**Facts for the trade press**

Coating of mass-produced small elastomer parts

**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 liters.

**Haan, Germany, May 28, 2018 At the DKT exhibition Walther Trowal presents 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 liters. 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.

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 80 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.

**1,700 characters including introduction**

### Here are some 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.

**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.

**Innovative features: 1,100 characters**

**Walther Trowal at the DKT 2018  
July 2 – 5, 2018 | Nuremberg, Germany  
Hall 12** **, Booth 247**

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| **Contact:**  Walther Trowal GmbH & Co. KG Frank Siegel Rheinische Str. 35-37 42781 Haan, Germany Tel: +49 2129.571-209 Fax: +49 2129.571-225 www.walther-trowal.de f.siegel@walther-trowal.de | **Contact for the editor:**  VIP Kommunikation Dr.-Ing. Uwe Stein Dennewartstraße 25-27 52068 Aachen, Germany Tel: +49.241.89468-55 Fax: +49.241.89468-44 [www.vip-kommunikation.de](http://www.vip-kommunikation.de) stein@vip-kommunikation.de |

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| **Photo 1:** Walther Trowal developed the Rotamat R 60 specifically for small batch volumes from 2 to 15 liters.  File name: Walther Trowal\_02031701.jpg | **cid:image007.jpg@01D3B49E.E9657810** |
| **Photo 2:** The new Rotamat R 60 is suitable for coating of mass produced small parts made from elastomers (photo) or metal.  File name:  Walther Trowal\_02031711.jpg | **cid:image009.jpg@01D3B49E.E9657810** |
| **Photo 3:** The design allows step-less inclination of the drum. This allows intensive mixing of the parts and guarantees complete, optimum coverage by the spray nozzles.  File name:  Walther Trowal\_02031707.jpg | **cid:image011.jpg@01D3B49E.E9657810** |
| **Photo 4a:** A pneumatic cylinder tilts the drum downwards for easy discharge of the finished parts.  File name:  Walther Trowal\_02031706.jpg | **cid:image013.jpg@01D3B49E.E9657810** |
| **Abb. 4b:** A pneumatic cylinder tilts the drum downwards for easy discharge of the finished parts.  File name:  Walther Trowal\_02031712.jpg | **cid:image015.jpg@01D3B49E.E9657810** |
| **Photo 5:** The complete coating system including filtering of the exhaust air is controlled by an easy to operate touch panel.  File name:  Walther Trowal\_02031708.jpg | **cid:image017.jpg@01D3B49E.E9657810** |

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**Facts about Walther Trowal**

For 85 years Walther Trowal has been a pioneer and market leader in various surface treatment technologies. The company offers modular and custom engineered solutions for a wide range of surface treatment problems.

Initially only making vibratory finishing equipment, over the years Walther Trowal has continuously broadened its product range and today offers a wide portfolio of equipment and services for improving all kinds of surfaces, e.g. mass finishing, part cleaning, shot blasting and drying of a wide spectrum of work pieces, last but not least, the coating of mass produced small parts.

Walther Trowal offers not only various types of equipment but complete surface treatment systems: By linking the various equipment modules and automating the complete process, we are able to precisely adapt our process technologies to the technical requirements of our customers. This also includes various types of peripheral equipment and process water cleaning and recycling systems. Of course, we also offer comprehensive pre- and after-sale service like sample processing in one of our demonstration labs and global repair and maintenance service.

Walther Trowal serves many customers in many industries around the world. For example, in the automotive and aerospace industry, medical engineering and wind power generation.