

3D Printing of Metal Components Powder Lab

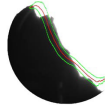
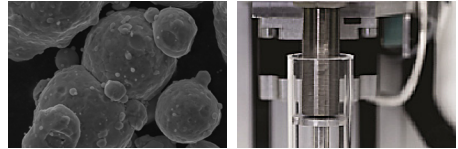
What is the best way to handle 3D printing powder and how does powder quality affect the properties of a printed component?

To answer these questions, powder manufacturers and additive manufacturing service providers will want to know about Laborelec's brand-new powder lab.

The lab offers a complete set of characterization techniques, as well as deposition and production testing using a flexible selective laser melting machine to provide data on the condition of a powder batch and its behaviour in the additive manufacturing (AM) process.

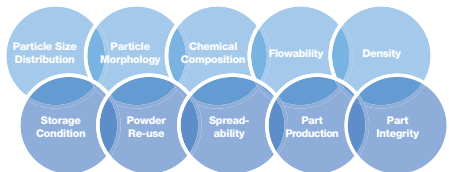
Powder characterisation testing, conducted according to ASTM norms, results in a product factsheet with full information on:

- ♥ overall powder quality
- ♥ predicted final component quality
- ♥ extended characterisation, including:
 - dynamic powder behaviour
 - powder storage
 - moisture
 - shape factor



Powder is tested new, used or after poor storage conditions. Analysis results in Guidelines on the use of certain powder batches, covering factors such as:

- ♥ shelf-life
- ♥ storage conditions
- ♥ re-use
- ♥ health and safety



Would you like to know more?

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Five reasons for you to choose Laborelec

- Wide-ranging technical expertise in electricity generation, grids, and end-use
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- Unique combination of contract research and operational assistance
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- More than 50 years of experience

