

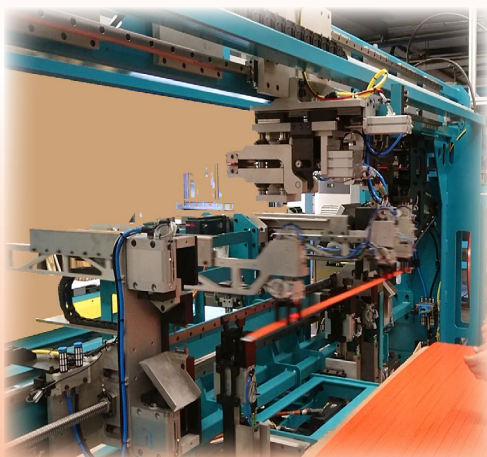


## FLAT CABLE CUTTING AND BENDING (Busbar type)

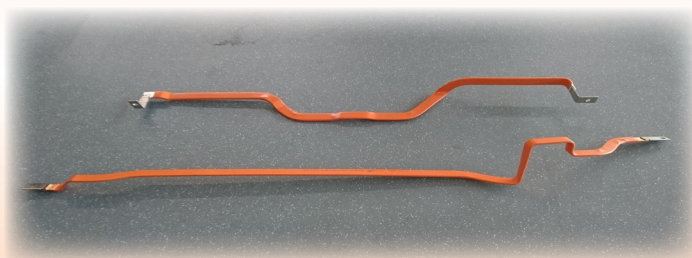
### MACHINES AND TOOLS FOR THE PRODUCTION OF BENT AND SHAPED FLAT CABLES

- The electrical vehicles have led to a new family of products intended for integration in the battery packs of the cars
- These cables must be cut, stripped and bend on the 3 axes X, Y et Z

### CUTTING MACHINE FOR COPPER OR ALUMINUM FLAT CABLE



- Cutting and stripping of flat cables (copper or aluminum from 25 to 200mm<sup>2</sup>)
- Evacuation of the cables into a host machine for end contacts welding



Examples of cables bent on X Y and Z

### CABLE MANAGEMENT

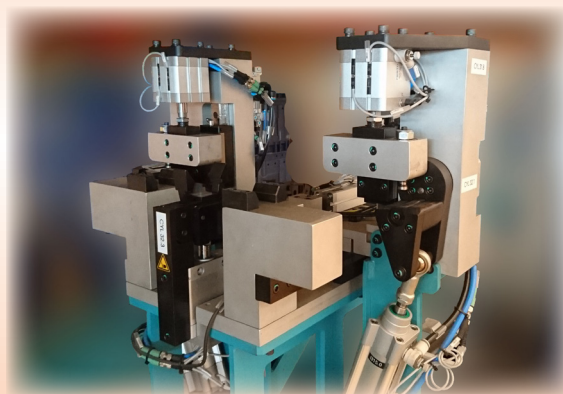
- Cutting on standard SEREC machine
- Cable ends stripping operation possible with an additional transfer machine
- Optional punching of the ends
- After cutting, evacuation on a receiving chute or directly into a host machine
- Maximum rate 400 cables per hour

### BENDING MODULE INTEGRABLE INTO A BENDING TRANSFER MACHINE

- Two module families
  - XY bending module equipped with an axis motor allowing numerically controlled bending
  - Z bending module generally consisting of pneumatically actuated forming stamps and dies
- Association of the modules for progressive bending, fold after fold
- Cable displacement from one step to another by a manipulator or by manual positioning in the modules



Numerically controlled XY bending module



Pneumatically controlled Z bending module