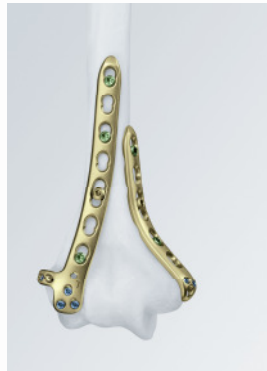


CASE STUDY



Precision cleaning of implants

Machine: EgaClean 4100
Industrial sector: Medical implants / 132



Industry:	Medical implants
Cleaning problem:	Removal of chips and mineral oil from implants after the turning process.
Soiling:	Mineral oil, chips
Solution:	Cleaning under vacuum with non-chlorinated AIII hydrocarbon Phase 1: Immersion cleaning with ultrasonics (tank 1) 70°C 2 min. Phase 2: Immersion cleaning with filtration (tank 1) 70°C 1 min. Phase 3: Immersion cleaning with ultrasonics (tank 2) 62°C 2 min. Phase 4: Immersion cleaning with filtration (tank 2) 62°C 1 min. Phase 5: Vapour phase 85°C 2 min. Phase 6: Vacuum drying 60°C 2 min. Approx. cycle time: 12 min.
Capacity:	Basket dimensions 520 x 320 x 200 mm, max. 50kg
Requested quality:	Degreased parts, free of chips
Return on investment:	The equipment provides decentralised, intermediate cleaning as well as final cleaning. Four installations clean the complete production in the various departments.
Special feature of the application:	The high oil drag-in is separated from the solvent by continuous distillation. The consumption of solvent is therefore reduced to a few hundred litres per year.