

MACHINERY

For Vibratory & Surface Finishing



SHARMIC ENGINEERING LIMITED
SURFACE FINISHING EQUIPMENT & CONSUMABLES

TUB VIBRATORY MACHINES



Model shown: VRM 375 Y

These are generally used for the larger component, or when it is essential that components are to be finished separately by the use of dividers, to minimise damage.

TUB VIBRATORY MACHINES

Machine Models	VM 20 Y GR	VRM 150 Y	VRM 375 Y	LNR 2000	VM Y 2200	LNR 6500-A
Capacity (Litre)	20	150	375	450	2200	1330
Process Area Height (mm.)	235	480	570	594	985	594
Process Area Width (mm.)	170	365	500	448	1100	448
Process Area Length (mm.)	530	870	1500	2000	2200	6000
Width (mm.)	600	1149	1799	1074	4830	1370
Length (mm.)	1600	908	1191	1445	2350	7700
Height (mm.)	965	1095	1125	1610	1510	1910
Weight (kg)	200	496	1002	1730	4710	6350
Motor speed (rpm)	1500/3000	1500/3000	1500/3000	1500	1500	1500
Motor Power (KW)	0,93	1,1/1,5	4/6	6	22	30
Voltage/Frequency (AC-V/Hz)	380/50	380/50	380/50	380/50	380/50	380/50

CENTRIFUGAL DRYING AND DEGREASING MACHINES



Model shown: SK 50 K

These machines are used for components that have internal lodgement areas that prevent the components from being maize dried. The "Y" version machine is for removing and draining oil from components.

CENTRIFUGAL DRYING AND DEGREASING

Machine Type	SK 25 K	SK 50 K	SK 25 Y	SK 50 Y
Capacity (Litre)	25	50	25	50
Inside Diameter (mm.)	415	445	415	445
Process Area Height (mm.)	200	200	200	200
Discharge Height (mm.)	360	370	360	370
Width (mm.)	645	710	645	715
Length (mm.)	650	720	650	720
Height (mm.)	920	985	920	985
Weight (kg)	140	160	140	160
Motor Cycle (rpm)	1500	1500	1500	1500
Centrifugal Cycle (rpm)	480	480	480	480
Motor speed (KW)	0,37	0,55	0,37	0,55
Heating Power (KW)	2	2	2	2
Voltage/Frequency (AC-V/Hz)	380/50	380/50	380/50	380/50

WASTE WATER TREATMENT MACHINES



Models shown: ARS 25-WT500

These systems are produced to work with vibratory surface finishing machines, centrifugal surface finishing machines and barrel type machines as standard. As optional, it can also be prepared as a project for the waste water that occurs in different industries.

TREATMENT MACHINES

Machine Type	Unit	ARS 25 B60	ARS 25-500
Capacity	Litre/Hour	300	300
Water Tank Capacity	Litre	60	500
Sludge Container Capacity	KG	2,5	2,5
Max. Clean Water Outlet Pressure	Bar	0,5	0,5
Separation Factor	G	1800	1800
Centrifugal Speed	RPM	4100	4100
Motor Power	kW	1,5	1,5
Total Power	kW	2,2	2,2
Voltage/Frequency	AC-V/Hz	400/50	400/50
Dimensions (W x L x H)	Bar	680 x 750 x 800	1600 x 775 x 1545
Total Weight	MM	160	300
Control Unit	KG	Semi-Automatic	Semi-Automatic
Dosing of (Process) Chemicals	-	Optional	Optional
Disinfections	-	Optional	Optional
Filtration	-	Centrifuge Filter	Centrifuge Filter
Foam Removal	-	Optional	Optional
Ratio of Water Recycling	%	95	95
High/Low Sensors	-	N/A	Included
pH Control	-	N/A	Optional
Stirrer	-	N/A	Optional
1000 Litre Tank	-	N/A	Optional

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CIRCULAR VIBRATORY MACHINES



Model shown: VM225 ED-SR - KST

Vibratory bowl machines are manufactured in mild steel and are internally lined in cast polyurathane. They can be provided with various options to meet individual requirements, these options include, variable speed devices, PLC control units, noise covers and compound metering units.

CIRCULAR VIBRATORY MACHINES							
Machine Type	VRM/VM125	VRM/VM250	VRM/VM500	VRM/VM800	VRM/VM1000	VRM2000	VM4000
Capacity (Litre)	125	250	500	800	1000	2000	4000
Polyurathane Thickness (mm.)	20	20	20	20	20	20-30	20-30
Steel Thickness (mm.)	6	8	10	10	10	10	10
Process Area Width (mm.)	210	290	370	430	440	690	910
Inside Diameter (mm.)	700	970	1290	1560	1650	1841	2590
Discharge Height (mm.)	950	930	1030	1040	1235	1220	460
Width (mm.)	776	1100	1406	1700	1868	1960	2800
Length (mm.)	920	1250	1590	1895	1940	1960	2700
Height (mm.)	1050	1060	1235	1340	1395	1400	1585
Weight (kg)	272	490	1153	1900	2110	1980	3250
Motor speed (rpm)	1500	1500	1500	1500	1500	1500	1500
Motor Power (KW)	0,75	1,1	4	6	6	7,5	15
Voltage/Frequency (AC-V/Hz)	380/50	380/50	380/50	380/50	380/50	380/50	380/50

Internal unloading screens are changeable and are available in a variety of designs, to include undersized media screens, stepped screens and stainless steel bar meshes. VM versions have curved bowls and high specification control panels with reverse motor facility. VRM versions are straight sided bowls with simple control panels (no reverse motor facility).

CIRCULAR VIBRATORY DRYING MACHINES



Model shown: VRM225K

Maize drying machines, for rapid drying and polishing of components. These machines are heated and some are lined in spray polyurathane.

CIRCULAR VIBRATORY DRYING MACHINES				
Machine Type	VRM/VM125K	VRM/VM250K	VRM/VM500K	VRM/VM800K
Capacity (Litre)	125	250	500	800
Polyurathane Thickness (mm.)	PU SPRAY	PU SPRAY	PU SPRAY	PU SPRAY
Steel Thickness (mm.)	6	6	8	10
Process Area Width (mm.)	242	320	410	470
Discharge Height (mm.)	760	870	1000	875
Width (mm.)	780	1025	1390	1660
Length (mm.)	890	1175	1500	1770
Height (mm.)	950	1100	1140	1088
Weight (kg)	280	430	1120	1770
Motor speed (rpm)	1500	1500	1500	1500
Motor Power (KW)	0,75	2	4	6
Voltage/Frequency (AC-V/Hz)	380/50	380/50	380/50	380/50
Heaters (KW)	1,8	3	4,5	6

CENTRIFUGAL DISC FINISHING MACHINES



Model shown: SM3X14

High speed centrifugal machines are used for the rapid surface improvement of components, generally for small to medium sized. Single or multiple units can be employed, or the machine(s) can form part of a fully automated system.

Optional separating units are available for larger machines.

CENTRIFUGAL DISC FINISHING MACHINES								
Machine Type	SM6	SM14	SM2X14	SM3X14	SM50-B	SM50-C	SM100R	SM400
Capacity (Litre)	6	14	2x14	3x14	50	50	100	400
Polyurathane Thickness (mm.)	20	20	20	20	20	20	20	20
Steel Thickness (mm.)	8	10	10	10	10	10	10	10
Process Area Width (mm.)	310	280	2x280	3x280	425	425	585	940
Width (mm.)	570	1020	1500	3167	1180	950	1380	2020
Length (mm.)	836	1140	1140	1140	1365	1105	1380	2400
Height (mm.)	750	1600	1600	1600	1315	1530	1510	1910
Weight (kg)	84	150	300	450	385	303	790	1500
Motor speed (rpm)	3000	3000	3000	3000	1500	3000	1500	1500
Motor Power (KW)	0,25	1,1	2,2	3,3	3	3	4	15
Voltage/Frequency (AC-V/Hz)	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50