

Reference project
Injection molding machines
Automotive supplier



Figure 1: injection molding machines during Comprex® cleaning

Cleaning cooling circuits of injection molding machines of various manufacturers

Assignment

- clean the cooling circuit of the injection molding machine with the Comprex® process (Figure 1)
- remove biofilms and deposits from the system
- recover the performance of the system

Technical Data

- cooling system for injection molding machines
 - feed and discharge of the main circuit
 - cooling circuits of individual tools and machinery
 - DN 15 to DN 50
- 21 injection molding machines (Figure 1)
 - producers: Arburg, Ferromatik/Milacron, Hewaco
 - various types and models

Cleaning using the Comprex® process

- mechanical cleaning by defined application of compressed air from Comprex® unit (Figure 3)
- successive cleaning of the system
 - feed and discharge of the main supply line with temporary bypass
 - feed and discharge of the individual machines
 - cooling circuits of the individual injection molding machines
- access via standard adapters (Figure 3)
- monitoring of cleaning progress via turbidity with inspection glass (Figure 4)
- shift work, 3 technicians per shift, 32 hours on site

Result of Comprex® cleaning

- deposits and biofilms are mobilized and removed from the system (Figure 4 and Figure 5)
- original performance recovered
- efficient and reliable operation



Figure 2: Comprex® on duty



Figure 3: connection via adapters and distributor



Figure 4: turbidity during cleaning



Figure 5: mobilized deposits at discharge point