

Application example

Powder processing continuously integrated

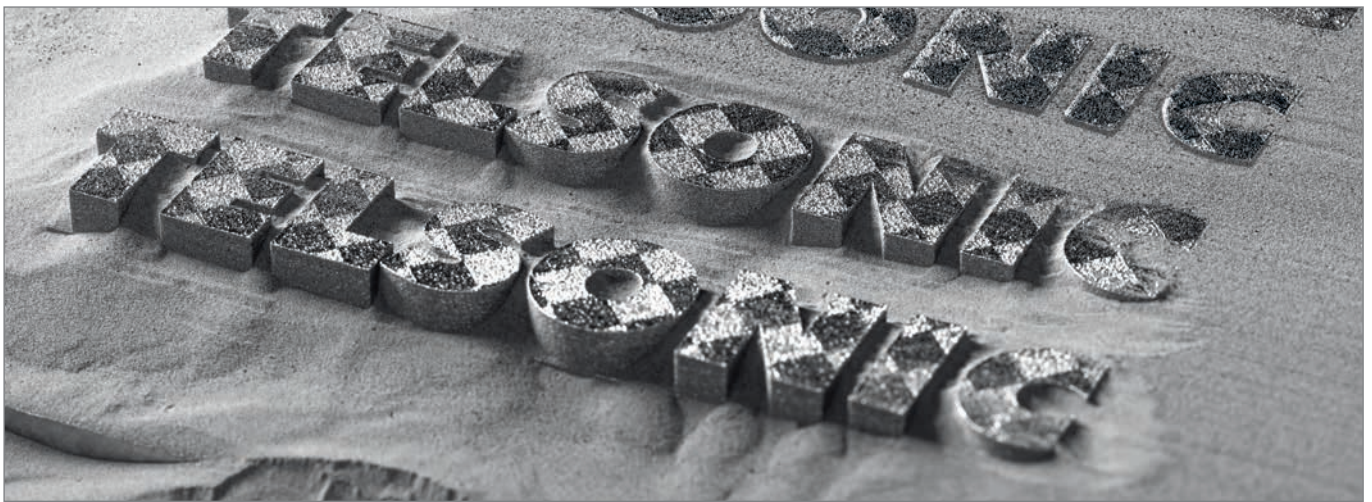
PLASTIC WELDING

METAL WELDING

CUTTING

CLEANING

SIEVING



Sieving in powder circuits with the SG4L pro generator

Task

The highest component quality requires the consistent removal of weld spatters and agglomerations that are produced in the additive manufacturing process.

Solution

By integrating SONOSCREEN®easy components, the task can be demonstrably solved.

The small screens, which are specially adapted to the customer's needs, are permanently excited. This high-frequency vibration on the screen reliably screens out weld spatters and agglomerations.

Advantages of this configuration

By using ultrasonic components, sieving can be carried out without additional low-frequency vibration.

The compact design saves space, and the screens can be closely integrated into the internal circuits.

The high separation efficiency and good powder yield resulting from sieving increases component quality and reduces the reject powder rate.