

AUTOMOBILE INDUSTRY



SINCE 1957

Unique synchronization, of science and arts, are being observed in today's automotive manufacturing. Products are being manufactured considering aesthetics, dynamic shape and to suit human diversity, along with safety features, while 'in use' and also, while they are 'not in use'. Value engineering and value analysis, are done on a continual process. Electroplating and also, other surface finishing play a significant role in manufacturing the automobile. This miracle of motion, would not have been possible without using electroplating & other surface finishing. We see lot of parts e.g, shock absorbers, brake calipers, fasteners, alternators etc. being processed with different types of surface finishes - be it electroplating of chrome, nickel, zinc, Electroless depositions, phosphating, electroless nickel etc.

Gauer & Weil (I) Ltd, being trail blazers in the Indian metal finishing industry, always endeavour to adopt the 'think global and act local' approach. It has introduced

several 'firsts' to the Indian sub continent. Understanding the requirements of higher durability for the automotive vehicles & considering the diversity of geometries, it has worked forward considering the component's environment foot print. The company has introduced a lot of functional coating technologies for high corrosion resistance, using eco-friendly raw materials, meeting the stringent norms of the 'End of Life Vehicles Directive'.



TRUST THE LEADER IN SURFACE FINISHING

| Categories | Process | Unique Features |
|---------------------------------|--|---|
| Zinc plating | Zincbrite Ultra | Cyanide zinc brighteners with superb, unmatched brightness |
| | Zinhibrite 978 | Acid zinc brightener system with high quality brightness |
| | Uniglo | Alkaline brightener system produces mirror bright deposit |
| Zinc Alloy Plating | Zincalume series | Completing required options of zinc alloys – Zn-Co, Zn-Fe, Zn-Ni, Zn-Fe-Co & Sn-Zn - higher corrosion resistant and also, definitely, reliable. |
| Trivalent Chromates | Trichrome series | A wide gamut of trivalent chrome based passivation processes for zinc & its alloys and also, for aluminium & magnesium alloys. |
| Nickel Plating | Ductolite Semi-bright | S-free semi-bright nickel plating process with potential difference i.e. > 100 mv |
| | Ductolite Tri Nickel | S-rich sandwich layer |
| | Unispec 18 / 511 | Bright nickel with unmatched levelling at low dosage |
| | Ductolite MC Ni | Produces micro cracked nickel deposit when applied on bright nickel |
| | Ductolite MPS Ni | Microporous nickel when applied on bright nickel |
| | Growel Antique Nickel | Stable 'pewter' finish |
| | Tinilloy | Pewter finish with darker tone |
| | Groblack Nickel | Black nickel plating process |
| | Pearsheen Nickel 1249 / 1449 | Glossy crystalline eye-catching satin nickel deposit |
| Brass Plating | Zinco Brass Salt | Highly stable brass plating process for consistent operation |
| Chrome Plating | Durobrite TC 3000 | Bright chromium plating process using trivalent electrolyte |
| | Triplus Chrome TC 301 | Bluish-black chrome deposit from trivalent electrolyte |
| | Triplus Chrome TC 301 | High efficiency hard chrome plating process with consistent deposit hardness > 1150 VPN |
| | HENE L 600 | High efficiency hard chrome plating process with consistent deposit hardness > 1150 VPN |
| Copper Plating | Cuprobrite 3006 / Cu-probrac | Glossy bright finish with superb levelling properties |
| Specialized Plating | Sopal LTC | Lead-Tin-Copper plating for bearing |
| Plating on Plastics &/or ABS-PC | Ginplate & Ginsol series | Complete range for plating on ABS & ABS-PC |
| Phosphating | Surfix Series | Heavy coating: Zinc & nickel modified & Manganese Phosphates. Medium Coating (pre paint application)- Tri-cationic, calcium modified. Temperature saver room temperature phosphates |
| | Surfix Eco 100 | Nano ceramic coating – technical replacement for phosphate coating pre-paint &/or powder coating – helps user's to conform eco-awareness |
| Electroless Nickel | Ginplate series | Nano ceramic coating – technical replacement for phosphate coating pre-paint &/or powder coating – helps user's to conform eco-awareness |
| Electro-phoretic Lacquer | Growclear | Low, medium & high phosphorous production proven electroless nickel |
| Blackening Process | Gibonol S 34 | High temperature blackening process for mild steel components |
| | Gibonol Instablack 33 | Power saver blackening process |
| Oils & Lubricants | Grodal Cutsol series / Multi Cut SS 40 | Cutting oil & corrosion inhibitor |
| | Grodal RPWB 500 | Water based, VOC free rust preventive with value added feature to be used as cleaning agents |

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