



Reference project/application



Extraction solution for multiple
laser processing stations



Situation/challenge

- 1 x laser cutting with two DN-50 connections (ACSYS Shark Cut F15)
- 8 x laser engraving, each with a DN-50 connection (Datalogic VLASE 1209-1442)
- All eight machines for laser engraving should be connected to an extraction system, and if possible also the laser cutting machine



Solution

- Utilization of an LAS 800 extraction system for laser fume and dust
- Piping and commissioning were done by local dealers
 - > 8 x 80-120 m³/h volume flow for all laser markers
 - > 2 x 80-120 m³/h volume flow for the laser cutting system
 - > 800-1,200 m³/h volume flow for all systems together



User benefits

- Air volume is automatically adapted to requirements as not all laser systems are always in operation at the same time (negative pressure maintenance)
- Significant improvement in air quality in the processing rooms
- No noise pollution from the extraction and filtration system, as it operates very quietly

