SAFETY
Our solutions meet extremely high safety standards. ATEX certification is available on request, if desired by the customer.

EFFICIENCY
Improved sieving result: virtually 100% of the fine material is captured and automatically filled into the designated containers.

THE SIEVING SPEED
Our sieving machines use high-frequency ultrasound excitation and a low-frequency vibrator to ensure a high material throughput.

COST EFFICIENCY
Our solutions are sophisticated yet straightforward. Standard components are used to achieve top functionality paired with low operating costs.

CONTROL
The entire sieving process can be controlled and regulated. Residual oxygen monitoring is optionally available.

EASY HANDLING
All our sieving machines are easy to clean and convenient to use. We produce sieves individually and they can be replaced as needed.

COMPATIBLE WITH ALL MODEL VERSIONS OF TRUPRINT 1000
SONIC SPEED SCREEN MSS 1000
Sieving machine with Sonic Speed Screen Technology

Your customer benefits
The tried-and-tested assonic sieve technology has been upgraded to meet the requirements of a closed, inert powder process chain combined with the TRUMPF TruPrint 1000.

The solution allows for a continuous, closed powder flow that is optionally available as an inert solution, thanks to the option to use protective gas.

Advantages
- High throughput thanks to excitation using high-frequency ultrasound and a low-frequency vibrator
- Closed powder handling along the TruPrint 1000 process chain via Glovebox
- Cost efficient sieving: no operator involvement during the sieving process, thanks to continuous powder dispensing
- Automatic sieving of up to 6 l of powder using the integrated feeding hopper
- High degree of flexibility as powder can alternatively be fed in from bottles using the standard clamp connection on the outside
- Low operating costs thanks to standard analysis sieves
- Worry-free package – the required accessories are included in delivery

Technical specifications
Includes: Sieving machine with ultrasonic excitation and Glovebox operation via a 7 inch touch panel
Content: Sieving machine, analysis sieves (freely selectable mesh widths of 43, 65 and 73 µm, for example)
Accessories: Adapter ring, valve cylinder
Dimensions: W 760 mm x D 395 mm x H 1780 mm
Weight: 120 kg
Protective gas: argon or nitrogen
Operation: via 7 inch touch panel
Connection: 230 V (Schuko plug)

Workflow
Closed powder handling in three steps

1) The overflow tank is closed before removal
2) The Glovebox can be optionally flooded in advance. The powder is fed into the Glovebox through a hopper. The powder is sieved into the valve cylinder
3) The valve cylinder is placed in the Glovebox. The chamber can be optionally flooded with protective gas before opening the bottle.

Technical specifications
- Standard TriClamp 1 ½” disk valves
- HEPA filter gas outlet
- Powder feeding using a hopper or optionally a tube from above
- Ergonomic operating height
- Touch panel operation
- Two separate chambers for maximum cleanliness and easy cleaning
- Electrical connection by means of a Schuko plug (230 V)
- TruPrint 1000 valve cylinder
- O₂ sensor for residual oxygen monitoring

Workflow
Closed powder handling in three steps

1) The overflow tank is closed before removal
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