

The Rösler multi-tumbler shot blast system - model RMT 3

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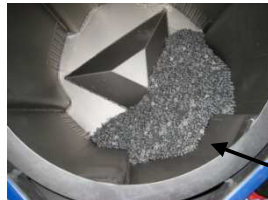
An excellent solution for small part blast cleaning & peening

The Rösler multi-tumbler shot blast systems combine many smart design features with the use of proven key components. This guarantees excellent performance and high equipment reliability for the most challenging shot blast applications.

The RMT 3 is characterized by its rugged and compact design, its comprehensive safety features and its wide range of blast applications.

Applications

- Blast cleaning
- Core sand removal
- Decorative blasting
- Deburring
- Paint and coating preparation
- Shot peening



The three-sided pyramid in the bottom of the tumbling barrel generates intensive tumbling action with excellent mixing of the parts and, therefore, produces excellent blast results



Tumbling barrel made from wear resistant manganese steel



RMT 3 in load position

The RMT 3 multi-tumbler is the ideal shot blast machine for blast cleaning/peening of mass produced small parts with a minimum size of 2.5 mm. Of course, the RMT 3 also allows the efficient and economical processing of larger and relatively robust work pieces.

Multi-tumbler shot blast machines can be used as stand-alone units or by adding sophisticated parts-loading and –unloading equipment they can be upgraded to fully automatic blast systems.

The range of parts loading/unloading equipment for fully automatic operation includes vibratory parts hoppers, conveyor belts, rotary storage tables, etc.

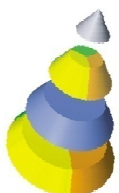
To ensure consistent and repeatable shot blast results, the RMT 3 can be equipped with optional components like the automatic blast media replenishment system and a media flow control (monitoring) device.



Elevator with automatic blast media replenisher



Encapsulated blast media dosing system from media hopper to blast wheel reduces the operating noise



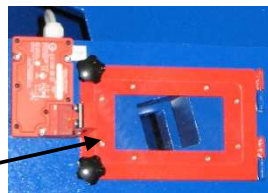
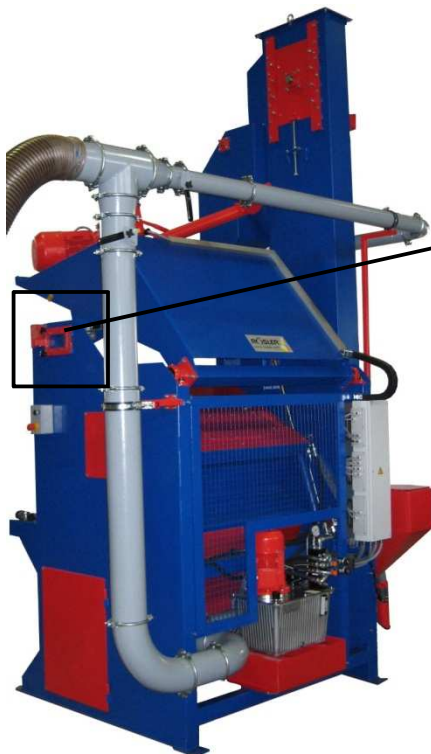
Rösler multi-tumbler RMT 3 – A small machine with big features

Features

- Gap-free tumbling barrel prevents lodging of parts irrespective of their size
- Parts can freely tumble; therefore, parts cannot be damaged
- Tumbling barrel is completely encapsulated; no blast media spillage
- No extra wear liners required
- Wear parts requirements limited to the blast wheel components
- Proven Rösler Hurricane® direct drive blast wheel
- Easy and quick replacement of throwing blades
- Wheel position guarantees optimum blast coverage in the tumbling barrel
- Completely encapsulated media transfer from hopper to blast wheel reduces operating noise
- Blast wheels with different horse power available
- Media throwing speed up to 80 m (250 ft)/sec; media throughput up to 250 kg (550 lbs)/min



Adjustable air-flow media pre-cleaner below the barrel housing removes flashes from the parts and other impurities from the blast media



Electrical safety lock prevents door from closing accidentally

Technical highlights

Power of the rotary barrel drive	0,75 kW (1.00 HP)
Diameter of tumbling barrel	740 mm (29")
Usable volume	85 Liter (3.0 cuft)
Max. Parts load	200 kg (440 lbs)
Smallest parts (measured diagonally)	> 2.5 mm (0.1")
Unload angle of tumbling barrel	15 °

The RMT tumbling barrel is fabricated from manganese steel segments. The rounded tumbling ridges on the barrel wall combined with the three-sided pyramid in the barrel bottom ensure the ideal tumbling and mixing of the parts load in the barrel.

The gap-free design of the tumbling barrel prevents lodging of even the smallest parts and, therefore, guarantees 100% batch integrity with no danger of parts from different batches getting mixed.



Replace "sieve" with "media drain"

The replaceable media drains in the bottom of the tumbling barrel are easily accessible and they can be quickly dismantled and replaced from the outside of the barrel. Depending on the parts shape and size the drain holes are available in different geometrical shapes like simple round holes and oblong or curved ("smiley") slots.

RÖSLER[®]

Oberflächentechnik GmbH
Vorstadt 1
D-96190 Untermerzbach
Tel.: +49 (0) 95 33 / 92 4-0
Fax: +49 (0) 95 33 / 92 4-300
info@rosler.com
www.rosler.com