



TROWAL SURFACE FINISHING CIRCULAR VIBRATORS MODEL RANGE CM

Universal applications

Trowal circular vibrators can be used for the surface finishing of a multitude of different parts and processing objectives.

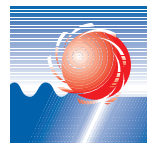
Their scope of applications ranges from the aggressive deburring and radiusing all the way up to high gloss polishing of delicate work pieces, i.e. from aggressive cutdown to generating a pre-plate surface finish. **Trowal** circular vibrators are used not only as economical "stand-alone" machines but can also be integrated into interlinked, fully automatic manufacturing systems

The specialist!

Trowal circular vibrators of the model range **CM** do not have an integrated separation device. Typically they have a flat bottom work bowl. **CM** vibrators are mainly used for finishing of large and delicate components. The **CM** range consists of 6 models with work bowl volumes from 110 up to 1000 litres.



Deburring



Ball burnishing



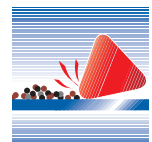
Radiusing



Degreasing



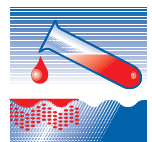
Surface smoothing



Surface cleaning



Surface polishing



Pickling, descaling

MASS FINISHING • SHOT BLASTING

COATING OF SMALL PARTS • EFFLUENT TREATMENT

WALTHER TROWAL!

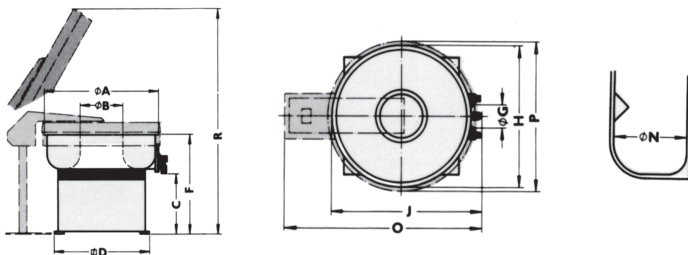


Pneumatic unloading gate (optional).

A large diameter, pneumatically activated outlet gate permits complete and quick unloading of the work bowl.



Paddle wheel (optional), for processing of large, delicate components.



	CM 115	CM 205	CM 305	CM 405	CM 605	CM 1045
Gross volume (l)	110	200	350	420	600	1000
Usable volume (l)*	76	110	190	260	390	700
Largest work piece dimension (measured diagonally) (mm)	160	180	220	250	280	330
Machine weight (kg)	280	360	545	700	1165	2110
Standard version						
Drive power at 1500 rpm	1,0 kw	1,0 kw	2,6 kw	2,6 kw	4,0 kw	8,0 kw
rpm range	1.000/1.500	1.000/1.500	1.000/1.500	1.000/1.500	1.000/1.500	1.000/1.500
Max. centrifugal force	17.540	18.710	33.680	33.680	72.980	138.470
Ball burnishing version						
Drive power at 1500 rpm	1,0 kw	1,0 kw	2,6 kw	4,0 kw	7,0 kw	-
Speed max. (rpm)	Infinitely adjustable up to 1800 rpm					-
Max. centrifugal force	25.204	26.884	48.392	75.881	104.848	-
Vibratory drier	G 200	G 200	G 500	G 500	G 500	G 1000
Hot air belt drier	Upon Request	Upon Request	Upon Request	BF-HL 600/3500	BF-HL 600/3500	BF-HL 600/3500

* Part geometry, material and delicacy are important for the determination of the media/work piece ratio.

CM	A	B	C*	D	F	G	H	J	N	O	P	R
115	910	366	646	660	1030	140	910	935	230	1495	1000	2100
205	1010	408	660	820	1022	140	1010	1155	261	1578	1110	2210
305	1210	482	670	1000	1070	198	1210	1320	314	1800	1310	2430
405	1380	568	580	1000	1109	198	1380	1450	377	2096	1480	2715
605	1580	644	760	1370	1247	198	1580	1670	400	2330	1680	3085
1045	1980	860	755	1570	1370	320	1980	2350	490	2900	2080	3870

Dimensions (in mm)

*When using a pneumatic unloading gate, measurement "C" will change.

CM vibrators are special machines with many functional advantages:

• Paddle wheel

For the processing of large, delicate parts a rotating "paddle wheel" is available. Every segment contains one part. This prevents part on part impingement.

• Delicate components?

Extremely gentle work piece processing possible.

• No mixing of parts

The pneumatic unloading gate (optional) allows complete discharge of a batch of parts from the work bowl and, thus, prevents parts mixing from different batches

• Double batch operation

CM vibrators are ideally suited for double batch operation for elimination of unproductive, idle time.

• Accessories

Acoustic lids, compound dosing systems, ball burnishing version for use with steel media, circular rinsing station, etc.



CM-Vibrator with noise enclosure

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