

# POKAR<sup>®</sup>

Quality and Perfection,  
Stay in touch



## ABOUT COMPANY

We Balaji Engineers established in the extended time of 2001, Balaji Engineers has turned into the main producer of Jewellery Polishing Machinery at Rajkot, Gujarat. Balaji Engineers has become one of the greatest names in the assembling of Jewellery Polishing Machinery, both in India, just as at a global level. Today Balaji Engineers has turned into a top notch association in view of its standing of keeping up with excellent principles in item range.

Company offers wide scope of items, including Vibrator Polishing Machine, Magnetic Polishing Machine, Vacuum Buff Polisher, Dryer Machine, All kind of Media. Every one of the machines are accessible in various sizes and structure. Because of its excellent and manageability, Jewelry Polishing Machinery is consistently on ascent.

## Our Mission

Balaji Engineers expects to enhance quality and guarantee that Jewellery Polishing Machinery becomes a name to deal with all through the world.

## Our Vision

We, at Balaji Engineers, mean to accomplish greatness in each product we sell, each service we give. Our obligation to customer loyalty is outright and we generally plan to outperform our clients' assumptions. Our vision is to serve the client with unparalleled Quality and Service at each side of the globe and to turn into a worldwide trailblazer in the field of our item.

Vibrator Polishing Machine fuses a Synthetic Rubber (SR) or POLYURETHANE (PU) lined bowl of 'U' cross area mounted on definitively determined springs. The machine is driven by a profoundly effective vibratory motor. The open top of the bowl can be stacked with reasonable ceramic/plastic or steel media and parts to be handled. Since the parts and the media are moving at little additions on each stroke, the parts are not exposing to extreme pressure or harm. Vibratory completing is the favoured reasonable decision for general deburring; getting done, and edge-radiusing, pre-plate finish, and so forth of fragile or weighty parts and for accuracy deburring/wrapping up.



| Product                 | Media Cap. | Tub Size | Motor Size |
|-------------------------|------------|----------|------------|
| VIBRATOR MACHINE 500gm. | 5Kg.       | 9X4X4    | 0.12 HP    |
| VIBRATOR MACHINE 1kg.   | 10Kg.      | 10X6X6   | 0.25 HP    |
| VIBRATOR MACHINE 2kg.   | 15Kg.      | 14X6X6   | 0.5 HP     |
| VIBRATOR MACHINE 3kg.   | 20Kg.      | 15X7X7   | 0.5 HP     |
| VIBRATOR MACHINE 5kg.   | 25Kg.      | 17X7X7   | 0.75 HP    |
| VIBRATOR MACHINE 7kg.   | 40Kg.      | 20X8X8   | 0.75 HP    |
| VIBRATOR MACHINE 8kg.   | 50Kg.      | 20X9X9   | 1 HP       |
| VIBRATOR MACHINE 10kg.  | 60Kg.      | 22X10X10 | 1 HP       |
| VIBRATOR MACHINE 12kg.  | 80Kg.      | 24X12X12 | 1 HP       |



This is programmable magnetic polisher having auto reverse /forward action with advanced digital display. The machine is constrained by solid sensible single stage motor and fitted with shocking quality magnets to give most outrageous ability to better cleaning quality and for long life.

These attractive polishers are available in various sizes. The machine is provided finished up with suitable attractive media, cleaning arrangement and cleanser.

This is programmable magnetic polishing machine. It has auto reverse/forward operation with digital display. This machine is used on single phase motor with 230V.



| Product                 | Media Cap. | Tub Size | Motor Size |
|-------------------------|------------|----------|------------|
| Magnetic Machine 250gm. | 150gm.     | 6"       | 0.12 HP    |
| Magnetic Machine 500gm. | 400gm.     | 8"       | 0.5 HP     |
| Magnetic Machine 1kg.   | 800gm.     | 10"      | 0.5 HP     |
| Magnetic Machine 2kg.   | 1kg.       | 12"      | 1 HP       |



Vibro machine is driven by a highly efficient vibratory motor. The open top of the bowl can be loaded with suitable ceramic / plastic or steel media and parts to be processed. It can shake parts and media at high speeds, causing the media to scrub the surface of the parts in an action similar to lapping. Vibro machine produce very smooth surfaces, are safe for delicate or heavy parts and have very good action inside recesses and holes. Vibro machine is the cheapest choice for general deburring, finishing and edge-radiusing, pre-plate finish, etc. Available with speed controller and without speed controller.



| Product           | Processing Volume(Litre) | Tub Size  | Motor Size (3 PHASE) |
|-------------------|--------------------------|-----------|----------------------|
| VIBRO MACHINE 15" | 20 L                     | 15" X 8"  | 1 HP                 |
| VIBRO MACHINE 20" | 40 L                     | 20" X 8"  | 2 HP                 |
| VIBRO MACHINE 24" | 80 L                     | 24" X 9"  | 2 HP                 |
| VIBRO MACHINE 36" | 150 L                    | 36" X 11" | 3 HP                 |
| VIBRO MACHINE 48" | 250 L                    | 48" X 14" | 3 HP                 |

## Working Principle

This Programmable Magnetic Polishing Machine uses a strong magnetic field to spin tiny stainless steel pins at high speed. As these pins move, they gently clean, polish, and remove small burrs from metal or plastic parts. The machine automatically switches between forward and reverse rotation to ensure even polishing. It also features a digital display for easy control and precise operation.

Designed to operate on a three-phase 440V motor, the machine delivers consistent and reliable performance, making it ideal for finishing a wide range of components, including:

- Vacuum-cast jewelry
- Diamond-set pieces
- Fine/light hardware
- Non-ferrous metal components
- Rigid plastic products

## Functions

**Surface Polishing & Deburring:** Effectively removes rust, oxidation, and burn marks.

**High Efficiency:** Achieves smooth finishes in significantly reduced processing time.

**Complex Part Handling:** Ideal for parts with intricate designs, inner holes, vices, or screw threads.

**Precision Finishing:** Maintains high standards of surface integrity and detailing, especially for delicate items such as jewelry and precision tools.



| Product                | Media Cap. | Tub Size | Motor Size (3 PHASE) |
|------------------------|------------|----------|----------------------|
| Magnetic Finisher 5kg. | 2kg.       | 18"      | 2 HP                 |
| Magnetic Finisher 8kg. | 3kg.       | 22"      | 3 HP                 |



The drying equipment may dry things of all sizes, shapes, and types as long as the materials employed don't react dangerously when heated to a maximum of 90 degrees or when they come into touch with the sawdust that the equipment uses as a drying element.



| Product            | Motor Size | Bucket Diameter | Heater |
|--------------------|------------|-----------------|--------|
| Dryer Machine 1kg  | 0.12 HP    | 6"              | 1500W  |
| Dryer Machine 3kg  | 0.5 HP     | 8"              | 1500W  |
| Dryer Machine 5kg  | 0.5 HP     | 10"             | 2000W  |
| Dryer Machine 10kg | 0.5 HP     | 12"             | 2000W  |



## Working Principle

These cleaners can be easily controlled with the knob provided on the front of the device. Our range is available in various sizes and design. These are appreciated for their durable design, efficiency and optimum performance with delicate cleaning application.

## Single Station Vacuum Polisher

### Specifications:

- Power Supply: 220V AC, Single Phase
- Polisher Motor: 0.75 HP, 2800 RPM
- Suction Motor: 1 HP, 2800 RPM
- Powder Coated Body
- Aluminium Balanced Rotor
- Foldable Jari
- LED Light
- Powerful Suction System
- Easy Filter Bag Replacement
- 1 Cotton Filter Bags
- Machine Size: 26" x 22" x 45"
- Weight: 70 Kg



## Double Station Vacuum Polisher (Regular Model)

### Specifications:

- Power Supply: 220V AC, Single Phase
- Polisher Motor: 0.75 HP, 2800 RPM
- Suction Motor: 1.5 HP, 2800 RPM
- Powder Coated Body
- Aluminium Balanced Rotor
- Foldable Jari
- LED Light
- Powerful Suction System
- Easy Filter Bag Replacement
- 2 Cotton Filter Bag
- Approx. Weight: 135 Kg
- Machine Size: 50" x 28" x 45"



### Jewellery Filing Table with Dust Collector

A jewellery filing table with a dust collector is a special work table used in jewellery making. It collects dust and small metal particles created during filing, grinding, and polishing.

#### This helps to:

- Recover valuable metals like gold, silver, and platinum
- Keep the work area clean
- Reduce dust in the air

#### Specifications:

- Single suction vacuum system
- 1 HP high-power suction motor (2800 RPM)
- Available in both Single Phase and Three Phase options
- 100% powder-coated body structure
- Twin LED lights
- Balanced aluminum rotor
- Single stage filtration system
- Easy-to-change filter bag
- Storage tray provided
- Adjustable foredom motor stand
- Foam hand rest for operator comfort
- Machine Size: 26" (W) × 28" (D) × 51" (H)
- Net weight: 95 kg



## Stainless Steel Balls

Metallic media (Steel Media) either soft or hardened preformed shapes used for polishing. It is available in a variety of shapes and sizes. It can be used for burnishing to achieve maximum luster for decorative purpose, light deburring and heavy duty cleaning.



## Stainless Steel Pins

Metallic media (Steel Media) either soft or hardened preformed shapes used for polishing. It is available in a variety of shapes and sizes. It can be used for burnishing to achieve maximum luster for decorative purpose, light deburring and heavy duty cleaning.



## Magnetic Pins

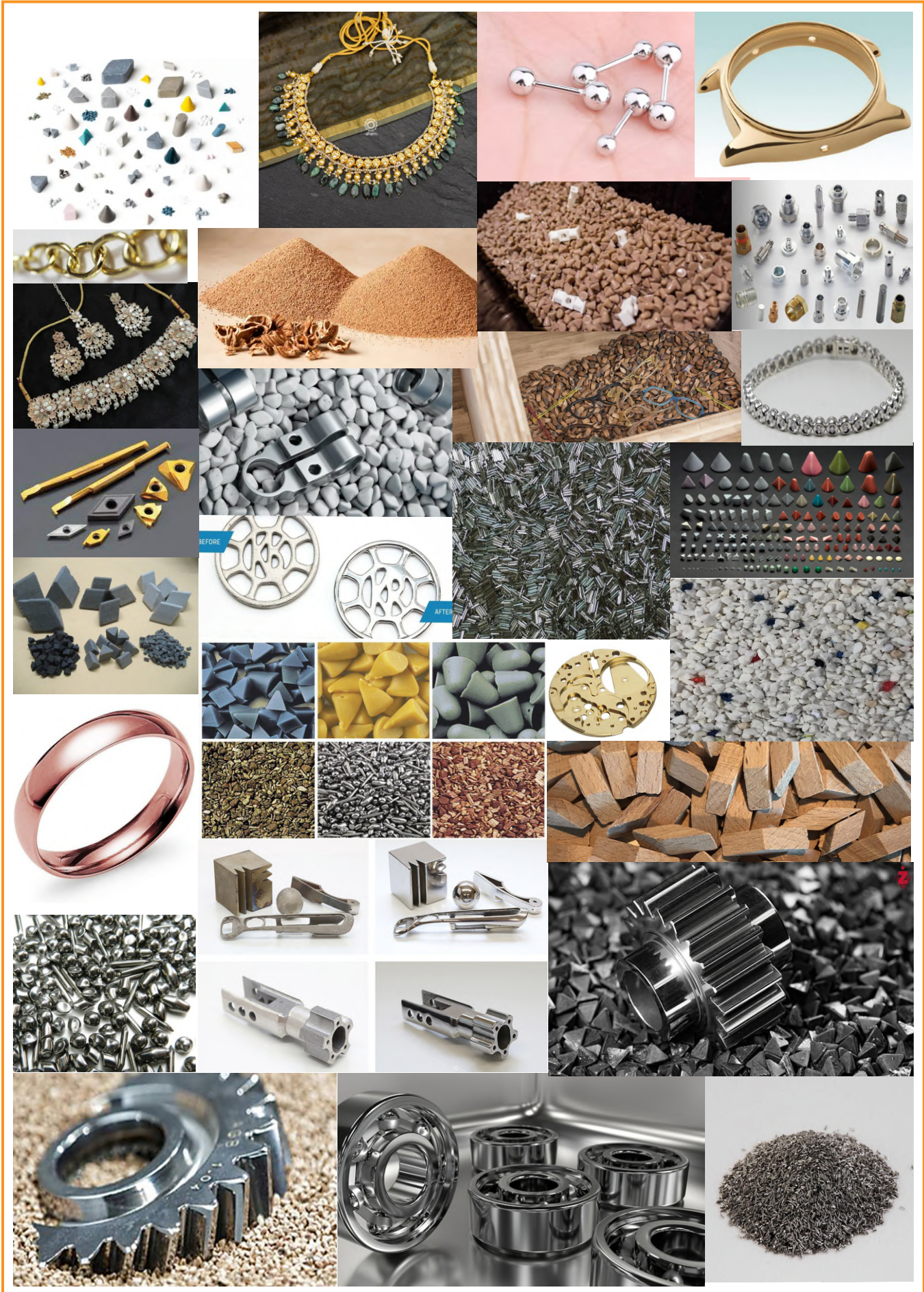
Metallic media (Magnetic Pins) either soft or hardened preformed shapes used for polishing. It is available in a variety of shapes and sizes. It can be used for burnishing to achieve maximum luster for decorative purpose, light deburring and heavy duty cleaning.



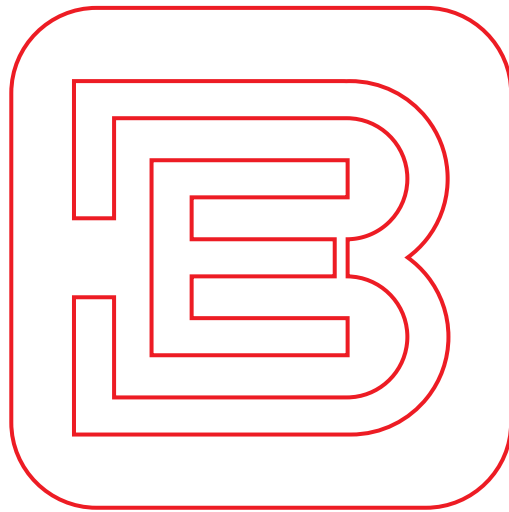
## Ceramic Media

Ceramic bonded media are produced by mixture of porcelain, kaolin clay, river clay or other vitreous materials with various types of percentages of abrasives or without abrasive.





**POKAR**®



Mfg. By

**BALAJI ENGINEERS**

2 - Amrut Udhyognagar, Nr. Maldhari Fatak, Nr. Gulab Nagar, Kothariya, Rajkot 360020

Mo. 96244 00500, 94294 27015 | Email : balajiengineers12@gmail.com | Web.: www.balaji-engineer.com