

Cleaning & Finishing News

NEWS BULLETIN ON DEBURRING, FINISHING, WASHING & CLEANING



February 2019 | Volume 29

No.1 Surface Engineering Solution Provider with over 5000 Installations

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Deburring | Finishing | Washing | Cleaning

Thank you for your valued response!

It is an extraordinarily great pleasure and time to come back to you with this quarterly Finishing and Cleaning news from GALA Precision Engineering Pvt Ltd.



As a part of our constant footprints in the industry about surface engineering solution, we participate in most of the Industrial Expo's like in this financial year we participated in "ALUCAST-2018" & IMTEX-2019 Exhibition which were held in New Delhi and Bangalore respectively and we are very delighted and thankful for the valued response we received.

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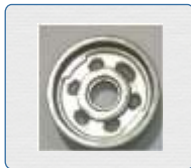
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Fully Automated & Customized Disc Finishing System for Surface Improvement

Application : Deburring, Polishing & Drying



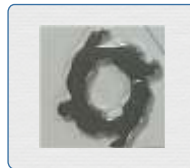
Gear Plate



Guide Plate



Cam



Pawl



System Consists of :

- Disc Finishing Machine
- Auto Tilting mechanism
- Magnetic Separator
- Vibro Spiral Dryer with SS mesh
- Media Transfer System
- Loading System
- Dosing System
- Sound Cover
- PLC Based Control panel

Benefits:

- Washing/Rinsing Process
- Higher Productivity
- Reduction in Process Cycle time
- Consistent operation
- Reduction in Manpower
- Easy Material handling

This system has a wide range of suitability to achieve the desired output with a single put through mechanism, especially suitable for Automotive, Coining, Medical Implants, Die Casting parts, Precision machined parts, Pump parts, Valve parts, Springs, Tools, Compressor parts etc.

FINISHING CASE STUDIES

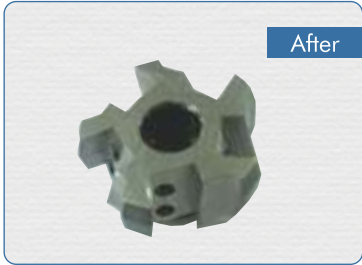
1

Vibratory Finishing

Requirement	: Deburring & Polishing
Product	: Rotor & Tool Holder
Present Method	: Manual
Problems faced	a) Heavy manpower involvement b) Low productivity c) High rejection rate

Finishing Solution provided by GALA

Machine used	: Vibratory Finishing machine
Surface improved	: Burr removed & product polishing achieved
Process Cycle Time	: 1 hr for Deburring
Advantages	a) Consistent operation b) Improved productivity c) 80% reduction in manpower



2

Vibratory Finishing

Requirement	: Descaling & Polishing
Product	: Copper Part
Present Method	: Manual
Problems faced	a) Inconsistent finish b) Low productivity

Finishing Solution provided by GALA

Machine used	: Vibratory Finishing machine
Surface Improved	: Scale removed & product polishing achieved
Process Cycle Time	: 1 hr
Advantages	a) Consistent Finish b) Improved productivity



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CLEANING CASE STUDIES

3

Multi Chamber Ultrasonic Cleaning Machine

Requirement : To remove machined burr & threading oil

Product : Retainer

Input Contamination : Burr & oil

Present Method : Manual

Cleaning Solution provided by GALA

Machine used : Multi Chamber Ultrasonic Cleaning Machine

Media Used : Aqueous & Alkaline Chemicals

Results : Burr and oil removed

Stages : Stage 1 - Cleaning

Stage 2 - Rinsing

Stage 3 - Drying

Advantages : 1. Consistent Cleaning 2. Reduction in labor cost



4

Single Chamber Multi Process Ultrasonic Cleaning Machine

Requirement : To remove oil, burr & grinding dust

Product : Control Valve Component

Input Contamination : Oil, Burr & Dust

Present Method : Manual

Cleaning Solution provided by GALA

Machine used : Single Chamber Multi Process Ultrasonic
Cleaning Machine

Media Used : Aqueous & Alkaline Chemicals

Results : Oil, burr & dust removed.

Stages : Stage 1 - Spray, Immersed flood & Ultrasonic cleaning

Stage 2 - Spray & immersed flood rinsing

Stage 3 - Hot air drying

Advantages : 1. Consistent Cleaning 2. Improved Cleaning



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