Differential circuit breakers

The equipment does the final assembly of the differential circuit breaker for industrial and house switchgears. It is composed of standard modules.

The process includes operations of riveting and laser welding of different circuit breakers types (depending on the electric power).

A motorized conveyor belt, positioned across the modules, links the several stations and transfers the parts throughout the whole production process. The parts are fed directly onto the motorized conveyor belt without any need of pallet nor fixture.
Process short description:

- Mechanic and magnetic control
- Riveting
- Thermic parameters setting
- Thermic parameters check
- Coupling and finishing process
- Dielectric parameters control
- Side laser marking
- Front laser marking
- Pad printing
- Visual control