HANGZHOU KAFAN MACHINERY & EQUIPMENT CO.,LTD



- VIBRATORY POLISHING MACHINE
- POLISHING MEDIA
- POLISHING CHEMICALS

Vibratory Polishing & Deburring Machines

KF-A Series | Vibratory polishing machine

Size: 40L, 60L, 80L, 95L, 150L, 250L, 350L, 450L, 650L, 950L



KF-60A



KF-150A



KF-350A

KF-AB Series | Vibratory polishing machine with automatic seperation of parts.

Size: 95L, 150L, 250L, 350L, 450L, 650L, 950L



KF-150AB



KF-350AB





KF-B Series | Curved bowl vibratory polishing machine with automatic seperation of parts.

Size: 150L, 350L, 450L, 650L, 950L



KF-150B



KF-350B



Vibratory Finishing Machine

Remarks:

- If the workpiece is relatively large, choose the A type.
- If the workpiece is relatively small, choose the AB type
- If the workpiece is relatively small, but the hardness is relatively high, choose the B type which tumbles faster, squeeze stronger







More options:

- Manual parts separation dam
- Quick change media discharge plug
- Variable frequency drive to change rotation speed
- Automatic parts unload

Vibratory finishing machine with free noise cover

Vibratory tumbler with cover causes no noise, no spreading out of polishing compound, which is safer and environment-friendly.





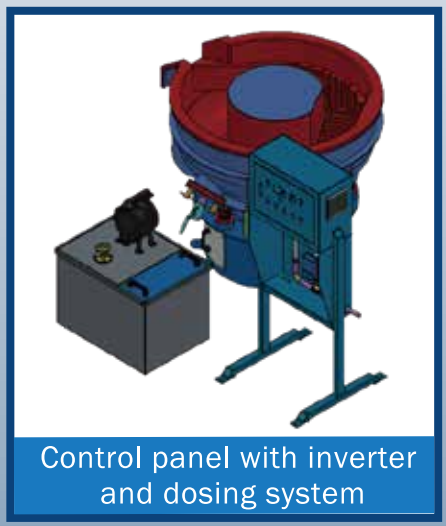
Electrical Control

Allow the integrated control of all functions, PLC optional.







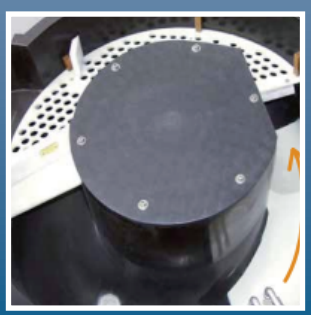


Control panel with inverter and dosing system

Other choices available as below:

Operator-assisted separation of media from parts:

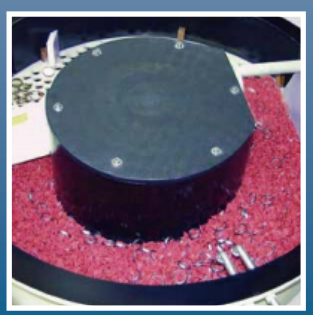
Due to their shape, size or fragility, certain parts cannot be automatically separated from the media. The manually inserted and easy to handle speraration gate allows such gentle separation. Of course, pneumatically activated separation flaps are also available (R320 EC and bigger)



''Shallow'' incline of the process channel



Manually inserted separation gate



Separation of media and parts



Pneumatically activated separation flap

Vibratory Polishing Machine

Mainly used in bicycles, aluminum die casting, zinc die casting, furniture hardware accessories, clothing hardware accessories, luggage hardware accessories, glasses accessories, watches andclocks accessories, locks, electronic accessories, all kinds of jewelry, jewelry and powder metallurgy, resins.

Vibratory Polisher Features:

- Use special vibration motor, reliable performance, low maintenance, cost-effective production.
- Creates strong amplitude and high cutting force, suitable for grinding large quantities of workparts in small sizes.
- The process will not destroy the original size and shape of the workpiece.
- Can be custom-made with frequency control, time control, and environmental protection cover.

Technical parameters

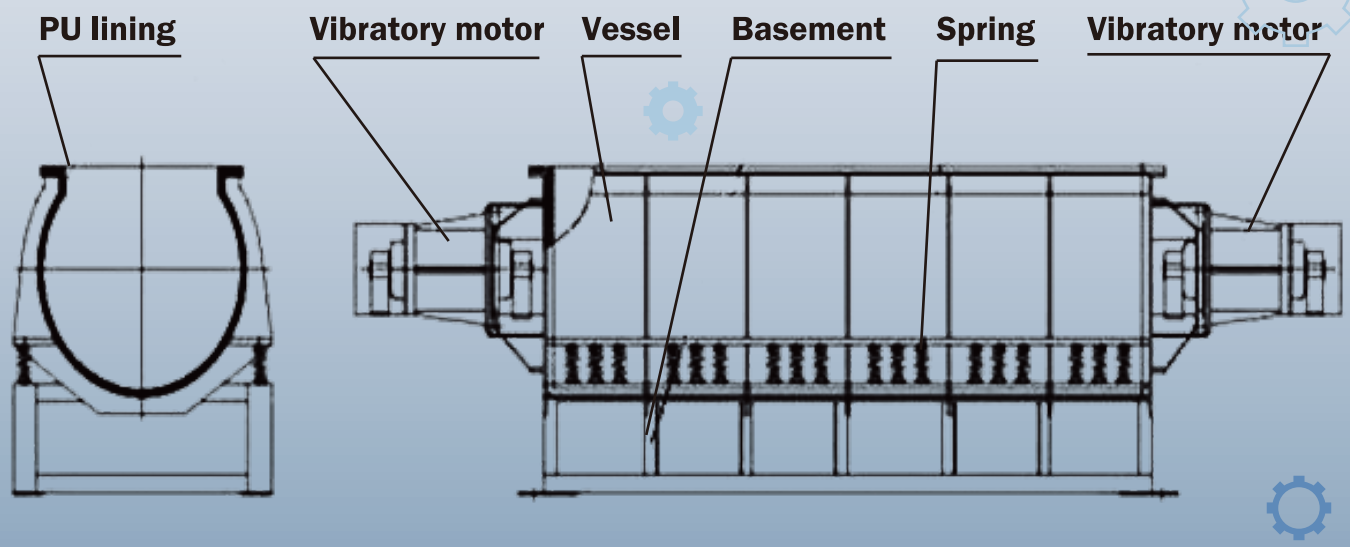
Model	Capacity(L)	Motor power(kw)	Speed (r/min)	Amplitude (mm)	Rubber lining(mm)	Weight (kg)	Size L*W*H(mm)
KF-40(A)	40	0.55	1450	0.8-3	6-12	65	600*500*600
KF-60(A)	60	0.75-1.1	1450	0.8-3	6-12	100	700*640*700
KF-80(A)	80	1.1	1450	0.8-3	6-12	110	840*640*740
KF-95(A)	95	1.1	1450	0.8-3	6-12	125	860*800*750
KF-95(AB)	95	1.1	1450	0.8-3	6-12	125	860*850*750
KF-150(A)	150	2.2-3.0	1450	0.8-4	6-15	380	1150*1050*900
KF-150(AB)	150	2.2-3.0	1450	0.8-4	6-15	380	1150*1100*900
KF-150B	150	2.2-3.0	1450	0.8-4	6-15	380	1150*1100*900
KF-250A	250	3.0	1450	0.8-6	6-20	550	1350*1200*950
KF-250AB	250	3.0	1450	0.8-6	6-20	550	1350*1200*950
KF-350(B)	350	5.5	1450	0.8-6	6-20	800	1500*1350*1050
KF-350(A)	350	5.5	1450	0.8-6	6-20	800	1450*1350*1050
KF-350(AB)	350	5.5	1450	0.8-7	6-20	800	1450*1350*1050
KF-450(B)	450	5.5	1450	0.8-7	6-20	1000	1450*1350*1050
KF-450(A)	450	5.5	1450	0.8-6	6-20	1000	1550*1430*1050
KF-450(AB)	450	5.5	1450	0.8-7	6-20	1000	1600*1430*1050
KF-650(A)	650	7.5	1450	0.8-8	6-20	1500	1900*1850*1300
KF-650(B)	650	7.5	1450	0.8-8	6-20	1500	1850*1800*1400
KF-650(AB)	650	7.5	1450	0.8-8	6-20	1500	2000*1850*1300

Tub-style Vibratory Tumbling Machine

Application:

- The rectangular tub is suitable for finishing long-length workpieces in high productivity while vibratory bowl can not achieve.
- Can be divided into several smaller compartments to separately processing different workpieces, which avoids them colliding with each other, as well as suitable for delicate components.





Technical parameters:

Model	Capacity (L)	Working space(mm L*W*H=A*C*B	Outer Size(mm) L*W*H (mm)	Weight (kg)	Power(Kw)	PU thickness (mm)	Bearing weight(kg)
KF-150	150	640*450*450	700*500*1000	200	0.55	15-20	150
KF-200	200	1000*380*450	2100*480*750	350	1.1(double)	15-20	250
KF-350	350	1300*500*500	2400*600*800	480	1.5(double)	20-27	400
KF-370	370	1000*550*650	2100*750*750	480	1.5(double)	20-27	400
KF-600	600	1200*680*700	2300*700*1000	700	2.2(double)	20-27	600-800
KF-600S	600	920*850*750	2370*1180*1400	900	3(double)	20-27	1000
KF-700	700	1300*700*750	2400*800*1050	780	3(double)	20-27	1200
KF-700S	700	900*920*800	2350*1250*1450	1000	3(double)	20-27	1200

Tub-style Vibratory Tumbling Machine

Configurations:

- A trough container with high wear-resistant polyurethane lining
- A heavy-loaded base with springs uniformly arranged
- Specially designed with high performance electric vibration motor
- Tub sizes can be customized based on requirements
- Available with custom quantities of divider devices
- Available with independent electric control cabinet.









Vibratory Wheel Polishing Machine

Application:

Vibratory wheel polishing machine is specially designed for wheel surface cleaning and polishing.
It is capable of turning a dull rim into a shiny one automatically.
It is a good helper for the wheel repair shop.



Model: KF-23
The number of single-machine polished wheels: 1
Wheel processing range: 23 inches -12 inches
Rated power: 1.1KW-1440r/min/2sets
Exciting force: 30KN
Rated frequency: 50HZ
Rated voltage: 380V 3phase(Or customized voltage)
Inner barrel size: Φ690*H540 mm
Inner barrel lining material: PU glue
PU glue thickness: 20mm
Capacity: 200L
Dimension: L1500*W1300*H1285mm



KF-23

Vibratory Wheel Polishing Machine



KF-30

Model: KF-30
The number of single-machine polished wheels: 1
Wheel processing range: 30 inches -12 inches
Rated power: 1.5KW-1770r/min/2sets
Exciting force: 60KN
Rated frequency: 50HZ
Rated voltage: 380V 3phase
Inner barrel size: Φ940*H590 mm
Inner barrel lining material: PU glue
PU glue thickness: 20mm
Capacity: 420L
Dimension: L1850*W1600*H1400mm





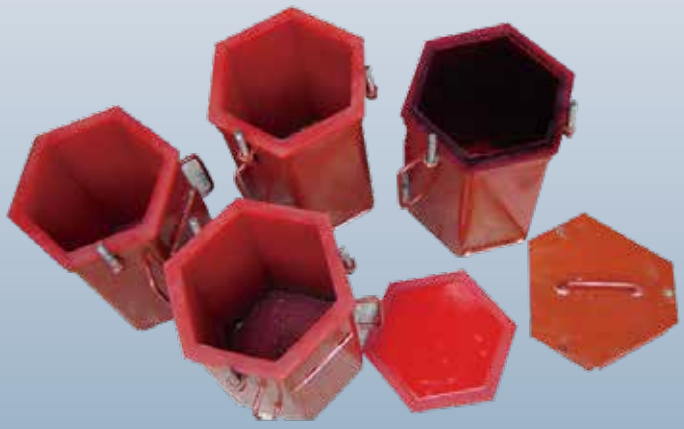
Centrifugal Barrel Finishing Machine



KFW-40/60/80A

Features:

- Applies centrifugal force theory to process the workpart with improved efficiency of 10-20 times.
- Application to process small sized workpart, which requires high brightness and smoothness
- It enjoys the high capacity, easy operation and high capacity.



Model	Capacity (L)	Motor power	Speed	Inner ling	Weight	Size (L*W*H) mm	Tub opening size & Inner size (L*W) mm
KFW-15A	2*7.5 L	1.1KW	185 r/min	5-8 mm	200kg	850*880*980	270*95 Inner size
KFW-30A	4*7.5 L	1.5KW	185 r/min	5-8 mm	350kg	970*990*1175	270*95 Inner size
KFW-40A	4*10 L	2.2KW	165 r/min	6-10 mm	800kg	1100*1000*1400	Customize
KFW-60A	4*15 L	5.5KW	165 r/min	8-12 mm	1000kg	1150*1100*1700	400*95
KFW-80A	4*20 L	5.5KW	145 r/min	8-12 mm	1200kg	1300*1250*1815	420*120
KFW-100A	4*25 L	5.5KW	120 r/min	10-15 mm	1300kg	1500*1600*1900	Customize
KFW-120A	4*30 L	5.5KW	120 r/min	10-15 mm	1400kg	1610*1700*1990	430*150
KFW-200A	4*50 L	7.5KW	105 r/min	10-15 mm	1650kg	1650*1870*2100	Customize

Centrifugal Barrel Polishing Machine



KFW-30A

There are three options of material: rubber, PU and colloid. Grinding roller is loaded horizontally and inclinedly. Transmission methods includes chain drive, synchronous belt drive and gear drive.

In addition, speed motor and frequency control can also be provided.



KFW-15A





Rotary Barrel Finishing Machine



Features:

- Using the principle of centrifugal movement, light finishing rate, improve work efficiency 5-10 times.
- For large and medium-sized batch of light finishing he workpiece, particularly applicable to the workpiece with a special cavity, with low noise, easy of operation and other advantages

Model	KF-100-S	KF-160	KF-300-S
Capacity	100L	160L	300L
Motor power	1.1KW	1.5KW	3.0KW
Speed	50r/min	50r/min	50r/min
Inner ling	6-12 mm	6-12 mm	6-12 mm
Weight	200kg	250kg	300kg
Size (L*W*H) mm	820*760*1000	1000*800*1100	1200*950*1350

Barrel Finishing Machine



Model (Type)	Capacity (L)	Grinding cylinder	Power (kw)	Speed (r/min)	Liner ling	Weight (kg)
KF-50	50	40*45cm	0.75	33-39	8-12mm	100
KF-100-E	100	50*50cm	1.1	33-39	8-12mm	150
KF-150	150	60*60 cm	1.5	33-39	8-12mm	200
KF-200	200	65*65 cm	2.2	33-39	8-12mm	250
KF-300-E	300	65*100 cm	3	33-39	8-12mm	350
KF-400	400	70*100 cm	3	33-39	8-12mm	400
KF-500	500	90*100 cm	4	33-39	8-12mm	500

Vibration Sorting Machine Series



Uses: sorting the workpiece and abrasive

Type	KF-50-S	Working groove diameter(mm)	1100*450
Capacity	50(L)	Liner ling(mm)	5-8
Motor power	0.25*2(kw)	Size(L*W*H) (mm)	1800*770*760
Power(v/hz)	220-380/50-60Hz	Weight(kg)	200
Motor speed	1400(r/min)		

Centrifugal Disc Polishing Machine



KF-W120L

Features:

- Using the original eddy current flow principle, superior finishing efficiency, improve work efficiency 15-30 times.
- According to the need to select the turntable speed, easy to operate
- Fixed slot and turntable lining polyurethane rubber, high strength, wear resistance, and service life

Model	Capacity diameter	Capacity (L)	Allowed load	Speed (r/min)	Motor (kw)
KF-W50L	500mm	50	25 (L)	50-250	2.2
KF-W120L	700mm	120	50 (L)	40-200	5.5

[PU glue]

Centrifugal disc polishing machine

Features:

Manual discharge, you can tilt the fuselage design, easy to discharge



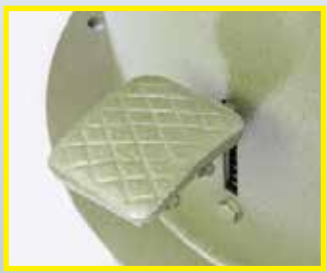
KF-W50L

Centrifugal Dryer











- Hot air centrifugal dryer is used to ensure the parts stain-free and corrosion free dried, following wet mass finishing processing,
- Which is very important for the parts to be painted as a final operation, most suitable for processing small parts.
- Drying by hot air and cavnum
- Inner centrifugal basket made of stainless steel with holes, water removed from the surfaces of the parts by centrifugal force which increases working efficiency.
- Heated air shortens the drying time and evaporates the moisture and protects parts from rust and corrosion.
- Inverter variable speed control for more process options.
- Protect device shuts off power automatically when processing finished or the cover opened.

Model	Maximum load(kg)	size(mm)	Electrical Power(Kw)	voltage(v)	Motor speed (r/min)
KF-35	35	400*300	0.75	380	665
KF-70	70	500*400	1.1	380	551
KF-35A	35	400*260	0.75	380	551
KF-70A	70	480*290	1.1	380	551

Grinding and Polishing Compound

Polishing liquid is prepared by a variety of chemical solution, it has an important role in the polishing process, a reasonable choice of polishing fluid, can make the workpiece out of the beautiful surface, bright and colorful dazzling, but also to prevent the corrosion of the workpiece And to improve the surface of the workpiece to play the role of cleaning. Remove the oil, soften the workpiece surface to accelerate grinding, reduce the impact of abrasive on the workpiece, improve working conditions. It is non-toxic, non-corrosive, easy to degenerate and other properties. Many types of polishing fluid should be selected according to processing conditions. In the polishing efficiency, the workpiece grinding quality, polishing finish, etc., polishing liquid shows a unique effect. Polishing liquid is divided into grinding fluid, cleaning agent, brightener (gloss agent) protective agent, in addition to oil, in addition to wax water, rust liquid






Grinding fluid		Brightener		Cleaning agent	Rust liquid
Common	Copper alloy	Aluminum products	Zinc alloy	Common	Common
Stainless steel	Zinc alloy	Aluminum alloy	Stainless steel	brightener	Dehydration
Aluminum alloy	Pure aluminum	Copper alloy			

Polished workpiece




Mass Finishing Media

We produce all kinds of mass finishing media chips, plastic media for polishing.



There are different shapes: Cone, Tet, Pyramid, etc Besides, we can supply polishing media of special and specifications designed according to customer's demands. selection of shape and specifications according to the material, shape and surface condition of workpiece and its demands for finish



Oblique Cylindrical White Aluminum Oxide



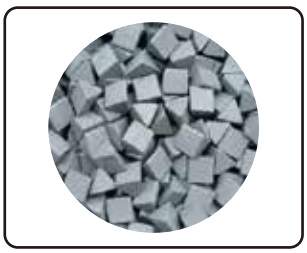
Oblique Triangle White Aluminum Oxide



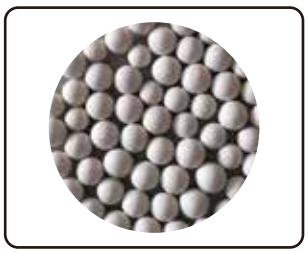
resin abrasive



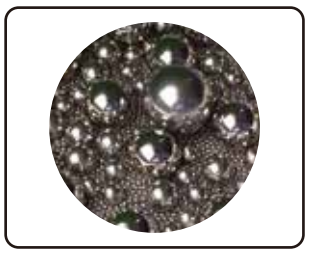
Plastic Abrasive



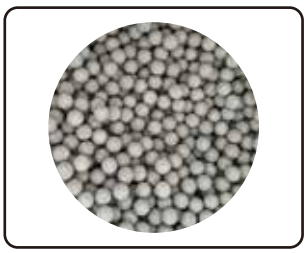
Oblique Triangle Brown Aluminum Oxide



Ball Shape White Aluminum Oxide



Ball Shape Stainless Steel



Ball Shape Oblique Triangle White Aluminum Oxide



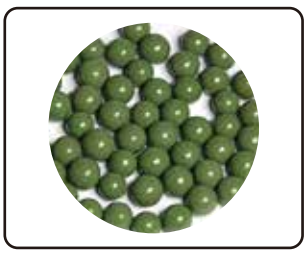
Dish Shape Stainless Steel



Chromium Aluminum Oxide



Alumina Ceramic Cylinder



Green High-alumina Porcelain Ball

The main specifications are:

Positive triangular angle: 3*3, 4*4, 6*6, 8*8, 10*10, 12*12, 15*15, 17*17, 20*20, 25*25, 30*30 and so on

Right oblique column: 4*8, 5*10, 6*12, 7*15, 8*16, 10*20, 12*25, 15*30, 18*36, 20*36, 25*40 and so on

Ball: 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 18, 20, 25, 30

Diamond, star: customized according to user requirements



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