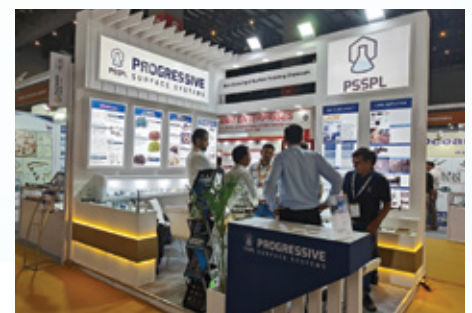


INSIDER

ISSUE 04

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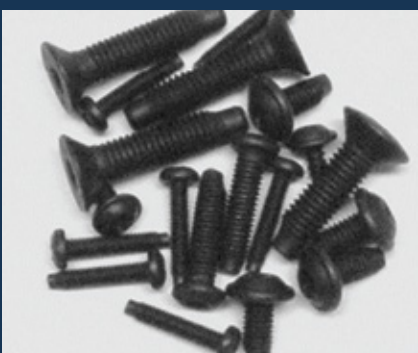


PSSPL News

Thank you to all who joined Fastener Fair India 2024 from July 26-28 at Pragati Maidan, New Delhi. This event marked the largest display of fasteners and fixing technologies in India, offering an exceptional platform for showcasing innovations and fostering business interactions.

PSSPL proudly presented advanced plating processes, including Zinc, Zinc alloys, Passivations, Sealants, and Nano Top Coats, along with promoting the high-performance ZINC FLAKE process LAFRE, rooted in cutting-edge Japanese technology. The impressive footfall at our stall highlighted the success

of our efforts and commitment to innovation in the fastener industry. We are grateful for the positive feedback and the opportunity to connect with industry professionals. We look forward to continuing our journey of innovation and excellence in the fastener industry.



Product Focus : LECTRASEAL.

PREMIUM TECHNOLOGY ANODIC ELECTROCOATING SYSTEM FOR ALUMINIUM , MAGNESIUM, ZAMARK, ZINC & ZINC PLATING

The LECTRASEAL process is an anodic deposition method suitable for target metals with oxidative passivation, low-temperature cure capability, wide color range, and high resistance to chemicals, environmental conditions, wear, and abrasion.



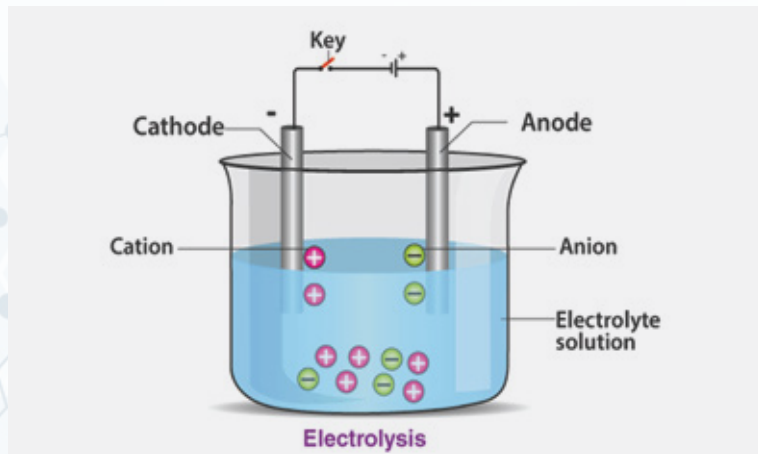
NEW LAUNCH



POP PLATING PROCESS

- 01 Degreasing - Ind Enilex EI 100
- 02 Surface Conditioning Ind Enilex EI 201
- 03 Etching
- 04 Neutralization - Ind Enilex EI 301
- 05 Special Activation - Ind Enilex EI 401
- 06 Catalyzation - Enilex Ct-806
- 07 Acceleration
- 08 Electroless Nickel Plating Ind Enilex EI 600
- 09 Activation
- 10 Nickel Strike - Watts Bath
- 11 Conditioning - Ind Enilex EI 701
- 12 Bright Acid Copper Plating Ind Cu-brite
- 13 Activation-ind V-37
- 14 Semi-bright Nickel Plating-sbn
- 15 Bright Nickel Plating-brn
- 16 Microporous Nickel Plating Ind Emp-ni 500
- 17 Chromic Acid Dip
- 18 Bright Chromium Plating Ind E Cr 601
- 19 Drying





SERIES 3 BASICS OF ELECTROPLATING

In Continuation From Last Issue

(19) HOW ARE PLATING SOLUTIONS MAINTAINED?

Plating solutions are maintained in good operating condition by the following methods:

- Regular and frequent checks of the bath composition by chemical analysis, and/or Hull Cell tests;
- Addition of chemicals as required to maintain the solution composition within the operating ranges;
- Elimination of all known sources of plating solution contamination, if possible;
- Periodic purification of the solution to remove accumulated impurities;
- Intermittent or continuous "dummying" at low current density to reduce inorganic contamination;
- Intermittent or continuous filtration as needed to remove suspended matter from the solution; and
- Regular inspection of plated parts to detect faults arising from the plating solution.

(23) WHAT IS A METAL ION?

A metal ion is an atom of metal having an electrical charge. A metal ion is capable of being transferred through a plating solution by the flow of a direct current.

(24) WHAT ARE THE TWO SOURCES OF METAL IONS IN A PLATING BATH?

The two sources of metal ions in a plating bath are:

- Metal salts dissolved in the solution; and
- Soluble metal anodes.

(25) HOW ARE METAL SALTS PRODUCED FOR USE IN PLATING SOLUTIONS?

Metal Salts are usually produced for use in plating solutions by dissolving pure metals chemically or electrochemically in an aqueous medium and then crystallizing out the salts formed. For example, nickel may be dissolved in sulfuric acid to form nickel sulfate and zinc may be dissolved in sodium cyanide to produce zinc cyanide



WATER TRANSFER PRINTING 3d Printing Process

Water transfer printing is a sophisticated decoration technology that utilizes specialized films printed with a variety of natural and abstract patterns. This technique is used to decorate complex-shaped objects made from plastics, metal, glass, fiberglass, and other materials. By employing water transfer printing, it is possible to achieve high-quality surface decoration on a diverse range of shapes and materials that would otherwise be challenging to decorate. This technology significantly expands the possibilities for intricate and aesthetically pleasing designs, making it an ideal choice for enhancing the visual appeal of various products. Its versatility and ability to provide detailed, high-quality finishes make water transfer printing a valuable solution for numerous industrial and creative applications.

Badhai Ho! PSSPL BIRTHDAY BULLETIN

1th Aug - Purushottam Saran

6th Aug - Sourav Ranjit

12th Aug - Vilash Kharabe

18th Aug - Tejas Yashwant Shelar

20th Aug - Girand Kumar

24th Aug - Amey Tukaram Shinde

MDs CORNER



LAUNCHING ORIGINAL AND UNIQUE UV CURABLE TECHNOLOGY

UVICLAD

The curing process features a cycle time of 1 to 5 minutes, varying with substrate geometry. It offers customized capacity and comes in both conveyor and chamber machine variants. Available in automatic and semi-automatic automation grades, the system operates on a single-phase 240V AC power supply. Additionally, it includes auto-jigs designed to enhance curing efficiency.



2304037 PINK
UVICLAD 612 LED
800 1min
80 c 20min
_ED 10secs.
@10cms



230435
PARLIAMENT BLUE
UVICLAD 612 LED
800 1min
80 c 20min
_ED 10secs.
@10cms



TURQUOISE 230436
UVICLAD 612 LED
800 1min
80 c 20min
_ED 10secs.
@10cms

PROGRESSIVE'S LAB FACILITY

LABORATORY R&D DEPARTMENT

Our Support for analysis , quality inspection and performance testing



Chemical Analysis

Concentration / titration
SG / Aerometer
Impurity / AAS / UV
Application / Hull Cell Test