

# Ultrasonic Sieve Insert (US06)

## Powder processing for highest quality demands

The integrated ultrasonic sieve US06 conditions, cleans and loosens the reclaimed or virgin powder as the material enter the OptiSpeeder.

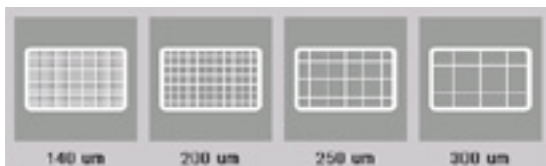
You select whether you want to sieve your fresh powder, clean your reclaimed powder or process both types.

The optimized US06 sieve oscillation technology puts the sieve into a constant vibrating mode within a selected  $\mu\text{m}$  range. The perfectly conditioned powder supports the achievement of excellent coating results.



### **Advantages of the ultrasonic sieve (US06)**

- Preconditions and loosens powder agglomerations
- Dirt particles and fibers removed in process
- Excellent sieving performance and powder flow with all mesh sizes
- Perfect system integration into the OptiCenter®
- Ergonomic and easy access for the cleaning process
- ATEX-certified (dust approval)

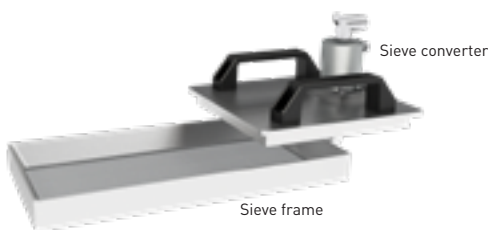


## Systemintegration into OptiCenter

The intuitive graphic user interface of the OptiCenter guides the operator through the coating process.

Customers using a sieve insert with different mesh sizes can select the specific type or size on the screen

The OptiCenter control automatically operates the sieve in the most efficient vibrating mode



## System components

### Sieve converter

- Approval  $\text{CE}$  II 2 D
- Nominal frequency 35 kHz
- Protection class IP65



### Sieve frame

- Standard mesh size 250  $\mu\text{m}$
- Other mesh sizes on demand (140  $\mu\text{m}$ , 200  $\mu\text{m}$ , 300  $\mu\text{m}$ )
- Max. sieve performance with 250  $\mu\text{m}$  3 – 4 kg/min (depending on powder)



### Sieve generator

- Approval  $\text{CE}$  II 3 D
- Powder consumption max. 100 W
- Ambient temperature 0  $^{\circ}\text{C}$  – +45  $^{\circ}\text{C}$  (32  $^{\circ}\text{F}$  – +113  $^{\circ}\text{F}$ )
- Protection type IP65



Gema Switzerland reserves the right to make technical changes without notice!