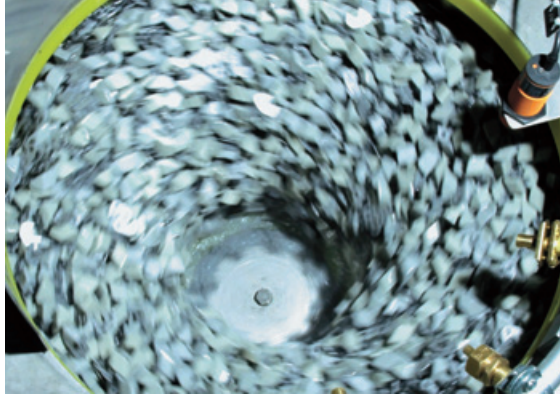
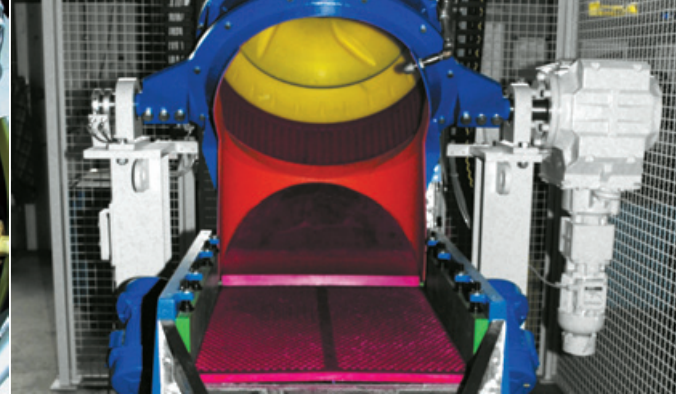


MASS FINISHING • SHOT BLASTING
COATING OF SMALL PARTS • EFFLUENT TREATMENT

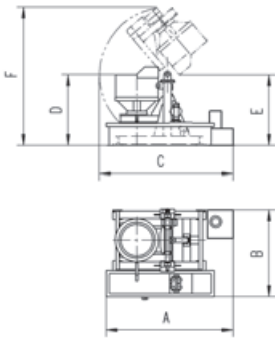


Processing in a Turbostron centrifugal disc finishing machine

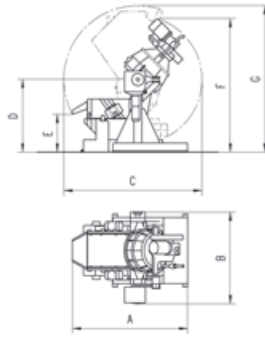


TT 90-SM with protective fence

TT...-B



TT...-SM



Machine types	TT 25	TT 45	TT 60-B	TT 90-B	TT 90-SM	TT 140-B	TT 140-SM
Gross volume litres	25	45	60	90	90	140	140
Capacity work pieces * litres	3-18	5-28	6-40	8-60	8-60	14-100	14-100
Material work bowl	PU	PU	Steel/PU				
Drive mode	electric	electric	electric	electric	electric	electric	electric
Spinning power kW	1,5	1,5	4	4	4	11	11
Speed max. RPM	235	235	213	213	213	173	173

*Depending on the work piece geometry, material, sensitivity of the parts.
 The quantity of media and work pieces is determined by these factors.

	A	B	C	D	E	F	G
TT 25 TT 45	dimensions upon request						
TT 60-B	2000	1370	2110	1070	1180	2180	/
TT 90-B	2000	1370	2110	1120	1110	2180	/
TT 90-SM	2330	1580	2630	1350	650	2350	2780
TT 140-B	1800	1690	1970	1410	1270	2500	/
TT 140-SM	2330	1860	2800	1480	770	2710	3000

Dimensions (mm)

Advanced machine technology

- Optimum dynamic geometry of spinner and work bowl
- Infinite water level control
- Infinitely adjustable speed of the spinner
- Automatic gap control via PLC gap can be adjustable with a precision of 0.01mm
- Rinsing of gap prevents premature wear of spinner and work bowl
- Anti-blocking system prevents "seizure" of the spinner
- Additional protection of spinner and work bowl by temperature control in the gap area

TT...-B Machines

These are stand-alone machines for operation without integrated loader, screening machine and media return system. The work bowl is pivoted either manually (TT 25, TT 45), electrically (optional on TT 25, TT 45) or hydraulically on larger machines.

By providing appropriate peripheral equipment such as loading and separation devices, a partial degree of automation is also possible.

TT...-SM Machines

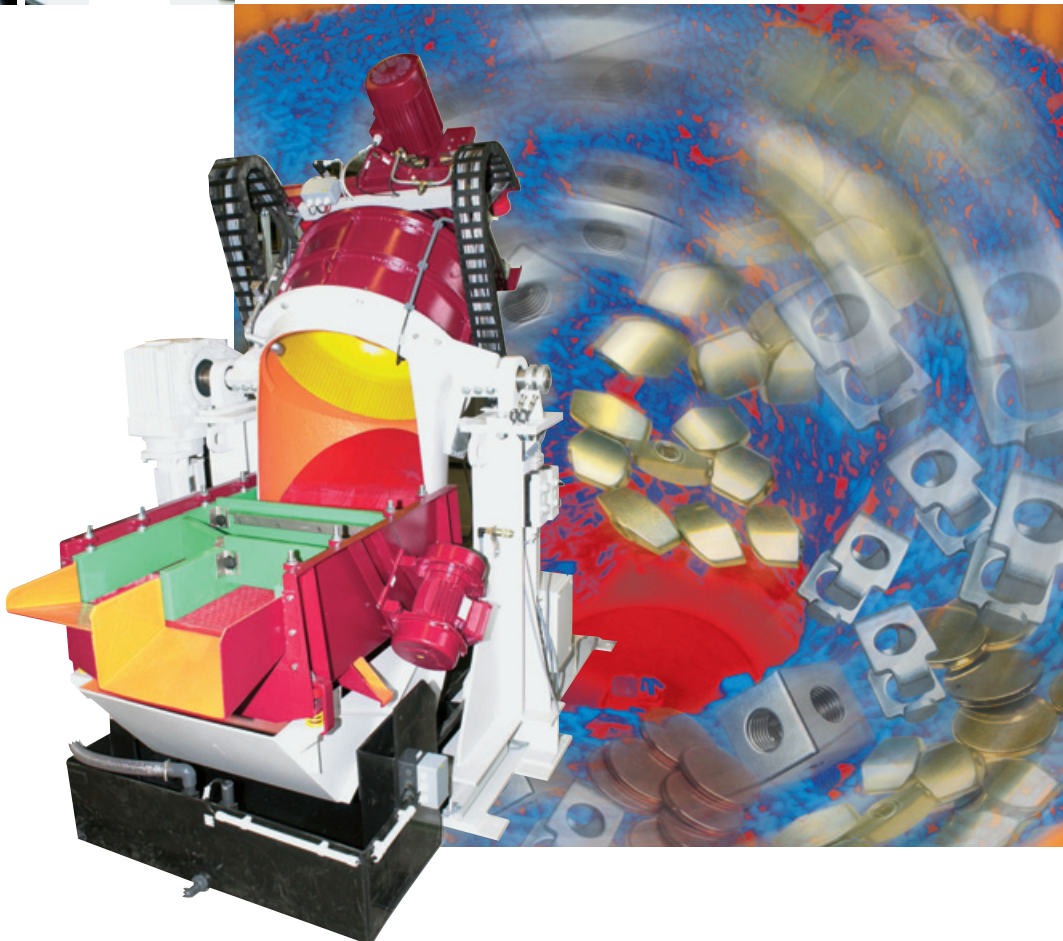
These are pivoted TT-systems with an integrated screening machine and media hopper. When the centrifugal disc finishing process is complete, the system pivots by 135°, whereby the mass of chips and work pieces are transported onto the screening machine, where they are separated and the media also classified. When the system pivots back into the processing position, the chips slide back from the media hopper and automatically reload into the work bowl.

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WALTHER TROWAL!



TROWAL MASS FINISHING CENTRIFUGAL DISC FINISHING MACHINES TT...-B AND TT...-SM

Top performance!

Compared to vibrators, **Trowal Turbotron** centrifugal disc finishing machines offer up to 10 times higher grinding performance.

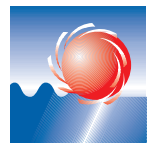
Turbotron machines are mainly used for the removal of strong burrs and for the edge radiussing of small and medium size bulk parts. However, due to the application of special processing technologies, **Turbotron** machines are also suited for fine grinding and even polishing "super polishing" operations.

How it works

The rotating spinner (60 - 250 RPM) accelerates the work piece/media mass to the wall of the stationary work bowl and pushes the mass upwards along the work bowl wall. With decreasing acceleration and increasing gravity the mass slides back down to the spinner where it is again accelerated.



Deburring



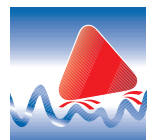
Ball burnishing



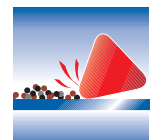
Radiussing



Degreasing



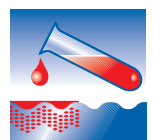
Surface smoothing



Surface cleaning



Surface polishing



Pickling, descaling