



KVM

CIRCULAR TYPE OF VIBRATORS

Circular Type of Vibrators series round vibratory finishing machines are used for deburring and polishing the surfaces of all metal and non-metal materials and for making precise polishing and minimizing surface roughness.



KVM220/R

Vibratory bowl sizes are classified based on volume (liter). The appropriate bowl volume is selected according to the geometric structure of the parts and daily production quantity.

Advantages of the KVM series

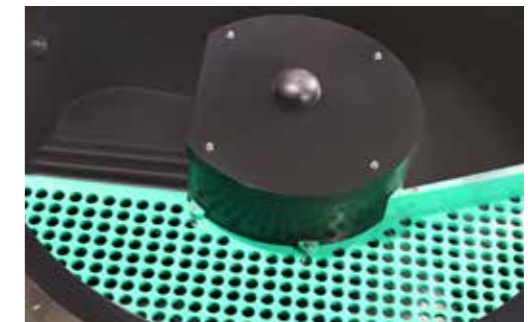
- Grinding and polishing in minimum time thanks to bowl design.
- Vibration impact can be reduced or increased mechanically (by weight).
- Easy to separate stone and material used in models with sieve and ramp.
- It allows the use of different sizes of stones thanks to the easily removable portable sieve.
- Thanks to its conformable ramp design, all materials are easily unloaded from the bowl.
- Our high-performance vibration motor is long-lasting and minimizes your service costs.
- Resistance to acidic environments with double layer epoxy paint.
- Long bowl life thanks to our abrasion-resistant Elastomer type (90 Shore) polyurethane coating.
- Custom-design bowl or chassis height and spring design.
- Noise level is minimized with the optional Pneumatic Acoustic cover.
- Remote control of the pneumatic ramp lever from the control panel is available as an option.
- As the vibration level can be adjusted with our speed-controlled panels, the most precise surface finishing is ensured on metal and non-metal surfaces.
- All electrical panels are produced in accordance with CE norms.
- Minimum consumption of liquids used in degreasing, deburring, and polishing processes is ensured by means of dosing pump.
- KVM Series electrical panels can work in accordance with automation systems with PLC software.
- KVM Series can be integrated into the press lines that are continuously producing and work automatically.
- All parts used in our machines are selected according to EU standards.

Sieves

Sieves are produced in different diameters or geometries which can be designed as optional in models with sieve.



DL series, optional double layer screen unit.



R series, manual ramp unit with screen.

Pneumatic ramps

Thanks to our pneumatic ramp, ramp lifting and lowering operations can be controlled from the panel. Besides, the PLC software automates the sieving process without operator intervention.

KVM720/R



Pneumatic ramp unit is optional

Manual ramp arm

Ramp lock



KVM220/R



KVM

CIRCULAR TYPE OF VIBRATORS



Technical Features

KVM SERIES



Left-Right working

Motor weight design which can turn clockwise and counterclockwise in our sieve machines. It is available in all models with sieve as standard.

Pneumatic sound cover

Our sound covers are mounted on the chassis in production in order to minimize the noise generated in the vibratory machines. Thanks to its special sound insulation foam, it can reduce the sound level from 93 decibels to 78-80 decibels.



Before / After



Easy changable screen with PU bumpers.



O series, without screen unit.



Waste water drain filter.



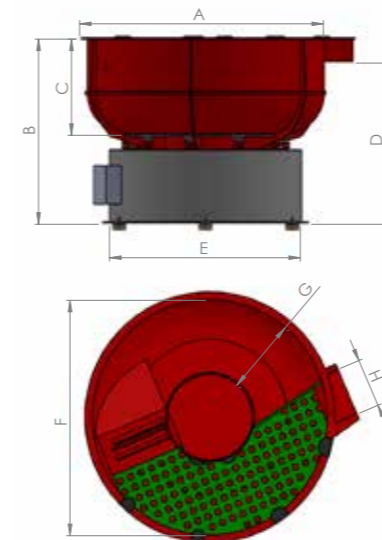
Polyurethane casting process.



Polyurethane lining.

Dosing pumps are standard in all models. The amount of liquid used can be controlled thanks to the pump and it provides an economic advantage.

DESCRIPTION	KVM15	KVM40	KVM120	KVM220	KVM420	KVM720	KVM1000
Total volume of bowl (lt)	18	43	130	280	490	830	1200
Capacity (lt)	8	25-35	70-90	220	300-350	400-550	700-850 Max.
Size of work piece (mm)	90	120	160	180	240	320	360
Bottom P.U. layer of the bowl (mm)	10	10	15	15	15	20	25
Side wall P.U. layer of the bowl (mm)	8	8	12	13	15	18	20
Diameter of working bowl (mm)	410	565	852	1150	1355	1600	1785
Engine power (kW), 380V / 50Hz	0,17	0,37	1,5	2,2	3	4	11
Engine (RPM)	1500	1500	1500	1500	1500	1500	1500
Separating ramp	-	-	Optional	Optional	Optional	Optional	Optional
Dosage pump (5 lt / 7bar)	Standart	Standart	Standart	Standart	Standart	Standart	Standart
Noise isolating cover	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weight (kg)	42	100	225	460	780	1270	1770



DIM.	KVM15	KVM40	KVM120	KVM220	KVM420	KVM720	KVM1000
A	410	565	852	1150	1355	1600	1785
B	520	680	791	1000	1000	1200	1450
C	200	276	315	430	480	595	685
D	-	-	658	830	820	1050	1100
E	330	400	600	855	950	1300	1340
F	345	525	780	1020	1235	1460	1650
G	130	228	284	300	380	445	485
H	-	-	200	320	270	380	380

Dimensions are given in millimeters.



TVM

TROUGH TYPE OF VIBRATORS

Trough Type of Vibrators series linear vibratory finishing machines are used for deburring and polishing the surfaces of all metal and non-metal materials and for making precise polishing and minimizing surface roughness.



Pneumatic sound cover

Sound insulation sponge

TVM40



90 shore polyurethane lining

Long lasting springs

Double layer epoxy paint

Double layer epoxy paint

Media unloading unit

TVM200

Advantages of the TVM series

- You can choose a suitable bowl for long or large parts you produce.
- The internal volume of the bowl can be divided according to the part size. Bowl volume can be adjusted with plates.
- Grinding and polishing in minimum time thanks to bowl design.
- Vibration impact can be reduced or increased mechanically (by weight).
- Our high-performance vibration motor is long-lasting and minimizes your service costs.
- Long bowl life thanks to our abrasion-resistant elastomer type (90 Shore) polyurethane coating.
- Resistance to acidic environments with double layer epoxy paint.
- High efficiency with custom-design bowl and chassis height and spring design.
- Noise level is minimized with the optional Pneumatic Acoustic cover.
- As the vibration level can be adjusted with our speed-controlled panels, the most precise surface finishing is ensured on metal and non-metal surfaces.
- Minimum consumption of liquids used in degreasing, deburring, and polishing processes is ensured by means of dosing pump.
- TVM Series electrical panels can work in accordance with automation systems with PLC software.
- TVM Series can be integrated into the press lines that are continuously producing and work automatically.
- All parts used in our machines are selected according to EU standards.

Separating Walls

Separating walls are optional. The number and spacing of the walls are determined according to the product size.



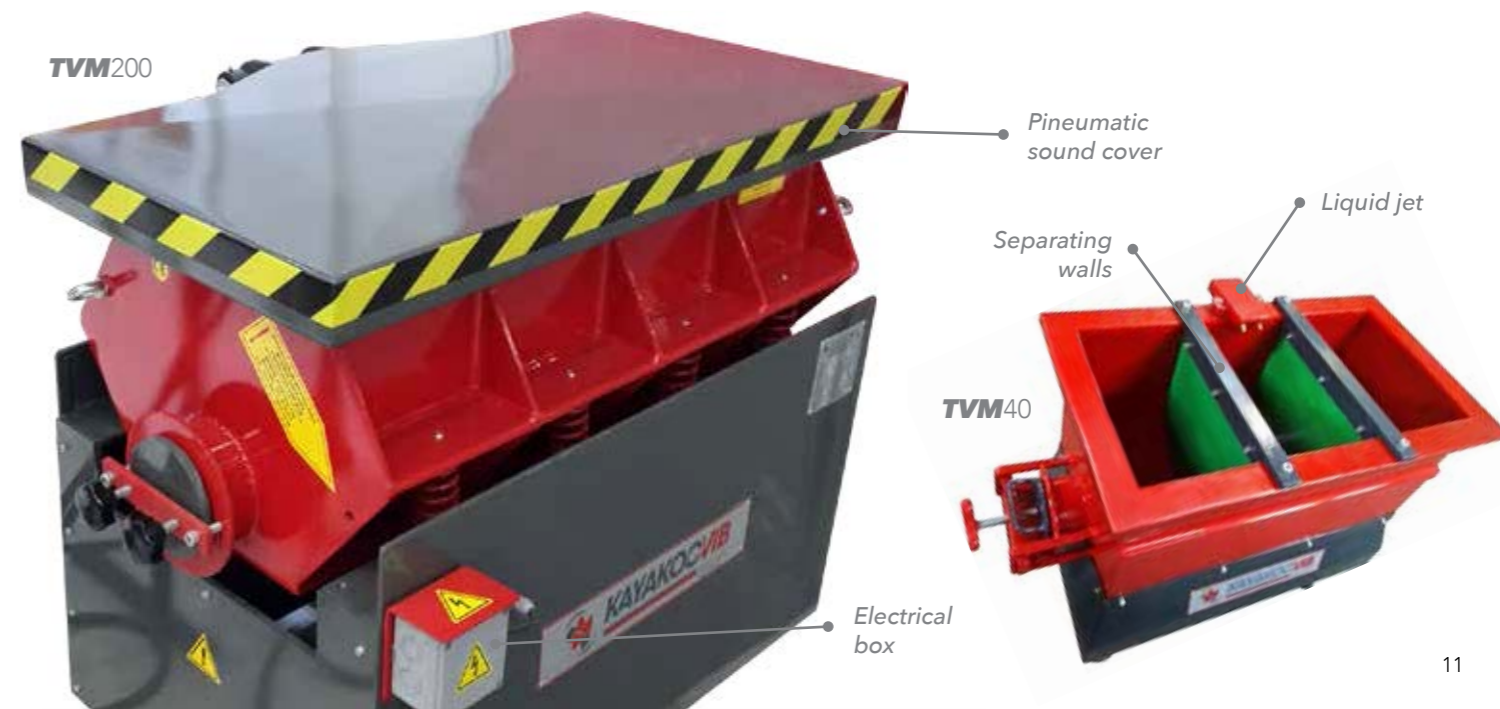
Single separating wall application.



Multi separating walls application.

Vibratory bowls

Vibratory bowl sizes are classified based on volume (liter). The appropriate bowl volume is selected according to the geometric structure of the parts and daily production quantity.



TVM200

Pneumatic sound cover

Separating walls

Liquid jet

TVM40

Electrical box

They are particularly preferred because the long length of the work bowl allows long and large parts to fit into the bowl and be tumbled easily in the deburring and polishing process.



TVM

TROUGH TYPE OF VIBRATORS



KAYAKOCVIB
SINCE 1974
SURFACE FINISHING MACHINES

Technical Features

TVM SERIES



TVM500 Long Back side
A. 2x Pneumatic sound cover
B. 2x Dosing pump
C. 2x Liquides valve
D. Electrical box
E. Air connection
F. 2x Water drain valve



Dosing pumps are standard in all models. The amount of liquid used can be controlled thanks to the pump and it provides an economic advantage.



2x vibro motors are used in long machines.



TVM500 series, without separating wall.



Waste water drain filter.



Some units are used 2x in long machines.



Media unloading unit.

DESCRIPTION	TVM15	TVM40	TVM100	TVM200	TVM350	TVM500	TVM500 Long	TVM1000
Total volume of bowl (lt)	23	53	130	240	380	550	550	1180
Bottom P.U. layer of the trough (mm)	10	10	15	15	16	18	18	25
Side wall P.U. layer of the trough (mm)	6	8	10	12	12	16	12	18
Dimensions of working trough (mm)	490x225x230	590 x 290 x 290	1000 x 400 x 400	1240 x 440 x 475	1250 x 520 x 520	1580 x 580 x 645	2300 x 450 x 470	1750 x 820 x 850
Engine power (kW), 380V / 50Hz	0,1	0,55	1,1	1,5	1,1x2	1,1x2	1,1x2	4x2
Engine (RPM)	1500	1500	1500	1500	1500	1500	1500	1500
Dosage pump (5 lt / 7bar)	Standart	Standart	Standart	Standart	Standart	Standart	Standart	Standart
Noise isolating cover	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Weight (kg)	110	175	300	400	750	1050	1180	2500
Special el. box (included speed control)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Noise isolating cover	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Dimensions are given in millimeters.