



Walther Trowal: Integration of the Rotamat into Digital Networks

At the PaintExpo Walther Trowal presents the Rotamat system for coating of mass-produced parts with several new technical features. They facilitate the integration of this machine into digital networks, expand the range of coating applications and make its operation even easier.

When it comes to the precise coating of mass-produced small parts made from plastic, metal or wood, the Rotamat coaters have proven themselves numerous times. Based on various customer suggestions Walther Trowal has adapted the Rotamat machine range to today's requirements.

Future-oriented communication

Since manufacturing processes are increasingly integrated into digital networks, Walther Trowal will be equipping its Rotamat systems with a touch panel and integrated OPC-UA communication protocol. This allows sending process data from

various machines to higher level control systems or uploading them to the cloud, irrespective of who the equipment manufacturers are.

With the integration of various pieces of equipment into an industrie 4.0 environment Frank Siegel, the sales manager for "coating technology" at Walther Trowal, expects numerous customer benefits: "With the new interface the Rotamat coaters can be easily integrated into networked manufacturing processes. It will allow us to provide higher efficiencies along the complete coating process chain. And, of course, it will also allow the Walther Trowal specialists to perform on-line trouble shooting."

Even, homogeneous coating thickness

New sensor technology and an electro-pneumatic valve on the spray gun permits Walther Trowal to precisely regulate the spray volume of the coating media. This ensures that the precise quantity of coating material arrives at the work pieces during the entire coating process. The result: Even, homogeneous coating thickness and a high life expectation of the applied coating material.

Intensive cooling

Some paint systems or coatings demand a quick, sometimes abrupt, cooling phase of the work pieces after the coating operation.

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The new Rotamat units, including the exhaust air filter, can be operated from a touch panel.

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The Rotamat is ideal for coating of mass-produced small parts, for example, made from elastomers (photo) or metal.



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The tilting angle of the drum can be set at any value. The cover is opened mechanically.



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For this reason, Walther Trowal has added a by-pass that, upon completion of the coating process, circumvents the heating unit and guides ambient air into the coating drum. This prevents the work pieces from sticking to each other, when they are discharged from the machine. The result: A higher ratio of finished work pieces in premium quality.

Safe filling of the pressure vessel

To date, when working with solvent-based coating materials, the pressure vessel containing the coating material had to be disconnected from the material panel for the filling operation, because it could only be opened in the explosion-protected filling room. Since now the air is suctioned off before opening the lid, the pressure vessel can remain at the machine or on the weighing scale. This eliminates a complete operational step.

For unloading of the finished parts a pneumatic cylinder tilts the drum downwards.

For further information:
www.walther-trowal.de



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