

Finishing News

NEWS BULLETIN ON MASS FINISHING TECHNOLOGY



July 2010 Volume 19

No.1 Mass Finishing Solutions Provider with over 4000 Installations

www.galaprecision.com

Contents:

- Foreword
- Segmented Type Finishing System with Water Filtration & Re-circulation System
- NEW LAUNCHES - Gala Launches Vibro-benz New Generation Models
- Enhanced Finishing Solutions
- Seminar And Exhibitions Glimpse
- Next Is What !

FOREWORD

It is pleasure to come back to you with this half yearly finishing news from Gala Precision Engineering Pvt Ltd (Mass Finishing Solution Division)

We closed last year with a very positive note when the world economy was facing recession. **Thanks to all customers.** We took several initiatives to strengthen ourselves and expand our product range. We did value engineering and standardization of our existing products.

We are proud to say that we are not supplying simple machines but also very sophisticated finishing systems with matchless benefits and features.

SEGMENTED FINISHING SYSTEM WITH WATER FILTRATION & RE-CIRCULATION SYSTEM

In our continuous endeavour to give best and optimised solution in terms of quality of finish, process cost, space, increase productivity, eliminate manual dependency, save water etc., we are providing customized finishing solutions to our customers.

Segmented Type Finishing Machine 625 litre capacity having 6-8 segments to process single components in each segments.

Water filtration and re-circulation system comprises of –



- Paper band filter of filtration level @ 10 microns with drive motor for paper indexing, empty paper roll indication and waste paper collection bin.
- Coolant storage tank.
- Motorized pan skimmer made of perforated sheet for separation of foam.
- Belt type oil skimmer for removal of oil from the tank.
- Open impeller type centrifugal pump for circulation of clean liquid from the storage tank through the filter to the vibro deburring machine..
- Washable cartridge type filter with automatic backwash arrangement.

The dirty coolant from the vibro machine is drained to the liquid storage tank through paper band filter. The liquid is pumped by means of open impeller type centrifugal pump and passed through the cartridge filter (10 microns) for final filtration.

The filtered coolant is supplied back to the vibro machine. The solenoid valves are provided for backwash arrangement.

Benefits to customer:

- Avoid collision between the components.
- Single batch of an assembly line with variety of components can be processed.
- Sufficient amount of finishing chemical for process can be provided.
- Component removal becomes easy.
- Save Water.

FILTRATION SYSTEM CAN BE USED AS STAND ALONE SYSTEM WITH OTHER STANDARD VIBRATORY MACHINE

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NEW LAUNCHES

GALA LAUNCHES VIBRO –BENZ NEW GENERATION MODELS

As a part of our initiatives and expand our product range we launch New Generation Models for higher production output and less cost involvement having matchless benefits and features.



VB STD SERIES

VB-70 VB-130 VB-225 VB-335 VB-455 VB-600 VB-800
VB-1020 VB-1200 VB-1500

VB RD SERIES (Separation With Reverse Direction)

VB-80 RD VB-125 RD VB-200 RD VB-370 RD

VB AS SERIES (Separation With Advanced Direction)

VB-385 AS VB-700 AS VB-1000 AS VB-1250 AS

VB BB STD SERIES

VB-70 BB VB-130 BB VB-210 BB

VB RD BB SERIES (Separation With Reverse Direction)

VB-80 RD BB VB-125 RD BB VB-200 RD BB

VS SPIRAL SERIES

VS-120 VS-300 VS-500 VS-850

GETTING INTO SPECIFICS

When enquired for 600 liters capacity machine at Gala, the output volume is always achieved and correlated with the technical specifications of machine.

While 600 liters machines of other makes actually matches with Gala's 455 liters model and not 600 Liters machine model no. So will be the exact price comparison.

For example

Model	600	455	600
Manufacturer	GALA	GALA	Other
OD	1675	1500	1600
Chamber Width	510	440	450
Chamber Depth	500	440	450

We hereby wish the entire industry to be aware of the basic technical specifications involved while selection of appropriate machine models.

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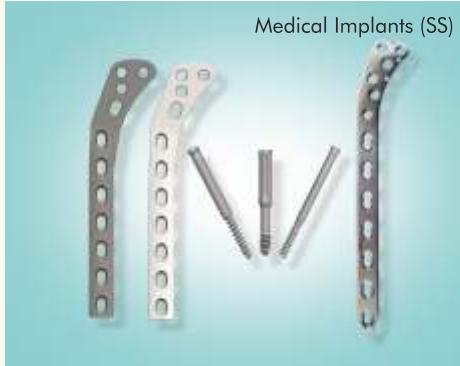
ENHANCED FINISHING SOLUTIONS

Today as users are becoming more sophisticated, needs for improved and superior finish are assuring greater importance. We offer such enhanced solutions to cater to deburring and polishing applications with minimum cost involvement.

Auto Components



Medical Implants (SS)



Brass Buckles & Fittings, SS Coins



SS Cutlery



Hand Tools



Turbine Blades



CASE STUDY: 1

Component: BUCKLES

Input Condition:

1. Dull finish.
2. Light burr on the components.

Output Expected:

1. Smooth and consistent surface finish.
2. Components completely free from Burr.
3. Uniformly polished surface.

Gala's Solution:

It is a two-stage process which involves Deburring and Polishing.

Stage 1: Deburring of the components with low abrasive ceramic media and deburring compound. The cycle time for this step is 20 minutes.

Stage 2: Polishing with same media and polishing compound. It takes about 20 minutes.

CASE STUDY: 2

Component: LEVER HANDLE

Input Condition:

1. Components coming after die-casting.
2. Dull finish.

Output Expected:

1. Smooth and consistent surface finish.
2. Bright mirror finish.

Gala's Solution:

It is single-step process.

The process involves ball burnishing of the components for 30 minutes.

Also even better finish is achieved for acid dipped components. Here components are acid dipped for 5 minutes and same above process is followed.

Using Vibratory Drier after process enhances the component's aesthetic qualities as it is 100% stain free process.



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SEMINAR AND EXHIBITIONS GLIMPSE



Chennai

Automotive Engineering Show



Pune

NEXT IS WHAT !

As a part of our ongoing effort to spread awareness about industry related issues we conduct following events,

- "VIBRO-BENZ CONNECT" - A series of Technical Awareness Programs will be conducted at Aligarh, Ludhiana, Jalandhar, Noida, Gurgaon & Pune
- "FINISH IT" - A series of road shows aimed to spread Gala's technical expertise in the finishing industry.
- IMTEX - 2011
- R&D for Consumables
 - Reduction in recurring cost & process time
 - Improvement in asthetic value
 - Already achieved finishing solutions for TURBINE BLADES, BUCKLES & FITTINGS, TEXTILE COMPONENTS.



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