WALTHER TROWAL!

TROUGH VIBRATOR TFM

TROWAL MASS FINISHING

Trough Vibrators – Model Range TFM

Large parts?

Trowal trough (or tub) vibrators are used for finishing of mid to large size parts. Normally the parts to be processed are placed into the tub loose where they can rotate freely within the media mass.

Delicate parts?

Delicate parts are either clamped with special fixturing devices or processed individually in separate chambers separated by special dividers fitted into the tub. This type of processing prevents impingement and parts damage during the finishing process.

Universal applications

Trough vibrators are "all-round" mass finishing machines. They are used for

- Deburring
- Radiusing
- Surface smoothing
- Surface polishing
- De-greasing
- Surface cleaning
- Pickling, de-scaling, de-rusting

We improve surfaces

Excellent economics

Trowal trough vibrators of the TFM series are characterized by their robust design and economic purchase price.

Work bowl shape

TFM vibrators always have a U-shaped work bowl with straight wall thus providing maximum access width for loading large components into the work bowl. A built-in triangular wedge for better roll of the media is available as an option.

Drive system

The vibration in trough vibrators of the series TFM is generated with proven foot-mounted vibratory motors. Depending on the size of the work bowl TFM vibrators are equipped with either one or two vibratory motors. The vibratory motors are lifetime lubricated.

Lining of the work bowl

The TFM series are lined with highly wear-resistant polyurethane with different grades of "shore hardness" to suit the application. Optional rubber lining is also available.

Ball burnishing

Smaller machine sizes within the TFM series also can be used for ball burnishing or pressure deburring with steel media. Characteristics:

- Re-enforced work bowl
- Motors with higher electrical power system
- Optional acid-resistant lining of the work bowl and acid-resistant paint

	49/21	58/32	83/37	110/46	165/46	120/56	220/56	120/91	150/125	210/150
Power standard version (kW)	1 x 0.37	1 x 0.4	1 x 1.0	1 x 2.0	2 x 2.0	1 x 3.5	2 x 3.5	1 x 4.5	1 x 7.0	2 x 7.0
Power ball brunishing version (kW)	1 x 0.75	1 x 0.75	1 x 1.2	1 x 3.0	2 x 3.5	1 x 7.0	2 x 7.0	n.a.	n.a.	n.a.
Lining thickness (mm)	10	12	15	20	20	22	22	25	25	25
Usable volume (l)	15	42	80	165	250	270	485	700	1,650	3,300

n.a.= not available; Standard Speed 1500 min^{-1}; Optional Infinitely Variable Speed Control; Speed Range 1000-2800 min^{-1}

	49/21	58/32	83/37	110/46	165/46	120/56	220/56	120/91	150/125	210/150
A	210	320	370	460	460	560	560	910	1,250	1,500
B	140	190	210	295	295	360	360	455	625	450
C	245	350	395	525	525	640	640	910	1,250	1,200
D	490	570	820	1,100	1,650	1,200	2,200	1,200	1,500	2,100
E	532	622	880	1,160	1,710	1,260	2,264	1,274	1,580	2,180
F	200	200	200	250	250	250	250	260	260	260
G	620	625	630	665	665	680	665	720	850	1,050
H	530	530	550	560	560	594	560	630	725	930
I	732	860	1,120	1,435	1,985	1,525	2,525	1,555	1,860	2,500
J (empty)	938	1,040	1,130	1,285	1,280	1,413	1,400	1,675	2,175	2,330
K	540	670	710	850	850	1,290	980	1,300	1,980	2,150
Outlet Ø	140	140	140	200	200	200	200	320	320	320
No of Outlets	1	1	1	1	2	1	2	1	2	2

Dimensions (in mm)

Technical modifications reserved 01 / 09 www.promise-marketing.de

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