

Cleaning of steel components before heat treatment

Degreasing after quenching

Case study in :



France

A French manufacturer of fasteners and assembly components in aircraft market called on MecanoLav to clean steel components before heat treatment.



- Efficient **degreasing** of **batch parts**
- **Clean parts with different geometries**
- Perfect **drying**



Automatic process

- **Multi-tank** cleaning - 3 baths [wash and 2 rinses]
- Washing and rinsing phase in a **closed circuit with filtration**
- Fixed spraying tools and rotating basket holder for efficient parts washing and rinsing
- Integration of a **loader** with **lifting table** adapted to the robot for basket loading
- Different **cycles** can be selected for different types of parts



Capacity

- Machine capacity: **1300 x 1300 x H 800**
- **Cycle time** approx. **30 minutes**
- One basket per cycle, up to **270 parts** on 3 basket levels
- Loading station designed to fit loader and basket



Additional equipments

- Work chamber insulation
- Vapor treatment through a **condenser**
- **Degreaser** treating pollutants [Wash tank]
- **Oil separator** for treating oil from water [Rinse tank 1]
- Programmable logic controller with **display, input/output** and **traceability management options**