

Novelty at the AMB trade show:

For The First Time To Display Shot Blast Machinery At The Show

At the AMB trade show Walther Trowal displays not only mass finishing but also shot blasting equipment for blast cleaning of castings and stampings. The new troughed belt shot blast machine is characterized by its small footprint, and the TT high-energy mass finishing system requires 20% less energy.

The new tumble belt shot-blast machine can be seamlessly integrated into manufacturing operations

At the AMB trade show, Walther Trowal introduces the compact continuous flow-troughed belt shot-blast machine, model THM 300/1. This machine was specifically developed for treating high volumes of small, delicate workpieces with thin walls. It can handle aluminium and zinc die-castings with diagonal measurements between 20 and 150 mm. For example, this includes toy cars, components for consumer electronics, or fittings for the furniture industry.

For the first time, a continuous flow shot-blast machine is now available for treating small workpieces. With a footprint of only 1.4 x 2.7 meters, it can be easily integrated into existing manufacturing lines.

With the unique troughed belt transport system, the workpieces are gently

passed through the machine in a spiral movement. Since the workpieces are continuously tumbling over each other, they are evenly blasted on all sides.

Meik Seidler, sales manager of shot blasting at Walther Trowal, recognizes a distinct shot-blasting trend: "The THM continuous flow blast machines with their unique troughed belt transport system can be easily integrated into interlinked manufacturing processes. They are increasingly replacing conventional batch blast systems. The raw work pieces are entering the machine at the same cycle at which they are produced. This eliminates the transportation from one manufacturing stage to the next, and intermediate storage is no longer necessary."

Potential customers who see the displayed machines at the exhibition can conduct processing trials with their workpieces at the new test and training centers in Haan, Germany, and in Grand Rapids/Michigan, USA.



Continuous flow troughed belt shot-blast machine THM 300/1: With a footprint of only 1.4 x 2.7 meters the machine can be easily integrated into existing manufacturing lines

New Turbotron centrifugal disk finishing machine requires up to 20% less energy

With new energy-efficient electric motors, Walther Trowal succeeded in lowering the energy consumption of its Turbotron centrifugal disk finishing machines TT 90...A/2C by up to 20%. These high-intensity systems allow the fast deburring, edge radiusing, surface



With the unique troughed belt transport system, the workpieces are gently passing through the machine



Turbotron centrifugal disk finishing machine TT 90...A/2C: The gap rinse feature prevents thin workpieces from migrating into the interface (gap) between the rotating spinner (yellow) and the stationary work bowl (red)



Turbotron centrifugal disk finishing machine TT 90...A/2C: The centrifugal force of the spinner forces the mix of media and workpieces to move up the wall of the work bowl. Gravity forces the mix to fall back onto the spinner.

smoothing, and even polishing of small to mid-size work pieces.

With the new option “gap rinsing and automatic gap setting”, these machines are ideal for finishing extremely thin precision stampings. The pressure created by the gap rinse feature prevents thin-walled workpieces from migrating into the interface (gap) between the rotating spinner and the stationary work bowl.

Christoph Cruse, general sales manager at Walther Trowal, identifies more benefits for his customers: “Contrary to traditional centrifugal disk finishing machines, the TT systems are working with a high-water level in the work bowl, whenever thin workpieces must be deburred and smoothed. This prevents them from sticking to each other or adhering to the work bowl wall.”

Walther Trowal offers the new Turbo-

In the Spotlight:

About Walther Trowal

Since 1931, Walther Trowal has been developing and producing systems for the refinement of surfaces. Initially focusing exclusively on mass finishing – the term “Trowalizing” originated from the company’s cable address “Trommel Walther” – Walther Trowal has continuously expanded its product portfolio.

Over time, the company has developed a broad range of machinery and systems for mass finishing, shot blasting and coating of mass-produced small components. With the invention of new systems such as drag finishing and the development of special finishing methods for 3D printed components, the company has proven its innovative capabilities again and again.

Walther Trowal develops and implements complete surface treatment solutions that can be seamlessly integrated into linked production systems existing at the customer’s location. This includes the entire process technology, perfectly adapted to the specific surface finishing requirements of the workpieces: Equipment and the respective consumables always complement each other in a perfect manner.

Each individual workpiece and each manufacturing process must meet special technical requirements. That is why the experienced process engineers in our test lab, in close cooperation with the customers, develop the optimal process technology for the finishing task at hand. The result: Workpiece surfaces that meet the required specifications exactly...with short processing times and a high degree of consistent, repeatable results.

Walther Trowal is one of the few manufacturers who develops and produces all machines and mass finishing consumables in-house... including ceramic and plastic grinding and polishing media as well as compounds.

The company’s equipment range also includes all kinds of peripheral equipment for handling the workpieces like lift and tip loaders, conveyor belts and roller conveyors, in addition, special driers for mass finishing applications and, last-but-not-least, systems for cleaning and recycling of the process water.

With its exchange program for wear items like work bowls that are part of a continuous recycling program, Walther Trowal conserves valuable resources thereby making a significant contribution towards sustainability in the field of industrial production. Quick technical support and the global repair and maintenance service ensure high uptimes for our equipment.

Walther Trowal serves customers in a wide range of different industries all over the world, for example, automotive, aerospace, medical engineering and wind power.

tron systems with the “gap rinsing” option as stand-alone machines with manual workpiece loading and unloading as well as larger, fully automatic systems with integrated loading device, vibratory screening device and media return unit.

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