



Reference project/application



Extraction solution for
cleaning tables and band saws



Situation/challenge

- After metal-based 3D printing, the printed items are separated by a band saw and cleaned of metal particles
- Most of the metal is not oxidized, which can result in an explosive atmosphere



Solution

- Capturing of the saw dust directly at the DN100 extraction connection
- Pollutant capture during cleaning using two extraction tables (length 1.5 m) in ATEX design
- All capturing elements (1 X saw + 2 X tables) are interconnected by a main line
- Filtration is executed by Holtrop wet separators
- The filtered air is released to the outside



User benefits

- Effective and large-area pollutant capture using a suction table (flow speed 1..2 m/s)
- Effective pollutant capture directly on the band saw
- Safe handling of potentially explosive dusts
- Central separation of the extracted dust in the wet separator

