

## CASE STUDY



### Precision cleaning of plastic parts

Machine: EgaClean 4200  
Industrial sector: Plastics processing / 128



- Industry:** Plastic die casting for the automobile industry
- Cleaning problem:** Replacement of a water-based cleaning machine for the removal of particles after lapping process
- Soiling:** Lapping oil, particles
- Solution:** Cleaning under vacuum with non-chlorinated isoparaffin (A3), vacuum drying
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|----------|--------------------------------------|--------|
| Phase 1: | Immersion cleaning with ultrasonics  | 65°C   |
| Phase 2: | Flooding with solvent and filtration | 65°C   |
| Phase 3: | Vapour phase                         | 85°C   |
| Phase 4: | Vacuum drying                        | 5 mbar |
- Approx. cycle time: 12 min.
- Capacity:** 5 charges per hour, 100 litre volume per basket
- Requested quality:** The parts are required to be free from oil and particles
- Return on investment:** The cleaning machine's productivity has allowed for a quadruplication of the cleaning capacity
- Special feature of the application:** Parts need to be free from particles in order to guarantee the correct function of the fuel injection pumps.