

## Biggest Vibratory Spiral Machine Manufactured in India



◀ VS1500SPIRAL

We at Gala Precision believe in meeting the challenging needs of productivity and automation as per customer-specific requirements.

### Technical Specifications

Overall Dimensions (ODxH) - (mm)	2400 X 1850
Total volume (Liters)	1500
Chamber Width (mm)	900 - 950
Chamber Depth (mm)	520 - 530
PU-Lining Thickness (mm)	15
Motor HP	10
Motor RPM	1440

### Features

- A bowl of Vibratory finishing machine is made of IS2062 grade B and SA516 grade 70 material.
- The vibratory bowl is stress relieved after fabrication for long life under heavy-duty continuous operation.
- Reliable Vibratory motor manufactured inhouse.
- Separation time as low as 5 Min. for certain components.
- Provided VFD to Variable Speed for process and Separation.
- PLC based Control Panel

### Applications

- Bearing Rollers and Cages
- Disc and Coil Spring
- Machined Parts
- Bearing ring
- Aluminium Die-cast parts
- Drive Chain Parts

## CASE STUDIES

### 1 Deburring and Polishing for Agricultural Machinery Part

**Objective :** Removal of Rust & Burr from the surface and achieve a bright finish

**Component :** Agricultural Machinery part

**Material:** Mild Steel

**Present Method :** Manual

**Challenges:** Inconsistent Finish, Low Productivity

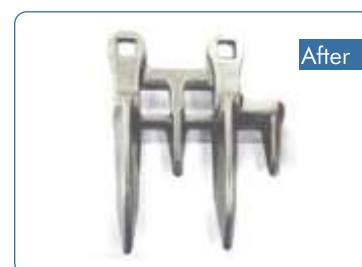
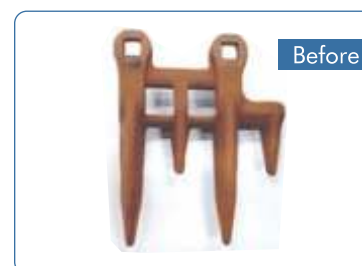
#### **Finishing Solution :**

**Machine :** Vibratory Finishing Machine

**Processes :** Deburring, Derusting & Polishing

**Result:** Parts free from Rust and Burr, Bright Polish Surface

**Advantages :** Consistent Bright Finish, Increase High Productivity



### 2 Descaling & Polishing for Buckles & Fittings Components

**Objective :** Cleaning and Brightening of Surface

**Component :** Buckles

**Material:** Brass

**Present Method :** Manual

**Challenges:** Inconsistent Finish, Low Productivity

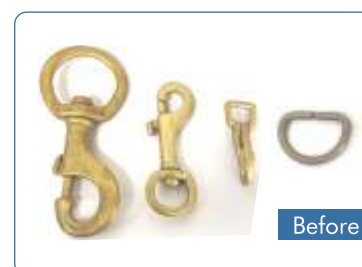
#### **Finishing Solution**

**Machine :** Vibratory Finishing Machine

**Processes :** Descaling & polishing

**Result:** Bright Polished Surface

**Advantages :** Consistent Finish, High Productivity



## CASE STUDIES

### 3 Deburring, Edge radiusing, and Polishing for Medical Needles

**Objective :** Deburring , Edge Radiusing & Polishing

**Component :** Medical Needles

**Material :** SS 316

**Present Method :** Manual

**Challenges :** Inconsistent Finish, Low Productivity, Buffing process

#### Finishing Solution

**Machine :** Centrifugal Barrel Finishing Machine

**Process:** Deburring, Edge radiusing and polishing

**Result :** Smooth and Polished Surface

**Advantages :** Better and Consistent Surface Finish, High Productivity



Before



After

### 4 Deburring and Mirror Polishing of Pins

**Objective :** Deburring and Polishing

**Component :** Pins

**Material:** Brass

**Present Method :** Manual

**Challenges :** Inconsistent Finish, Low Productivity

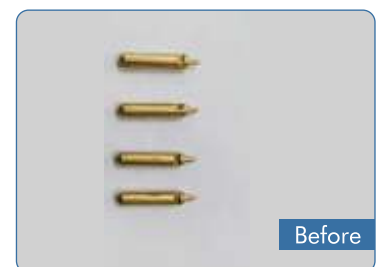
#### Finishing Solution

**Machine :** Centrifugal Barrel Finishing Machine

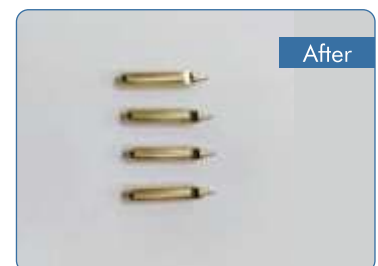
**Processes :** Deburring & polishing

**Result :** Burr free superpolished pins

**Advantages :** Improved Surface finish and High Productivity



Before



After



# Cleaning & Finishing News

NEWS BULLETIN ON DEBURRING, FINISHING, WASHING & CLEANING



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## Reduce your risk of COVID-19



**Clean your hands often**

**Cough or sneeze in your bent elbow – not your hands!**



**Avoid touching your eyes, nose and mouth**

**Limit social gatherings and time spent in crowded places**



**Avoid close contact with someone who is sick**

**Clean and disinfect frequently touched objects and surfaces**



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