

**CIRCULAR VIBRATORS CB**

TROWAL SURFACE FINISHING

Circular Vibrators model range CB

Universal applications

Trowal circular vibrators can be used for the surface finishing of a multitude of different parts and processing objectives. Their scope of application ranges from the aggressive deburring and radiusing all the way up to high gloss polishing of delicate work pieces, i.e. from aggressive cut-down to generating a pre-plate surface finish.

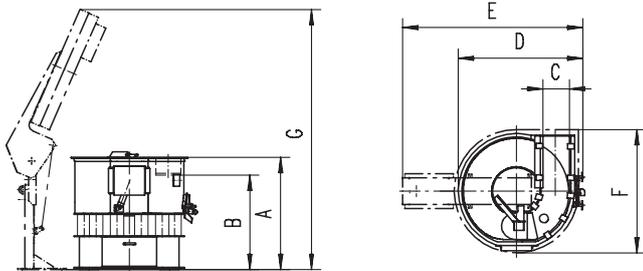
Trowal circular vibrators cannot only be used as economical "stand-alone" machines but can also be integrated into interlinked, fully automatic manufacturing systems.

CB circular vibrators – the latest technical development from Trowal – are designed to achieve top results with regard to surface finish and productivity. The spiral bottom process channel over more than 180° allows gentle processing combined with a high metal removal rate. Key feature of the CB range is the gate clearing prior to the screening cycle. This feature ensures that no parts or media can be squeezed between separation flap and the bottom of the process channel: The flap is only lowered when the gate area is completely free of parts and media! 7 models with a volume of 200 to 1800 litres are available.



CB	A	B	C	D	E	F	G
200	1210	1010	238	1193	1680	1300	2600
300	1270	1060	280	1344	1906	1460	2866
400	1336	1100	326	1489	2255	1670	3130
600	1440	1140	357	1633	2500	1700	3620
800	1522	1240	386	1833	2590	1900	3780
1200	1737	1435	445	2046	2870	2110	4180
1800	1960	1535	550	2422	3275	2510	4630

Dimensions (in mm)



CB Circular vibrator with accoustic lid

The design of the CB range reflects 50 years of experience in vibratory finishing. The CB is one of the most modern circular vibrators in the market.

- Because of their heavy-duty steel construction and the re-enforced vibratory drive CB machines are ideally suited for ball burnishing and pressure deburring with steel media.
- The gate clearing ensures that no lodging of parts or media can take place during the separation process. This helps prevent damaged parts. (Option).
- Easy, time saving change of separation screens.
- Vibratory drive life time lubricated.
- Side mounted parts infeed chute (Option) facilitates integration into automatic manufacturing processes.
- Accessories
 - Compound dosing systems
 - Dosing systems
 - Magnetic separators
 - Drier etc.

	CB 200	CB 300	CB 400	CB 600	CB 800	CB 1200	CB 1800
Work bowl Gross volume (l)	200	300	400	600	800	1.200	1.800
Usable volume (l)*	125	210	280	400	540	800	1200
Largest work piece dimension (mm)	170	220	260	270	315	335	380
Screen area (cm ²)	2.190	2.710	3.270	4.000	4.900	6.300	7.500
Total weight, empty (kg)	700	950	1.020	1.200	1.930	2.400	4.400
Standard version							
Drive power at 1.500 RPM	1,0 kW	2,6 kW	2,6 kW	4,0 kW	6,0 kW	8,0 kW	11,0 kW
RPM range (RPM)	1.000/1.500	1.000/1.500	1.000/1.500	1.000/1.500	1.000/1.500	1.000/1.500	1.300
Max. centrifugal force (N)	40.000	49.000	49.000	82.000	100.000	142.000	250.000
Ball burnishing version							
Drive power at 1.500 RPM	1,8 kW	4,0 kW	4,0 kW	7,0 kW	8,0 kW		
RPM range	Infinitely adjustable up to 1500 RPM (higher RPM upon request)						
Max. centrifugal force (N)	40.000	49.000	49.000	82.000	100.000		
Accessories							
Magnetic separator	MS 134x14	MS 134x24	MS 134x24	MS 168x31	MS 168x31	MS 168x36	MS 168x36
Vibratory driers	G 200	G 200	G 200	G 500	G 500	G 1000	G 1000

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