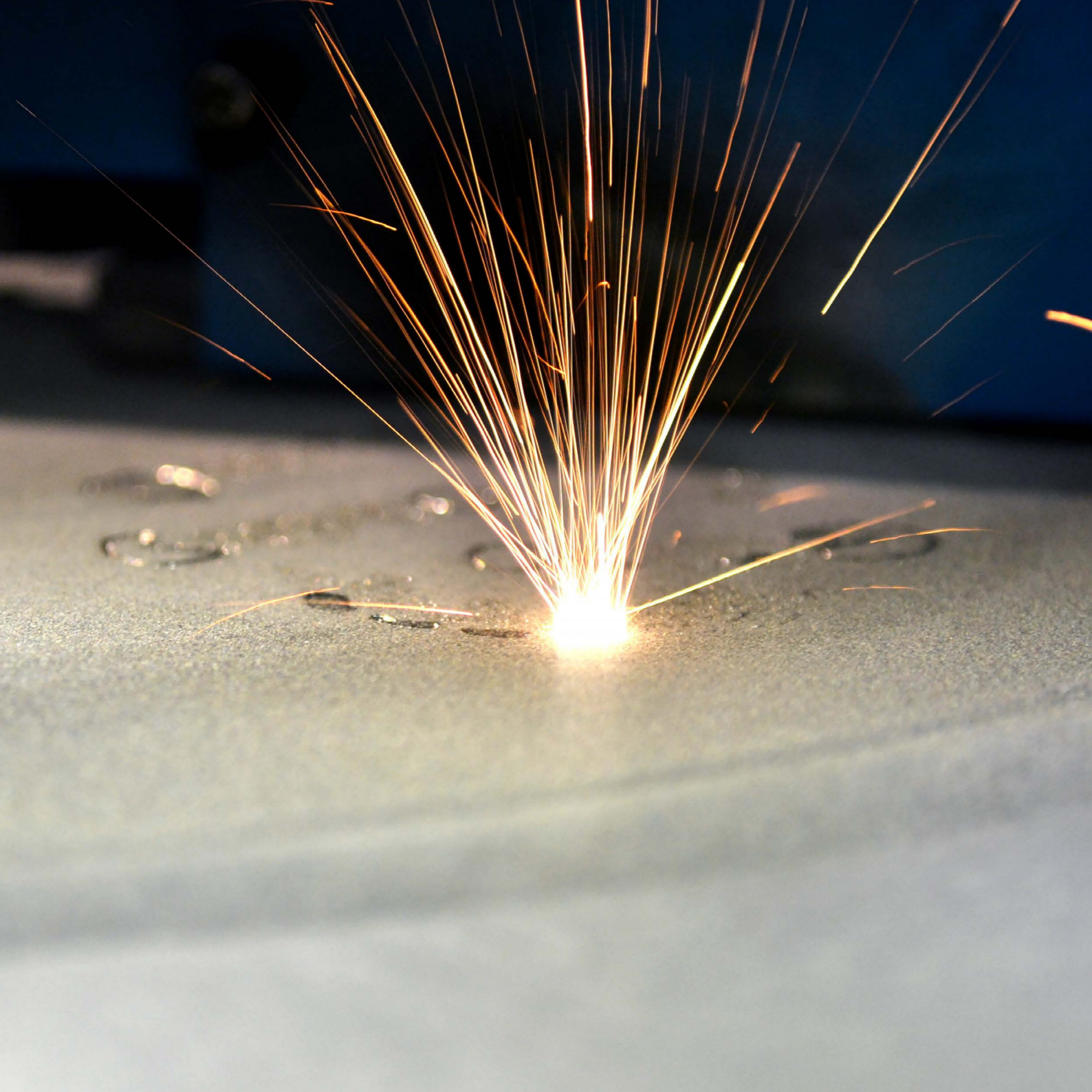




SOLUTIONS FOR **AM**



# POWDER CHALLENGES IN **AM**

- ... cost of material
- ... consistent powder quality
- ... work place safety, health considerations
- ... reduction of manual work
- ... safe atmosphere for reactive powders
- ... interfaces at AM machines
- ... legal framework for hazardous substances

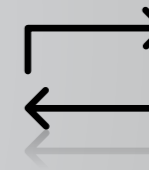




# WHAT WE OFFER



Sieving and conditioning  
of used powder under  
inert atmosphere



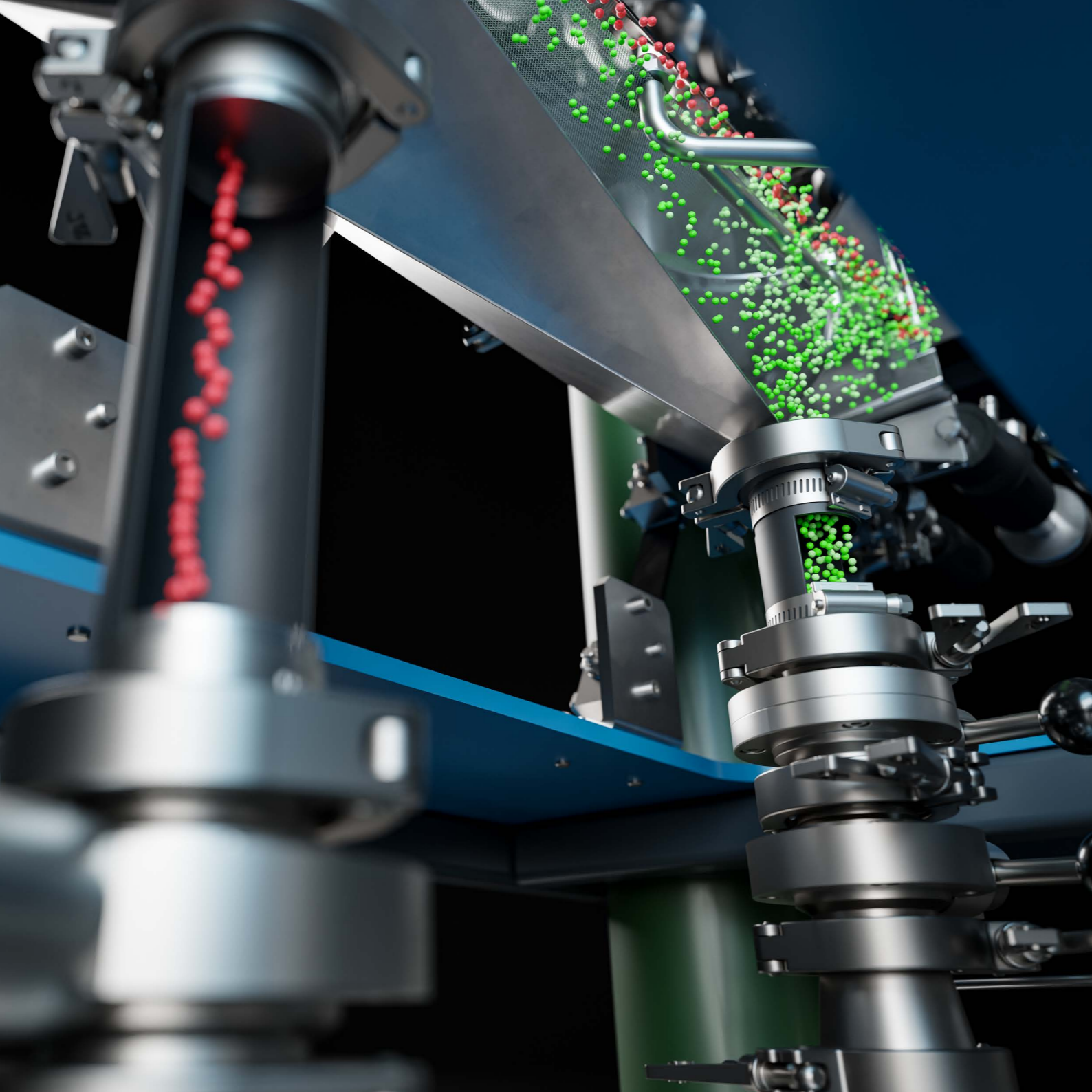
Automated and  
continuous  
powder cycle



Special features like  
the Powder Sampling  
Module



Everything in a clean  
and safe working  
environment



# WHY WORK WITH US



## Healthy workplace

Dangerous and harmful dust is extracted efficiently and safely, ensuring a healthy work environment.



## Automation and quality

Automated powder management and parts handling, especially in serial production, saves time and increases quality.



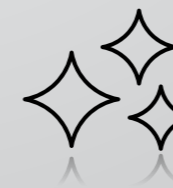
## Sustainability and cost-reduction

Up to 90 % of valuable powder is often wasted during SLM additive manufacturing. Reused powder saves substantial material cost.



## Safety

The explosion risk of reactive powders is significantly reduced by operating in an inert atmosphere. The systems conform to ATEX safety standards.



## Clean and lean

The workplace is kept free of powder residues. The clean environment guarantees the reduction of maintenance operations and costs.



# OUR SCREENERS



## MSS 150

### APPLICATION

Small safety screenings for powder quantities up to 40 kg per batch. Mesh sizes starting with 20 µm.

### KEY FIGURES

- Ca. 100 kg / h 316L at 63 µm
- Ca. 25 kg / h AISi10Mg at 63 µm
- Possibility of inert atmosphere usage and oxygen regulation
- ATEX certification possible
- Small footprint
- Stand alone machine



## CSM 300

### APPLICATION

Medium sized powder quantities with continuous coarse grain discharge. Mesh sizes starting with 20 µm.

### KEY FIGURES

- Ca. 200 kg / h 316L at 63 µm
- Ca. 50 kg / h AISi10Mg at 63 µm
- Possibility of inert atmosphere usage
- ATEX certification possible
- Small footprint
- Stand alone machine



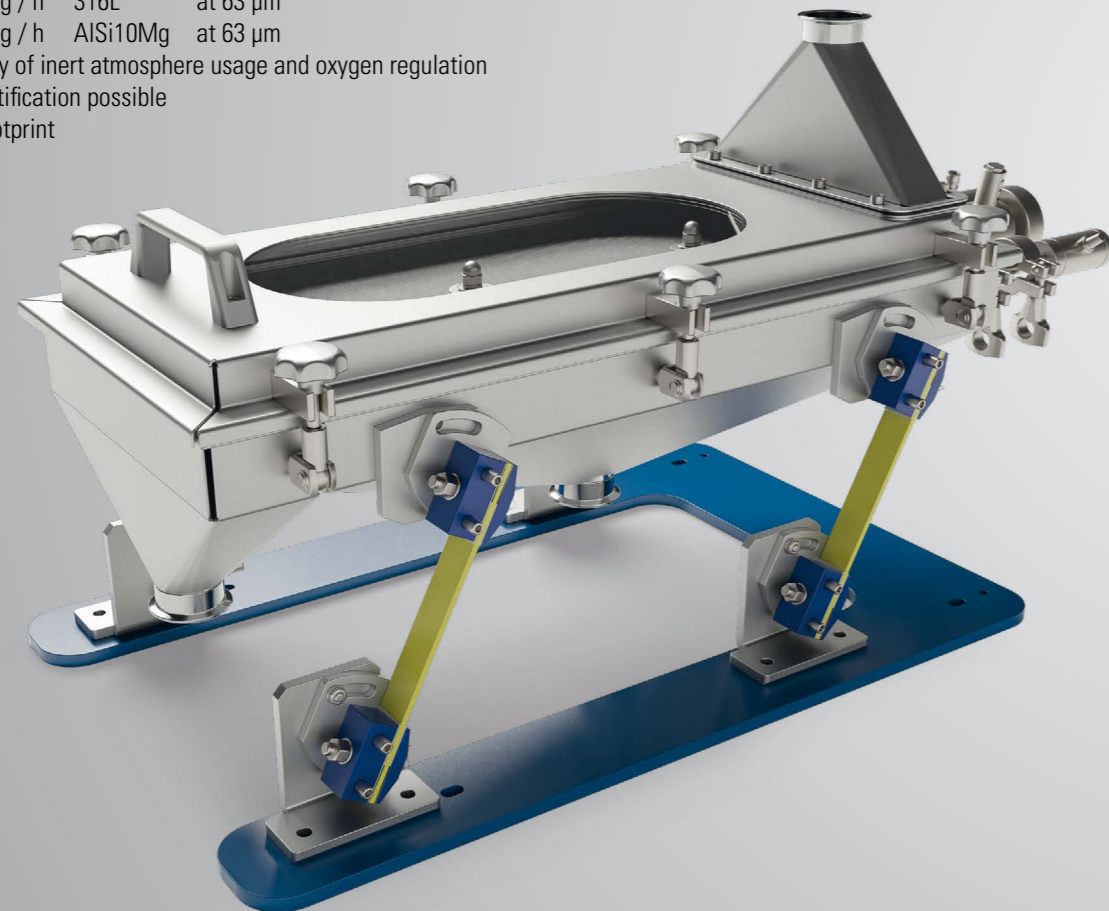
## CSM 500

### APPLICATION

Medium sized powder quantities with continuous coarse grain discharge. Mesh sizes starting with 20  $\mu\text{m}$ .

### KEY FIGURES

- Ca. 400 kg / h 316L at 63  $\mu\text{m}$
- Ca. 100 kg / h AlSi10Mg at 63  $\mu\text{m}$
- Possibility of inert atmosphere usage and oxygen regulation
- ATEX certification possible
- Small footprint



## SPC & SPC light

### APPLICATION

The all-embracing industry solution for big powder quantities and a high efficiency. Processed powder extraction, fresh powder feed.

### KEY FIGURES

- Ca. 400 kg / h 316L at 63  $\mu\text{m}$
- Ca. 100 kg / h AlSi10Mg at 63  $\mu\text{m}$
- Closed powder loop with AM machine
- Possibility of inert atmosphere usage and oxygen regulation
- ATEX certification possible
- Small footprint



# Auxiliary Equipment



## CONNECTORS

e.g. TriClamp 50 to ISO KF 40



## ADAPTERS

e.g. for WHF 150 to ISO KF 40



## BOTTLES

e.g. 1,3l / 2,8l / 6 liters



## CLAMPS

e.g. for ISO KF 40



## SEALS

e.g. for ISO KF 40