

## New Rotamat System for Coating Sealing Components for Electric Vehicles

**At the PaintExpo, Walther Trowal introduces its new Rotamat R 100 system for coating elastomer sealing components with anti-friction and decorative lacquers. The new coater can handle workpiece batches three times larger than those processed with its largest predecessor model. One reason for developing this new machine was that many job shop coating companies were asking for a system that could handle large batches of big, flat sealing components.**

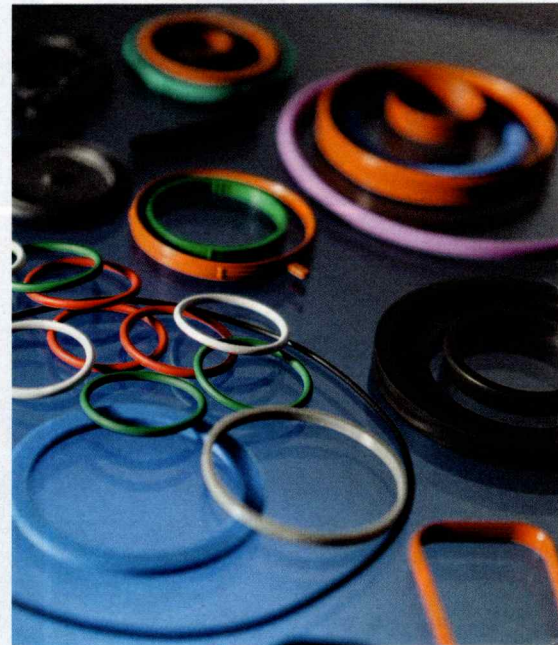
**A**n important application for the Rotamat systems is the coating of O-rings and flat gaskets, for example, for sealing individual cells in battery packs, but also in fuel cells, engines and transmissions.

At many job shop companies, the demand for coating of large volumes of large sealing components, used in cooling systems and control panels for electric vehicles, has grown rapidly. This has created the need for higher-capacity coating systems. The new Rotamat R 100 is in full compliance with such demands: It has a capacity of 160 liters, or 100 kg. In one single batch, it can handle about 300 sealing rings with diameters of up to 350 mm or batches of up to 50,000 O-rings. Compared to its predecessor model R 85, the new Walther machine can handle batch sizes that are three times larger. Of course,

the cycle times have remained the same, and the space and energy requirements have only increased marginally.

Frank Siegel, sales manager for coating technology at Walther Trowal explains: "Until now, our customers have used the Rotamat systems mainly for coating of O-rings. But with increased sales of electric vehicles, the demand for large elastomer sealing components with a large surface area, used for battery cells, cooling systems for heat exchangers, etc., will grow rapidly."

The new Rotamat system is also suitable for the decorative coating of plastic components made, for example, such as ABS or polyethylene, and also for thin-wall metal rings with diameters of up to 300 mm. The latter are used as oil seals for shafts and must be coated with a bonding agent, before elastomer material can be applied.



**The Rotamat 100 system can coat elastomer sealing components with diameters of up to 300 mm**

Moreover, the company has expanded the application range of the Rotamat systems to include the coating of sealing components with different types of oil and wax, as well as slow-drying lacquers.

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**Final assembly of Rotamat coaters at Walther Trowal in Haan**



**The new Rotamat R 100 system can coat plastic components with diameters of up to 300 mm**