Ultrasonic Sieve Insert
(US07/US07-01)

Powder processing for highest quality demands

The ultrasonic sieve insert US07 screens and loosens the powder and removes all foreign objects before it falls into the powder container of the OptiCenter All-in-One series OC06, OC10, OC11 and OptiCenter OC07, OC08 as well as OC09 and prepares it for excellent coating results. Screening is carried out as required for fresh and/or recycled powder.

An ultrasonic generator sets the free-swinging sieve frame in uniform motion and enables gentle sieving free of any hotspots.

Advantages of the UltraSonic sieve (US07/US07-01)

- Improved application efficiency
- Dissolving and loosening of powder accumulations
- Substantial powder savings
- Retention of dirt particles and fibres
- Self-explanatory sieve activation via the OptiControl control system
- Optimized sieve solution for OptiCenter
- Coupling-free integration into the powder container, so that screening is free-swinging and highly efficient
- Controlled sieve frequency
- Different mesh sizes available
- Ergonomic and easy access for cleaning the complete sieve insert
- ATEX certified (dust approval)

US07 integrated in OptiSpeeder powder hopper

The US07 is compatible with the OptiCenter All-in-One series OC06, OC10 and OC11 as well as OptiCenter OC07 and OC08.
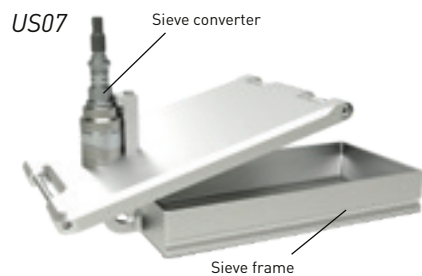

The US07-01 is used in OptiCenter OC09.

Your global partner for high quality powder coating
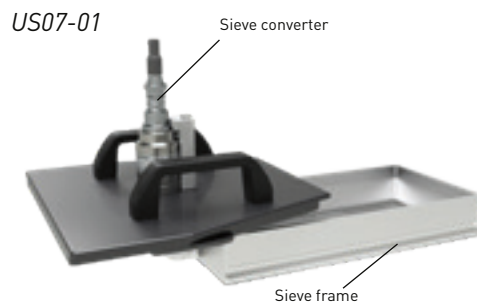
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Integrated operation

The operation of the OptiCenter is intuitive and takes place via the 7" touch screen of the integrated OptiControl control. The ultrasonic sieve is activated or deactivated at the touch of a button.

System components for US07 and US07-01

US07

Sieve converter

Sieve frame

Sieve converter
- Approval CE II 2 D
- Nominal frequency 33 – 37 kHz
- Protection class IP64

US07-01

Sieve converter

Sieve frame

Sieve frame
- Standard mesh size 250 µm
- Throughput maximum at 250 µm mesh size
  3 – 4 kg/min (depending on type of powder)
- Further mesh sizes on request

Sieve generator
- Approval CE II 3 D
- Ultrasonic performance max. 100 W
- Ambient temperature 0 °C – 45 °C (32 °F – 113 °F)
- Protection class IP54 (in installed form)

Sieve generator

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

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