

CASE STUDY



Precision cleaning of turned parts

Machine: EgaClean 4100
Industrial sector: Turned parts / 123



- Industry:** Turned parts industry
- Cleaning problem:** Degreasing and removal of chips
- Soiling:** Mineral oil, chips
- Solution:** Cleaning under vacuum with non-chlorinated AIII hydrocarbon
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| Phase 1: | Immerse cleaning with ultrasonics | 70°C | 2 min. |
| Phase 2: | Immerse cleaning and filtration | 70°C | 2 min. |
| Phase 3: | Vapour phase | 85°C | 4 min. |
| Phase 4: | Vacuum drying | 60°C | 2 min. |
- Approx. cycle time: 12 min.
- Capacity:** 100 kg baskets with automatic conveyor
- Requested quality:** Degreased parts, free of chips and protected against corrosion
- Return on investment:** The equipment replaces the manual cleaning and cleaning by a sub-contractor.
- Characteristics of the application:** The equipment degreases the parts and the remaining solvent film (nano film; is not a grease film) protects parts against corrosion for approx. 1 month. In addition to the cleaning, in only 4 Min, the machine allows the drying of nickel plated parts that have been rinsed with tap water. These dried parts are protected against corrosion by the film remaining on the parts after the immersion cleaning in solvent and the vacuum drying.