



PRODUCT BROCHURE

*"High Standard Quality, Competitive Price,
and After-sales Services"*

PRODUCT

PRE-TREATMENT

Pre-treatment stands as an important initial step to ensure the material surface is optimally prepared before undergoing the plating process. The following are the products we offer:

Steel, Iron, & Alloy

- DESCALING SALT HR
- SOAK CLEANER HR 12
- SOAK CLEANER HR F7
- ELECTRO CLEANER HR 13
- SOAK CLEANER HR 14

Aluminium & Zinc Die-Cast

- DEGREASER HR 16

Zinc Phosphating

- HR CLEANER
- HR 7 SURFACE CONDITIONER

Pickling

- HR 30 ACID PICKLING

Brass

- SOAK CLEANER HR 15

ZINC PLATING ADDITIVE

Zinc Plating is a process aimed at protecting metals from corrosion, making the appearance of iron or steel last longer while providing high levels of brightness and flatness. The following additives are the products we offer:

Alkaline Zinc

- HR 2015 CARRIER
- HR 2015 BRIGHTENER
- HR 2015 CONDITIONER
- HR 240 WETTING AGENT

Acid Zinc

- HR 2014 CARRIER
- HR 2014 BRIGHTENER
- HR 2014 W BRIGHTENER
- ANTIFOAM

Cyanide Zinc

- HR 220 SC
- HR 330 SC
- HR 440 SC



CHROMATING

Chromating can be used to protect metal surfaces from corrosion and prevent component damage. It is also used to create a decorative finish with various colors, which provides an attractive finish. The following additives are the products we offer:

Trivalent Blue Chromating

- HR 017
- HR 018

Trivalent Black Chromating

- HR 034 PART 1
- HR 034 PART 2
- HR 691
- SEALER HR 591
- TOP BLACK HR 291

Trivalent Yellow Chromating

- HR 048

Sealer

- SEALER HR 449

Hexavalent Blue Chromating

- ISOCHROME 10 LIQUID
- ISOCHROME 10 POWDER

Hexavalent Black Chromating

- ISOCHROME 28 PART 1
- ISOCHROME 28 PART 2

Hexavalent Yellow Chromating

- ISOCHROME 25 POWDER

Hexavalent Olive Green Chromating

- GREEN CHROMATING / HR 8

COPPER PLATING ADDITIVE

Copper Plating is an electrochemical process that utilizes electric current to produce a bright layer of copper with smooth surface and high ductility. The following additives are the products we offer:

Cyanide Copper

- HR 50 BRIGHTENER
- HR 50 STARTER

Acid Copper

- HR 375 MAKE UP
- HR 375 BRIGHTENER
- HR 375 LEVELLER

ALUMINIUM ADHESION PICKLE ZINCATE PROCESS

This step is known as a pre-treatment stage that helps to prepare aluminum before the electroplating and electroless process. The following are the products we offer:

- NICAL

NICKEL PLATING ADDITIVE

Nickel Plating is a process of covering metal objects with a protective layer of nickel. The nickel layer will appear shiny, elastic, and smooth, which is also used for decorative purposes. Additionally, nickel plating also makes the metal resistant to corrosion. The following additives are the products we offer:

- NITEC CARRIER HR
- NITEC CARRIER A20
- NEW BRIGHT 100 RS
- WETTING AGENT L
- NITEC Z ADDITIVE

CHROME PLATING ADDITIVE

Chrome Plating is a coating product that augments durability of metals against corrosion and enhances its aesthetic appearance. This coating is widely utilized in the automotive industry. The following additives are the products we offer:

- HR 75 CATALYSER

HARD CHROME

Hard Chrome is the process of coating metal with chromium materials to produce products with better hardness level, smoother surface and decorate the appearance of the metals. The following additives are the products we offer:

- HR 80 MAKE UP
- HR 80 ADDITIONAL
- HR MIST

ELECTROPOLISHING

Electropolishing is the chemical process of polishing stainless steel with the aid of electrical current flow. This procedure smoothens both the upper and lower surfaces to diminish rough textures on the surface and enhance the appearance of stainless steel. The following are the products we offer:

- ISOPOL 140

ZINC PHOSPHATING

Zinc Phosphating is a metal coating process employing zinc with the objective of enhancing metal surface corrosion resistance. This process forms a primer layer and enhances paint adhesion on metal materials. The following are the products we offer:

- HR 01
- HR 02

STRIPPER

Stripper is a product that removes tin or nickel plating layers from the metal materials to restore the metal to its original state. The following are the products we offer:

- HR STRIPPER NICKEL
- HR STRIPPER SN

ELECTROLESS NICKEL

Electroless Nickel is a metal plating process involving nickel deposition that does not rely on electrical energy assistance. This process results in layers with excellent corrosion resistance and is commonly employed in the automotive and aviation industries. The following are the products we offer:

Lead & Cadmium

- HR 101 PART 1
- HR 101 PART 2
- HR 101 PART 3
- PH CONTROLLER
- HR 103 PART 1
- HR 103 PART 2
- HR 103 PART 3
- HR 105 PART 1
- HR 105 PART 2
- HR 105 PART 3

Lead & Cadmium Free

- HR 108 PART A
- HR 108 PART B
- HR 108 PART C
- HR 108 PART D
- HR 110 PART A
- HR 110 PART B
- HR 110 PART C

EQUIPMENT

We offer a wide variety of electroplating equipment to make the process as easy and hassle-free as possible. Following the products we offer:

- CATRIDGE BAG 50 CM
- CATRIDGE FILTER 50 CM
- SST
- RECTIFIER
- CENTRYFUGAL DRYER ELEMENT ATAS
- HEATER
- THICKNESS METER
- HULL CELL TEST

BLACKENING

Blackening is a simple and cost-effective process that not only enhances the appearance of the iron surface that gives a black color but also improves its corrosion resistance and helps prevent any rusting or wear. Here are the products we offer:

- HR BLACKENING

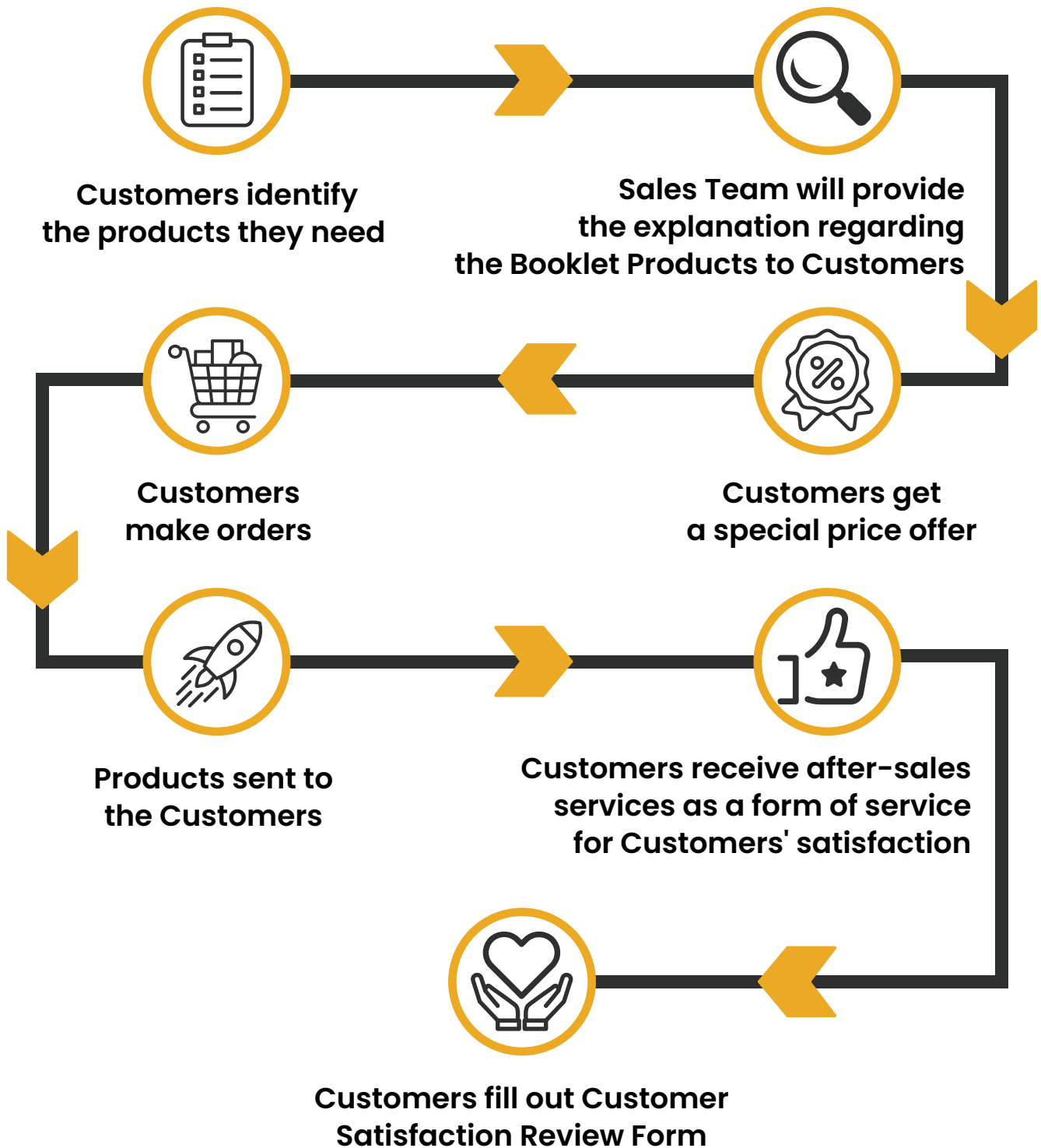
GENERAL CHEMICAL

We offer several types of products to support the electroplating process. Following the products we offer:

- AMMONIUM CHLORIDE
- BORIC ACID
- CAUSTIC SODA
- COPPER PLATE FOR ACID
- COPPER SULPHATE
- CHROMIC ACID
- HCl (HYDROCHLORIC ACID)
- H₂SO₄ (SULFURIC ACID)
- H₂SO₄ LOW FE
- NICKEL CHLORIDE
- NICKEL SQUARE
- NICKEL SULPHATE
- NITRIC ACID
- POTASSIUM CHLORIDE
- POTASSIUM HYDROXIDE
- SMBS
- SODIUM NITRATE
- SODIUM NITRITE
- ZINC ANODE
- ZINC DUST
- ZINC CHLORIDE



CUSTOMER JOURNEY MAP





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ELECTROPLATING AND GENERAL CHEMICALS

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