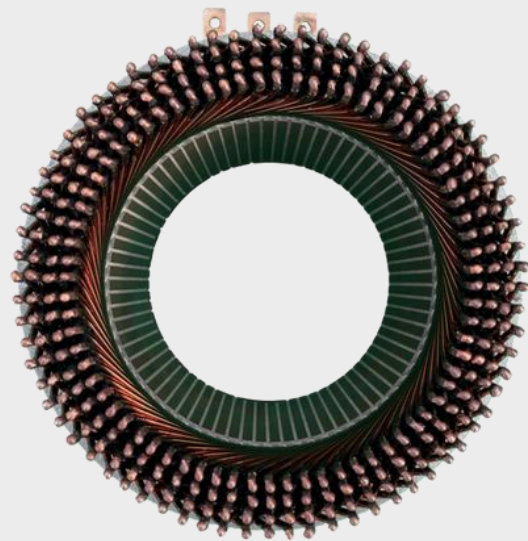
Power connector

Resistance brazing



Copper braids

Resistance compacting



Stator Hair Pin

Laser welding



Flexbusbars

Resistance compacting

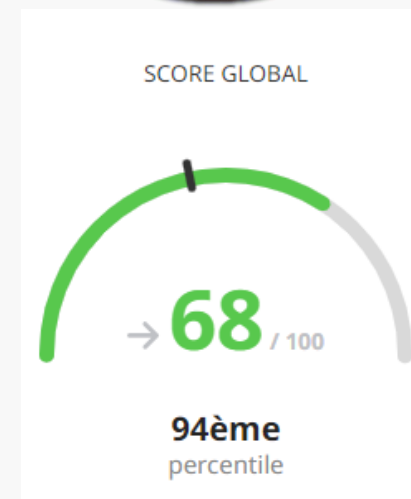
TECHNAX LABORATORIES

Production lab.



Test lab.

QUALITY / CSR



TECHNAX NPS Score : > 90%



NETWORK





TECHNAX
Quality Welding Solutions

220, rue Ferdinand Perrier
69800 Saint-Priest / FRANCE
Tél. : +33 (0)4 78 90 01 61
technax@technax.com
www.technax.com