

CIRCULAR TYPE VIBRATORY MACHINES

These versatile machines are constructed in steel, with the bowl chamber being lined with polyurethane or rubber as per individual requirements, and are both solid and robust in construction.



Description

The Vibratory Finishing Machine is extensively used to perform operations such as deburring, polishing, burnishing, descaling and honing.

The machine is manufactured in various sizes, and can be fitted with options to suit individual requirements, such as internal separation device, PLC or standard control unit, variable speed, filter unit, noise cover, dust cover, compound metering unit, etc. The machines can be used for batch finishing operations or can be automated to form part of a production line.

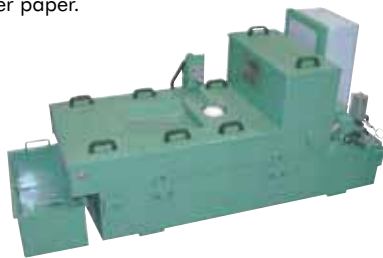
SPECIFICATION								
MODEL	SM1	SM2	SM3	SM4	SM5	SM10	SM20	SM40
Capacity	30ltr	60ltr	90ltr	120ltr	210ltr	300ltr	600ltr	1200ltr
Motor	94W	375W	750W	1100W	1500W	1500W	3750W	5850W
Overall Height	782mm	787mm	916mm	930mm	961mm	1102mm	1118mm	1378mm
Bowl Diameter	613mm	710mm	855mm	1020mm	1220mm	1347mm	1606mm	2010mm
Finishing Chamber Width	204mm	230mm	256mm	265mm	280mm	342mm	430mm	530mm
Finishing Chamber Depth	163mm	235mm	253mm	264mm	325mm	361mm	478mm	620mm
Total Weight	125kgs	225kgs	250kgs	315kgs	500kgs	550kgs	1050kgs	1500kgs

LINING: RUBBER/POLY

WORK LOADS	SM1	SM2	SM3	SM4	SM5	SM10	SM20	SM40
Plastic	20kgs	40kgs	60-65kgs	80kgs	100kgs	200-225kgs	400-450kgs	TBA
Ceramic	30kgs	60kgs	90kgs	120kgs	150kgs	300-375kgs	600-650kgs	TBA
Maize	10kgs	20kgs	30kgs	40kgs	50kgs	100kgs	200kgs	TBA

BAND FILTER UNIT

Paper band filters are manufactured in various sizes, to suit a corresponding discharge rate from single or multiple vibratory finishing and grinding machines. They comprise, a structure manufactured in either carbon or stainless steel, reduction motor/gearbox, float switch, chain mesh belt to support the continuous length of filter paper.



Optional Extras:

- High/Low level switch
- Pump

- Full Recirculating Systems also available.
- Filter Rolls available in: 10/20/45/50 microns

The band filter offers excellent filtration, whereby contaminates are extracted continuously, by trapping the contaminated sludge on the filter paper allowing the filtered water to pass. When the water can no longer pass, the water rises on the paper this causing a float connected to a micro-switch to trigger the reduction motor, which then indexes automatically fresh paper, and in consequence the filtration cycle is repeated automatically. The contaminated paper is collection into a storage bin.

SPECIFICATION							
MODEL	PBMF/PBF 50	PBMF/PBF 65	PBMF/PBF 100	PBMF/PBF 150	PBMF/PBF 200	PBMF/PBF 300	PBMF/PBF 400
LT	1300	1400	1800	1800	2200	2500	2200
W	550	800	800	1000	1000	1100	1500

REFURBISHMENT & REPAIR SERVICE



Typically Before

Typically After

We offer full refurbishment by skilled engineers in our own engineering workshop facilities, of all types of finishing machines.

Range:

- Relines in rubber or polyurethane
- Motor rewinds and bearing replacement
- Many spares held in stock
- All work guaranteed
- Nationwide service

MACHINERY

For Vibratory & Surface Finishing



SHARMIC ENGINEERING LIMITED
SURFACE FINISHING EQUIPMENT & CONSUMABLES

' UNIVIB' TROUGH MACHINE



Designed for the small industrial user, this completely universal, small bench type vibratory finishing tub machine, can be used with all types of media including steel, for deburring, polishing, descaling, smoothing and ball burnishing operations, on a wide variety of different components, such as jewellery, textiles, computer parts, hotel cutlery, fancyware, etc. Manufactured in the UK exclusively by ourselves.

Options:

- Variable Speed Drive • Unloading Door • Separation Units • Divider Plates • Dual Voltage and Single Phase • Noise Covers/Cabinets

SPECIFICATION					
MODEL	5L	10L	18L	30L	40L
Capacity (Litres)	5	10	18	30	40
Size of Machine					
Width (mm)	235	390	410	565	565
Length (mm)	350	575	690	830	1056
Height (mm)	420	515	610	830	830
Internal Width (mm)	120	142	165	232	232
Internal Length (mm)	285	445	535	630	870
Internal Depth (mm)	165	175	210	235	235
Motor (W)	180	260	650	650	525
Plastic Media Load (Kg)	2	5	10	15	20
Ceramic Media Load (Kg)	4	8.5	17	25	35
Steel Media Load (Kg)	12	25	50	75	100
Max Load (Kg)	18	35	70	105	140

CENTRIFUGAL DRYER



Main Uses:

- Drying metal and plastic articles by centrifuging in forced warm air.

Main Features:

- Robust design, yet easy to operate.
- Tilting and unloading is lever-actuated.
- Non-removable basket in drilled stainless steel, hole diameter 2mm (0.9mm on request).
- Control panel with cycle timer, centrifugal and heating switches.

SPECIFICATION		
DRYERS	ASC 50/LR	ASC 70/LR
Internal Basket Dimensions (mm) ø x h	470x285	490x400
Capacity (kg)	40	70
Rpm	640	550
Heating Elements (W)	3300 (3x1100)	4500 (3x1500)
Motor Power (W)	750	1500
Total Installed Power (W)	4050	6000
Overall Dimensions (mm)	1120x790x690	1170x790x780
Voltage	230/400V 50 Hz	230/400V 50 Hz
Weight (kg)	310	360

ROTARY BARRELS



Main Uses:

- These machines have been designed for the surface finishing of various components.
- They are used for removing sprues, deburring, and smoothing, polishing small and medium sized components by means of plastic, ceramic, wood and maizorb media.

Main Characteristics:

- The machine consists of: base, tilting device, drum, geared motor and electric control panel.

SPECIFICATION			
	UNIT	MODEL 120	MODEL 330
Loading mouth (ø)	Mm	240	430
Height of loading aperture in horizontal position (Hb)	Mm	1110	1110
Capacity tank	Dm ³	120	330
Maximum capacity of loading (Media & components)	Kg	150	250
Tank dimensions (ø max x L)	Mm	460x800	680x1000
Maximum loading of plastic media		½ tank capacity	½ tank capacity
Maximum loading of ceramic media		½ tank capacity	½ tank capacity
Maizorb loading		½ tank capacity	½ tank capacity
Dimensions in horizontal position	mm	1400x740x1250	1650x1120x1580
Weight	Kg	350	500
SPECIFICATION OF GEARED MOTOR (WITH INVERTER)			
Speed rotation	Rpm/min	10 ÷ 32	10 ÷ 32
Power	W (HP)	560 (0.75)	1100 (1.47)
Voltage	V	240 single phase	240/415 three phase
Frequency	HZ	50	50
SPECIFICATION OF GEARED MOTOR (AT TWO SPEEDS)			
Speed rotation	Rpm/min	22/35	25/44
Power	W (HP)	660 (0.88)	1119 (1.5)
Voltage	V	415 three phase	240/415 three phase
Frequency	HZ	50	50