HAMMANN
Comprex® Cleaning
Industrial Services

Reference project
Extruder
Plastics processing

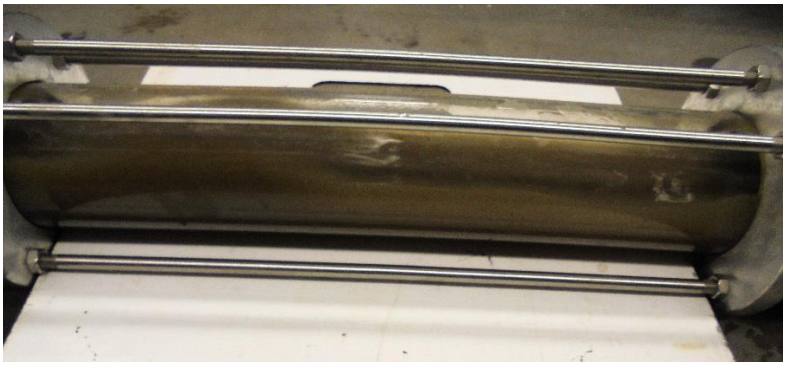

Figure 1: turbidity during cleaning monitored in inspection glass

Cleaning of a cooling system with 10 extruders at a manufacturer of plastic profiles

Assignment

- clean the feed of the main and connection pipes to extruders with Comprex®
- remove deposits and impurities from the system (Figure 1)
- recover system performance

Technical Data

- cooling system with:
  - cooling tower
  - feed and discharge of the main circuit
  - connection pipes to 10 coolings for extruders and cylinders
  - materials PE, PVC and copper
  - diameter up to DN 65
  - cooling medium rain water
- permitted pressure of the system approx. 4 bar

Cleaning using the Comprex® process

- mechanical cleaning by defined application of compressed air from Comprex® unit
- successive procedure by cleaning individual lines via distributor
- central feed of air and water via adapters (Figure 2)
- discharge of air and rinse water via several parallel pipes (Figure 3)
- discharge of rinse water via distributor (Figure 4)
- monitoring the progress of cleaning by turbidity via inspection glass (Figure 1)
- 2 technicians, 10 hours on site

Result of Comprex® cleaning

- deposits and coarse particles are mobilized and discharged from the system (Figure 1 and Figure 5)
- cooling performance recovered
- efficient and reliable operation ensured

Figure 2: central feed of air and water into a shaft

Figure 3: discharge via parallel connections

Figure 4: distributor for discharge

Figure 5: discharged coarse particles in inspection glass during cleaning

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