



# Walther Trowal: Efficient Coating of O-Rings

The new Rotamat system for small batches allows the efficient coating of work piece volumes from 2 to 15 litres (**Fig. 1**).

At the DKT exhibition Walther Trowal presented the newly designed Rotamat R 60 for coating of mass-produced small parts like, for example, O-rings. This system was specifically developed for users who are increasingly switching to smaller batches and, generally, lower batch volumes. However, the R 60 offers all the features found in its larger “siblings”!

The new Rotamat R 60 is the first coating system on the market that allows efficient processing of work piece volumes between 2 and 15 litres. With a diameter of only 600 mm the drum is ideally suited for small batch volumes. The inclination of the drum is adjustable within a wide angle allowing its adjustment to different work piece geometries. It allows the intensive mixing of the parts in the drum and guarantees complete, optimum coverage by the spray nozzles (**Fig. 2**).

With the new machine Walther Trowal takes into account that in connection with just-in-time requirements many companies generally place purchase orders in smaller work piece quantities. Frank Siegel, sales manager “coating technology” at Walther Trowal is now able to offer the right machine for practically every conceivable application: “Many of our customers want to coat small part batches but do not want to give up the high technical standard we have implemented in our larger units R 60



Figure 1: The new Rotamat system for small batches by Walther Trowal.

and R 90C. With the newly developed R 60 they can now efficiently coat small batches without having to invest in a larger machine.”

For the Rotamat R 60 the Trowal engineers have utilized the proven components of the larger machines: For example, the inlet and exhaust air system, the explosion protected LED lighting inside the drum and the mounting of the drum.

## Details of the innovative features:

- Precise control of the inlet air temperature: the measuring point for the inlet air temperature is immediately at the drum entry. Compared to measuring the temperature with a sensor behind the air heating unit the measurement is now much more direct allowing extremely precise temperature readings.



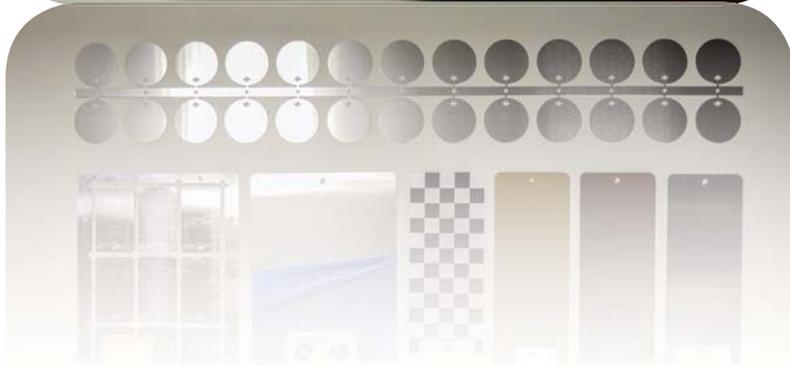
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**Figure 2: With a diameter of only 600 mm the drum is adjustable to different work piece geometries and allows the complete, optimum coverage by the spray nozzles.**

- Eco-friendly operation: for typical applications – today 90% of all customers are using water-based paint – Walther Trowal supplies a specially adapted filtering system. For coating tasks with solvent-based paints the new R 60 – like with the bigger Rotamat units – can be equipped with a four stage exhaust air filtering system with a Papp filter, a filter mat and two pocket filters.
- Low energy requirements: the capacity of the heating unit was adapted to the smaller drum diameter, resulting in considerably lower overall energy requirements. Depending on the technical characteristics of the work pieces and/or paint Walther Trowal can equip the machine with PID or pulse control for the heating unit. The result: Customers can also use paint types that do not allow going over or below certain operating temperatures.

**For further information:**  
[www.walther-trowal.com](http://www.walther-trowal.com) 

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