

Prime Chemicals-Pakistan

VIBRATORY POLISHING MACHINES AND CONSUMABLES

APPLICATIONS :

Deburring : In conventional deburring process such as chamfering , belt grinding , counter sinking etc.. which again creates new burrs , while in vibratory finishing removes the burrs and impart a consistence finish on parts and components .

In addition to the deburring process semeltenosly vibratory finishing can be utilize for the different applications as Preplating finishing, Brightening, Smoothing, polishing, Burnishing, Edge Radiusing, De-rusting, Fine mark removing, cleaning , De-scaling, De-Gressing, Deflashing, Micro Finish Improvements

BASIC of the machines :

Rotational vibratory motion created by the motor and eccentric weights at high frequency is transmitted to the processing bowl and its contents (parts, media and compound) with the net effect of the media scrubbing the parts to deburr or polish, and finish.

Bowl vibrators are high-tech vibratory bowl machines for the surface finishing of all types of components. The bowl vibrators are manufactured using state of the art technology to produce incredibly resilient and ultra durable work chambers and based.

Bowl lining : Available in Hot PU Cast lining and Polyurethane rubber linings.

High Frequency/High Amplitude Vibratory Mass Finishing

Heavy-Duty Motor

Adjustable Amplitude and Lead Angle

Convenient Discharge Door

Extended Screen Deck -optionally

Sound cover-optionally

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Vibratory Bowl With Manual Seperation Machines with parts media separation in manual method.

Model	Processing volume in liters.	Motor power (HP)	Bowl O.D.(mm)	Bowl chamber width(mm)
JFM-25	25	0.5	700	165
JFM-50	50	0.75	800	190
JFM-75	75	1.0	850	220
JFM-150	150	2.0	1050	270
JFM-200	200	2.5	1150	300
JFM-300	300	3.0	1350	350
JFM-600	600	7.5	1500	400



Bowls with customized specifications/requirements with special applications or dimensions can be designed and manufactured .

Vibratory Bowl With Automatic Seperation

This machines have inbuilt separation facility, after completion of finishing process by tilting the flapper mechanism and in screen, the parts –media separated automatically .

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Model	Processing volume in litre	Motor power (HP)	Bowl O.D.(m.m)	Bowl chamber width(m.m)
JFMA-75	75	1.0	850	220
JFMA-150	150	2.0	1050	270
JFMA-200	200	2.5	1150	300
JFMA-300	300	3.0	1350	350
JFMA-600	600	7.5	1500	400



Heavy Duty Ball burnishing bowls for Steel Media (BURNISHING APPLICATION)

Model	Steel Media Capacity in Kgs.	Motor power (HP)	Bowl O.D.(m.m)
JFBS-50	500	50	1250
JFBS-100	100	1.0	700
JFBS-200	200	1.5	800
JFBS-350	350	3.0	1000
JFBS-500	500	5.0	1200
JFBS-900	900	7.5	1350

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Abrasive Media

The quality of media used in mass finishing is a very crucial matter. Proper selection of media will effects the process time, costs and finishing results.

Jeet finishing machines provided the best FINISHING solution for your finishing needs , we always suggest the best media with the most economical prices which reduce your operating cost significantly.

Vibratory finishing media transmits the energy from the machine to the work piece. It carries the compound for cleaning or brightening and protects the parts.

The weight and size of the media has a lot to do with the amount of work it is capable of doing.

Heavier and larger media cut faster and do more work because the higher surface area and mass. A smaller media will create a tighter mass capable of holding more fluid, and with less voids within the mass it will work to protect the part.

The shape of the media allows it to get into an area to get something done or stay out of an area so it will not lodge. A round or cylindrical shape will finish better because of single point contact with the part, a flat shape, such as a triangle, has a wide surface to rub over an edge allowing quicker deburring.

Ceramic Media

The cutting abrasive bonded with ceramic is most commonly aluminum oxide of different grit size.

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Silicon carbide grit is also used in ceramic media. Ceramic media is a very popular choice in finishing processes because of its long lasting and clean running characteristics. There are different grades of cut within the ceramic media family:

Polish

Medium Cut

Fast Cut

Super Fast Cut

High Density Fast Cut

Light Weight(low density)



Plastic Media

Plastic media is known by its bonding agent. The two primary bonding agents of plastic are:

- **Polyester**
- **Synthetic**

Plastic media in most cases does not cut as fast as ceramic.

Below are a number of advantages of plastic medias:

- Light weight and soft bonding agents allow it to wear a burr off with out rolling the burr onto the part.
- Certain plastic shapes, particularly a wedge, will sharpen as it wears allowing points to get into inside radiuses of parts.

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- In large mass finishing systems with large parts, hard medias compressed between the machines sidewall and the rotating part can gouge and damage the part. Softer plastic medias tends to eliminate this type of damage.



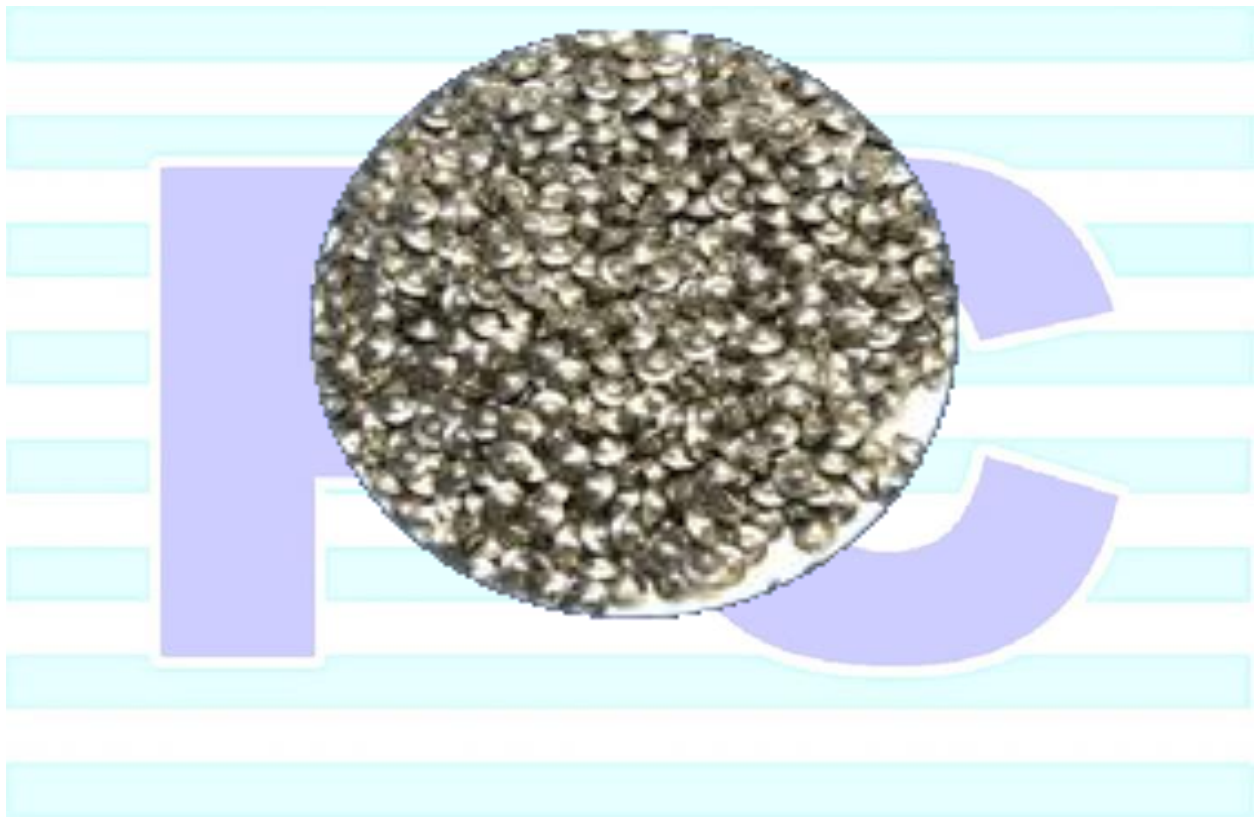
Stain less Steel Media

Steel media is made out of stain less steels in different shapes. Steel media is used in vibratory or barrel mass finishing to burnish, clean, dull edges, and smooth finishes.

Steel media can last 10 years, and runs very clean. The media is available in a variety of shapes and sizes.

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Specially built heavy duty burnishes machines are usually required to run steel because of it's weight.
Process times are relatively short.



Brighteners & Compounds

Mass finishing process for achieving the perfect finishing is use of proper chemicals or compounds .

We develop wide range of different chemicals and compounds to suite your different finishing needs .

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Alkaline chemicals and powders for applications as deburring , cleaning , de-scaling , scale removing , polishing etc..

Chemical and compounds for non ferrous metals for vibratory finishing machine sand centrifugal finishing machines .

Burnishing chemical or Brightener for mirror finishing of ferrous components .



Guarantee

Our guarantee extends to the continuous quality of our products as they leave our factory and not to their usage in the field. Our technical service will be pleased to answer any question you may have concerning operation and use of our products:

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A large, stylized logo consisting of the letters 'P' and 'C' in a bold, purple font. The letters are set against a background of horizontal light blue stripes. The 'P' and 'C' are slightly offset from each other, with the 'C' being larger and positioned to the right of the 'P'. The entire logo is centered horizontally and vertically within the page.