

Consumables for  
Finishing & Cleaning

## About Gala

Today we serve the global market with high end technology solutions in the field of surface engineering. We offer complete solution of machines and consumables for deburring, polishing and parts cleaning.

We have R&D and Test facilities to process your parts and derive the most optimum solution to suit your needs.

We offer wide range of consumables which include media and compounds. The consumables offered by us are consistent in quality and economical.

Selection of correct media and compound is very important to achieve the required output in terms of quality, cost and process time.

### Gala Advantage

- Ready Stock
- Consistent Quality
- Test facilities to process samples
- Application support

### Selection of Media

Shape, size and type of media is selected based on the applications, geometry and material of components.

Selection of shape and size of media should be such that possibility of clogging of media is eliminated.

We offer ceramic, plastic, steel, glass and drying media (corn cob).

### Selection of Compound

Selection of compound is based on application and material composition of the part.

The compounds are normally added to water with the concentration of 4 to 7%.

We offer wide range of compounds for degreasing, descaling, deburring and polishing applications.

We have specific range of products for ferrous and non-ferrous parts. Our product offerings also include rust removing compounds and rust inhibitors.

The available compounds are neutral, alkaline or acidic in nature.



# Media for deburring, descaling and polishing

## Ceramic Media

Grade		HAB High Abrasive Black	HAG High Abrasive Grey	LAW Low Abrasive White
	Application	Heavy Deburring Cutting Edge Radiusing	Medium Deburring Edge Radiusing	Polishing & smoothing
 Angle Cut Triangle	Effective in working on slotted areas and for reaching into corners	03x03 20x20 05x05 25x25 10x10 30x30 15x15 40x40	03x03 20x20 05x05 25x25 10x10 30x30 15x15 40x40	03x03 20x20 05x05 25x25 10x10 30x30 15x15 40x40
 Straight Cut Triangle	With shape angle providing better penetration into remote areas	03x03 20x20 05x05 25x25 10x10 30x30 15x15 40x40	03x03 20x20 05x05 25x25 10x10 30x30 15x15 40x40	03x03 20x20 05x05 25x25 10x10 30x30 15x15 40x40
 Angle Cut Cylinder	Angles effective for concave surfaces round areas & corners	2x8 6x12 3x8 8x12 4x8 10x20	2x8 6x12 3x8 8x12 4x8 10x20	2x8 6x12 3x8 8x12 4x8 10x20
 Straight Cut Cylinder	Most effective on concave surfaces, round areas and holes	2x8 6x12 3x8 8x12 4x8 10x20	2x8 6x12 3x8 8x12 4x8 10x20	2x8 6x12 3x8 8x12 4x8 10x20
 Star	Effective for deburring inside diameters and blind holes. Reduced clogging problems	10x10 20x20	10x10 20x20	10x10 20x20
 Angle Cut Ellipse	Combine the finishing action of a flat shape followed by action of a cylindrical shape. Especially effective in concave surfaces and corner area.	13x6x13 15x8x15 20x10x20	13x6x13 15x8x15 20x10x20	13x6x13 15x8x15 20x10x20
 Straight Cut Ellipse	Combine the finishing action of a flat shape followed by action of a cylindrical shape. Especially effective in concave surfaces.	13x6x13 15x8x15 20x10x20	13x6x13 15x8x15 20x10x20	13x6x13 15x8x15 20x10x20
 Cone	Most effective on concave and corner surfaces	10x10 15x15 20x20 25x25	10x10 15x15 20x20 25x25	10x10 15x15 20x20 25x25
 Tristar	Excellent surface contact on concave and convex surfaces. Able to penetrate into corners slots and angles	10x10 20x20	10x10 20x20	10x10 20x20
 Ball	Smooth rolling action provides excellent contact in concave areas. Able to easily roll around and pass through.	2 5 3 6 4 8	2 5 3 6 4 8	2 5 3 6 4 8
 Pyramid	Most effective on corner surfaces reduced clogging problems	10x10 20x20	10x10 20x20	10x10 20x20

Minimum Packing : 50 Kg







**Note:** A) All Dimensions are in mm. B) Above are standard shapes & sizes. We can offer sizes as per your specific requirements on request.

## Plastic Media

Resin Bonded Plastic Media from Gala, are proven for deburring & finishing of non-ferrous components & castings. Low density of this media is the advantage over ceramic media. It results in dent less finish on soft metals such as Aluminum, Zinc and alloys of Brass, Copper etc.

This media is suitable for aluminum die cast parts.

This media is also suitable for certain rubber and plastic parts.

Grade	PLC Plastic Cutting	PLD Plastic Deburring	PLP Plastic Polishing
Application	Heavy deburring	Medium Deburring	Smoothing
 Parabolic	20x20    50x50 30x30    60x60 40x40    70x70	20x20    50x50 30x30    60x60 40x40    70x70	20x20    50x50 30x30    60x60 40x40    70x70
 Cone	10x10    50x50 20x20    60x60 30x30    70x70 40x40	10x10    50x50 20x20    60x60 30x30    70x70 40x40	10x10    50x50 20x20    60x60 30x30    70x70 40x40
 Pyramid	10x10    40x40 20x20    50x50 30x30    60x60	10x10    40x40 20x20    50x50 30x30    60x60	10x10    40x40 20x20    50x50 30x30    60x60
 Tetrahedron	20x20 30x30 40x40 50x50	20x20 30x30 40x40 50x50	20x20 30x30 40x40 50x50
 Tristar Pyramid	20x20 30x30 40x40 50x50	20x20 30x30 40x40 50x50	20x20 30x30 40x40 50x50
 Angle Cut Triangle	25x40	25x40	25x40

## Steel Media

Steel media are used for burnishing to obtain lusture & reflective mirror-like finish.

We offer Steel media in SS 202, SS 304 and SS 316 grade.

Normally steel media is used in heavy duty ball burnishing vibratory finishing machines.

Ball burnishing in SS media is very popular in Stainless Steel cutlery items.

Grade	Size
 <p>Steel Ball</p>	Dia 1mm to 10mm
 <p>Satellite Media</p>	Dia 3mm to 15mm

## Glass Media

Glass beads are used as rolling media for high gloss on work piece of low density material like optical frames, electric, plastic components etc.

Major advantage of this media is very low wear rate.

Grade	Size
 <p>Glass Beads</p>	Dia 2mm to 15mm

## Drying Media

Corn cobs have replaced saw dust as drying media. The major advantage of corn cob media is that it can absorb 12 times more water than saw dust without any dusting problem.

Corn cobs are also used for polishing of ferrous & non ferrous components.

This media use in vibratory drying machines.

Grade	Mesh(#) size	Size in MM
 <p>Corn Cob Media</p>	4/6	5.0 / 3.4
	6/8	3.4 / 2.4
	8/10	2.4 / 2.0
	10/16	2.0 / 1.2
	16/20	1.2 / 0.7
	20/40	0.7 / 0.4

Minimum Packing : 50 Kg

**Note :**

**A.** All dimensions are in mm

**B.** Plastic media sizes 30mm & above are available ex-stock.

## Compounds for deburring, descaling and polishing

Compounds are one of the important elements in the deburring and finishing process. Compounds accelerate the process of deburring, finishing etc. It also helps in keeping parts and media in suspension and removing contamination like oil, dirt, scale etc. The grain structure of the media is kept open allowing it to function at maximum efficiency.

Compounds can be added manually or with automatic dosing arrangement. Normally continuous dosing of compounds is recommended.

The concentration level is very important to achieve desired level of output.

We also offer water based rust preventive compounds which can provide short term protection to rust formation.

	Product Code	Application	Suitable For	Nature
Deburring, Descaling & Degreasing	GE 411 P	Heavy Cutting, Deburring, Descaling and Edge RADIUSING	Ferrous	Acidic
	GE 412 P	Heavy Deburring, Descaling and Ra value improvement	Ferrous, Sintered	Acidic
	GE 801 P	Heavy Machining mark removal and Deburring	Ferrous, Alloy steel	Acidic
	GE 1012 P	Degreasing, Deburring and slight Edge RADIUSING	Ferrous	Alkaline
	GE 1021 P	Used in Alkaline Deburring process	Ferrous	Alkaline
	GE 1022 P	Used in Alkaline Deburring process	Aluminium, Ferrous	Alkaline
	GE 211 L	Descaling, Derusting and Smoothing	Ferrous	Acidic
	GE 214 L	Derusting and Descaling	Ferrous	Acidic
	GE 432 L	Degreasing	Non Ferrous	Alkaline
	GE 433 L	Pickling, Descaling and Deburring	Non Ferrous, Stainless Steel	Acidic
Polishing	GE 641 L	Mild Deburring and Polishing	Ferrous, Non Ferrous	Mild Acidic
	GE 513 P	Ra Value Improvement and Polishing	Ferrous	Alkaline
	GE 512 L	Mild Deburring and Polishing	Ferrous	Alkaline
	GE 101 L	Polishing and Mild Deburring	Ferrous, Stainless steel, Non Ferrous, Plastic	Mild Acidic
	GE 612 L	Polishing and Mirror Finishing	Ferrous, Alloy Steel	Alkaline
	GE 10 SF	Polishing and Burnishing	Ferrous, Stainless Steel	Alkaline
	GE 661 L	Polishing and Mirror Finishing	Silver, Non Ferrous	Alkaline
Rust Preventive	GE 713 L	Rust Preventive	Ferrous	Alkaline
	GE 10 RP	Rust Preventive	Ferrous	Alkaline
	GE 434 L	Anti oxidising solution	Non Ferrous	Alkaline
	GE 53 L	Anti oxidising solution	Aluminium	Alkaline
Brightening	GE 11 L	Degreasing and Brightening	Aluminium, Stainless Steel	Acidic
	GE 18 L	Brightening	Aluminium	Acidic

**NOTE: Packing Lot: Powder - 50 Kgs, Liquid - 30 Ltr**

# Compounds for parts cleaning

Aqueous cleaning compounds are widely used for various industrial parts cleaning processes. Aqueous cleaning compounds can be used in Spray cleaning, Ultrasonic cleaning and Immersion cleaning methods.

## Selection of cleaning compound is based on following

- Cleaning process - Immersion, Spray, Ultrasonic
- Variables - process time, temperature, pressure
- Part size and complexity of geometry
- Required cleanliness level
- Part material - ferrous, non ferrous
- Nature of contamination
- Safety norms

## We offer following cleaning compounds

- Degreasing
- Cleaning and descaling
- Brightening

We also offer high end compounds from Europe for descaling, degreasing and rust removing applications. These compounds are environment friendly and can work at room temperature.

	Product Code	Application	Suitable For	Nature
Degreasing	GEW 1101 L	Degreasing -Spray and immersion	Ferrous, Non Ferrous	Acidic
	GEW 1201 L	Heavy Duty Degreaser for Ultrasonic / immersion method before plating	Ferrous, Non Ferrous	Alkaline
	GEW 1221 L	Heavy Duty Degreaser works at room temperature for Aluminium components	Aluminum	Alkaline
	GEW 1202 L	Heavy duty Degreaser for Ultrasonic and immersion method specially suitable for imitation jewellery	Ferrous, Non Ferrous, Imitation Jewelry	Alkaline
Cleaning & Descaling	GEW 2021	Non Caustic no silicate cleaner for zinc and zinc alloy	Zinc & Zinc Alloy	Neutral
	GEW 2211	Online Spray cleaner specially for MS	Ferrous	Alkaline
	GEW 2121 L	Mild Acidic Ultrasonic cleaner to clean buffing paste and enhance shining for SS articles	Non Ferrous (SS)	Acidic
	GEW 2122 L	Descaling solution for Copper - Silver brazed parts	Copper, Silver	Acidic
	GEW 2142 L	Mild Acidic solution to clean / descale Aluminum die cast component prior to powder coating	Aluminum	Acidic
Brightening	GEW 5141 L	For extra Bright Surface finish of Aluminum component	Aluminum	Acidic



# Surface Engineering Solutions

Finishing | Washing | Cleaning

Gala is the largest Finishing Solution provider in India. To meet global standards of finish & cleanliness in components we offer end to end complete solutions for finishing, washing & cleaning.

## Automated Finishing & Cleaning Solutions

Compact machines with latest technology

Application based approach to offer customised systems

Offers cleanliness level up to 0.5 mg (Millipore)

New generation cleaning compounds

All India Service Support



Single Chamber Multiprocess  
Vacuum Cleaning & Drying



Multistage Ultrasonic  
Cleaning



Vibratory Finishing,  
Washing & Auto Dosing



Cleaning Compounds



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