

Rosler RM620 Finishing Bowl



Stock No	VF2554
Manufacturer	Rosler
Model	RM620
Year of Manufacture	1998
Serial	19780 / 98-08
Condition	From a working environment, Excellent Condition
Capacity	620Litres
Type	Vibratory Bowl
Other Info	Available as a Cell with 4 bowls & Dryer
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	Ø1700mm x 1200mm Tall

Description

“R”...Rotary Vibrators are flat bottom rotary vibrators which are perfect for treating large and bulky as well as delicate parts. The flat bottom ensures a perfect immersion of the parts into the media mass. Bottom unload plugs allow complete evacuation of the work bowl and external separation of media from parts. Comes with a control panel and dosing unit.

- The flat bottom work bowl of the R series enables the processing of large volumes and bulky work pieces as well as sensitive work pieces through optimal work piece embedding,

- By using fan dividers even particularly sensitive work can be processed in the individual chambers

Principles of vibratory finishing

- Vibratory surface finishing takes place in a work bowl placed on coil springs. The vibratory energy is induced by a special vibratory motor that is mounted in the center of the work bowl. The vibration creates the typical “relative” movement of media against parts. The continuous feeding of water and compound – also known as soap – supports the finishing process.

Applications

- Rotary vibrators are extremely flexible and versatile mass finishing systems. Applications include: De-burring, grinding, radiusing, general parts cleaning, de-scaling, de-greasing and polishing of stampings, castings, formed, forged and saw-cut parts as well as machined components.
- Vibratory finishing can be used for all metals, many plastics, ceramics, rubber, wood, stone and glass and can help to achieve a wide range of objectives. Excellent results can be obtained for highly delicate and small components as well as for larger mass made and robust components. Benefits of multi batch systems:

The bulk discharge principle lends itself to one of three process types:

1/ Part on Part processing:

- This is where the parts to be processed are placed in the bowl without any media to effect either a deburring action for such products as stampings or burnishing for part on part polishing. After processing, parts are simply removed in a single action from the unload gate.

2/ Large and delicate parts:

- Where larger parts cannot afford to be impinged against each other, the flat bottom process bowl allows the parts to be manually removed after processing.
- Whilst the machine is running the parts rotate in a spiral motion moving around the bowl. and moving around the channel bringing the part to the surface where they can be easily removed without the need for a separation screen.

3/ Intricate or parts requiring post treatments.

- By discharging the media and the parts together a longer separation screen can be employed to help remove media from such things as trapped holes or for the use of post treatments such as washing and drying with the added advantage of grading the media to reject undersized pieces to keep the system in an optimum processing condition.

Technical details:

- Flat bottom processing channel (i.e. No exit ramp)
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Rösler double-flange dual speed vibratory motor 1500 rpm / 1000 rpm process speed at 50 Hz; easy and safe lubrication of the bearings

- Adjustable imbalance weights allow different grinding intensities
- Wear resistant lining made from hot poured polyurethane
- Media, parts unload plug with integrated effluent drain.
- Flexible design of control panels and compound dosing systems

Process bowl details

- Total volume = 620Litres
- External diameter max. mm 1700
- Process bowl width mm 430
- Average overall length of processing channel 4000mm
- Machine Height mm 1200
- Height media unload plug mm 625mm
- Drive power connected load 4.5 / 7.5kW

Control Panel

- Treatment timer.
- Self start delay timer.
- Run hours meter.
- Dosing pump control.
- Forward and reverse vibrator direction selector switch.
- Isolator switch.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.