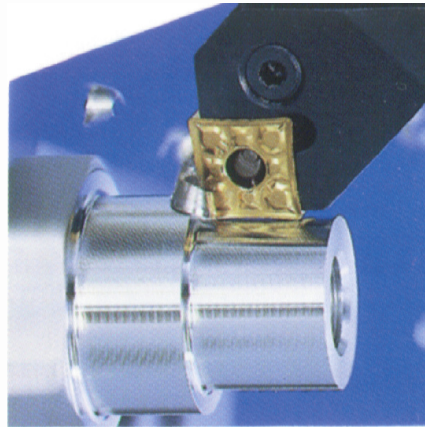


## CASE STUDY



### Precision cleaning prior to vacuum coating

Machine: EGAclean 4100 / Industrial sector: Tool coating / 171



- Industry:** Industry for carbide tools
- Cleaning problem:** Replacement of a chlorinated solvent machine (AII) for intermediate and final cleaning
- Soiling:** Cooling lubricants and abrasions leftover after sand blasting
- Solution:** Cleaning under vacuum with non-chlorinated AIII hydrocarbon
- |          |                                   |      |        |
|----------|-----------------------------------|------|--------|
| Phase 1: | Immerse cleaning                  | 65°C | 2 min. |
| Phase 2: | Immerse cleaning with ultrasonics | 62°C | 3 min. |
| Phase 3: | Vapour phase                      | 90°C | 4 min. |
| Phase 4: | Vacuum drying                     | 60°C | 5 min. |
- Approx. cycle time: 14 min.
- Requested quality:** Precision cleaning prior to CVD coating
- Return on investment:** The cleaning quality has been improved. Operating costs, the expenditure of human labour as well as the solvent consumption are lower. The machine complies with legal requirements (SUVA and EU).
- Characteristics of the application:** Carbide tools can be coated (CVD) without any further water-based cleaning. This excludes the risk of corrosion.

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