

**WE
VACUUM
EVERYTHING**



**POWDER
HANDLING FOR
METAL
3D PRINTING**
Vacuuming of
metal powder handling

TASK

The customer uses laser beam melting or selective laser melting (SLM) and laser metal deposition (DMD) as core processes. In the SLM systems, the excess (and valuable) powder is removed from the machine's working space after each printing process so that it can be sieved and reused again. The print chamber is then vacuumed using a wet separator.



SPECIAL FEATURE

- | NA35 wet separator is used on the SLM systems.
- | When the 3D operator vacuums the working area of a system, the suction medium is first channelled into a container with liquid.
- | The powder becomes wet and sediments into the liquid.

ADVANTAGES

- | The air that may be contaminated with residual particles is separated in filter cartridges dust class H.

OUR SOLUTION

Wet separator Type NA35

- | Housing: GRP
- | Motor power: 4,0 kW
- | Air Flow: 350 m³h
- | Residual filter: 3,2m² Dust class H