

CELEBRATING
50+
YEARS OF SERVICE

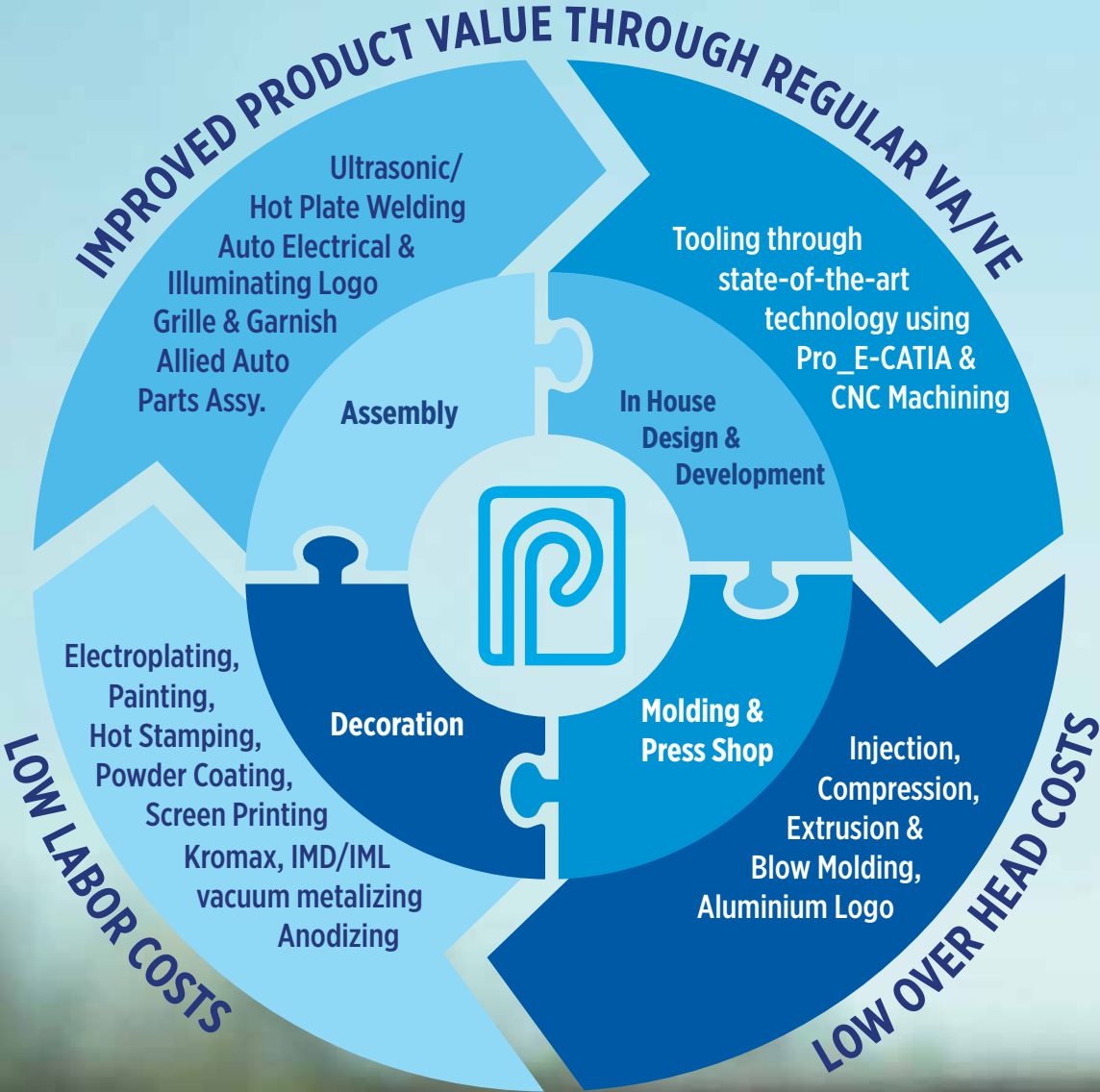
INTELLIGENCE CREATIVITY & SKILLS



 **POLYPLASTICS**
CREATING IDENTITIES

POLYPLASTICS ADVANTAGE

ONE STOP SOLUTION



VISION

Polyplastics' vision is to be a Global Automotive component manufacturer through superior customer service, innovation, quality and commitment.

MISSION

Polyplastics to be the top leader by increasing its market share in Indian and Global markets and by expanding its customer base and product range. We are committed to meet the customer requirements & specifications, supplier needs and employees satisfaction.

ENVIRONMENT

Protecting our environment is integral to our corporate philosophy. To achieve this, Polyplastics will comply with all mandatory environmental regulations relating to our products, processes and raw materials.

SAFETY

Polyplastics shall provide safe work places by integrating environment and safety policies into all day-to-day operations. It will also ensure total employee satisfaction through safe and green environs at work.



Kamal Gupta, Managing Director and Kapil Gupta, Jt. Managing Director

The Journey to Excellence began in 1967, when the Polyplastics Group entered into the realm of Engineering Plastics with the establishment of a small tool room for manufacturing machined components & Injection molds. The very first component - spacers for co-axial telecommunication cables, developed with the support of UN aided tool room, made history in India and European countries. STC London, the original collaborators of the Indian manufacturers of co-axial cables, were fully satisfied with the characteristics and performance of the product and they recommended our name to many of their licenses in Europe. We started exporting to Finland, Austria, Italy and UK maintaining a monopoly for several years. This development made us win import-substitution award in 1987.

From this modest beginning and driven by a vision of complete customer satisfaction, through our unwavering will to meet stringent quality standards, laid the foundation for us becoming a 'Name in Engineering Plastics', and a world class company today for others to benchmark.

Intelligence, Creativity and Skills perfected with the technical collaboration from leading companies of Japan and Spain has helped us to manufacture high quality components for both Global and Domestic OEMs. All the plants have state-of-the-art equipment, manned by highly skilled and dedicated professional workforce ensuring only the best quality. Even today our courage to chart new frontiers is built on the strength of long experience, constant innovation, adoption of latest technology and aligning to corporate goals.

The name Polyplastics continues to stand for trust, reliability and dedicated customer service.

ONE STOP SOLUTION

One Stop Solution enables close protection of our customers' intellectual properties during the complete development and manufacturing process.



Engineering & Design

- Project Management
- Product Design
- Tool Design
- Tool Development
- Product Validation



Manufacturing

- Injection Moulding
- Extrusion Moulding
- Gas Injection Moulding
- Steam Injection Moulding



Decoration

- Electroplating on Plastics
- Body Color Painting
- Decorative Film Insert Moulding (IMD)
- Hot Stamping
- Vacuum Metalizing
- PVD
- Powder Coating
- 3D Emblems (Kromex)
- Pad printing & Screen printing
- Aluminium logo
- Illumination logo



Assembly

- Robotic Ultrasonic Welding
- Hot Plate Welding
- Fusion Bonding
- Auto Electrical Assy.
- Allied Auto Parts Assy.
- Heat Stacking



Strategic Business Unit for Design Outsourcing
which provides in-house Technical Support
for Products Design.

“ Design capabilities are integral part of Polyplastics drive to bring top quality products to customers in shortest possible time ”

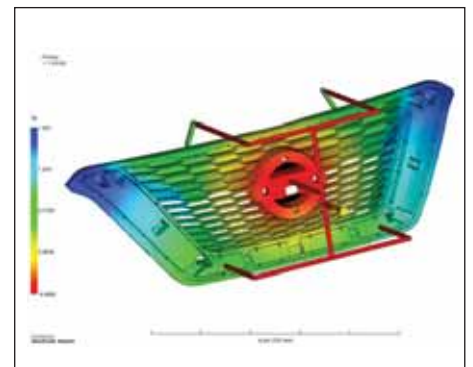
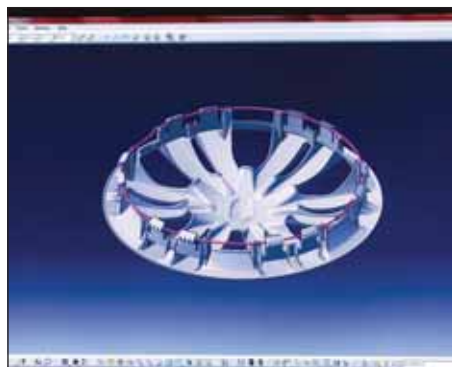
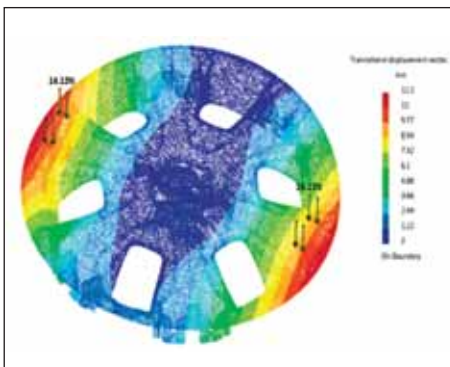
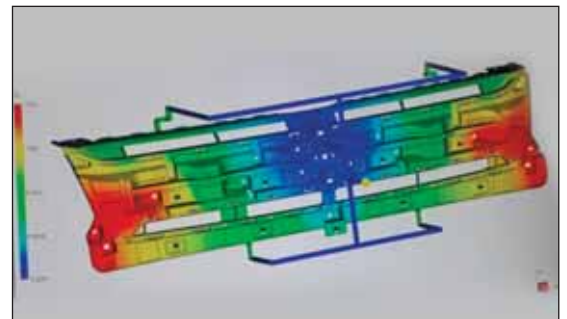
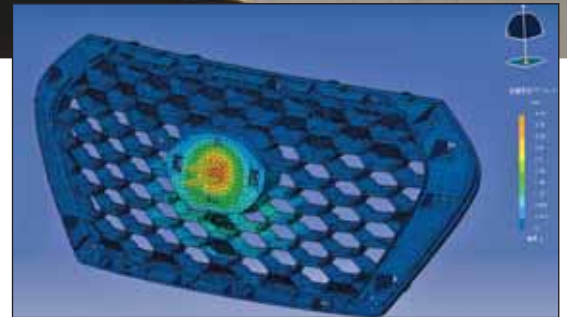


Our Capabilities

- Product & Tool Design
- Reverse Engineering
- Rapid Prototyping-3D Printing
- Surface/Solid Modeling
- Mold Flow Analysis
- CAE - ANSYS
 - Rigidity
 - Impact Resistance
 - Ball drop analysis
 - Torque analysis
 - Stress/Strain Analysis
 - Vibration Analysis

Design Softwares

- Hexagon-VISI
- Catia
- NX
- Autodesk-Powershape
- Elsyca
- Cadmould
- Powermill
- Autodesk-Autocad
- Ansys
- Creo



The application of latest engineering softwares in tune with experienced, dedicated and highly skilled workforce result in high quality and reliability of our tools.

We endeavor to shorten development lead time with the aim of always offering tools of world-class quality using sensitivity and creativity of human skills aided by CAD, CAM & CAE.

Development and production activities of Polyplastics are strongly supported by a modern, in-house tool room. To meet the company's requirement of a large number of toolings for a wide variety of components, our tool room is equipped with state of the art softwares, CNC Machines, wire cut EDM & all necessary general-purpose & special-purpose machines of leading manufacturers.

Bigger and critical moulds are also out sourced from Japan, Korea and China.

SOFTWARE for Machining

- iMachining
- DelCam

Machining Facilities

- CNC Machine - 7 Nos
Max Bed Size : 1700x710x710 (mm)
- EDM - 6 Nos
Max Bed Size : 1700x650 (mm)
- Wire Cut - 2 Nos
Size : 400x300x32 (mm)
- Die Spotting Press - 20 Tons

Our Tool Room is capable of making large, complex

- Injection Molds
- Extrusion Dies
- Thermoset Injection Molds
- Sheet metal Dies
- Checking gauges, Jigs & Fixtures



CNC machining for Wheel Cover Cavity



Mould Matching Press



Electrical Discharge Machines



CNC Machining Centers

“
Harmony with
Man, Machine
& Technology
”



CNC Spark Erosion Machine



Vision Measurement Machine (VM)



Mould Polishing



Mould Assembly

“ One Stop Shop
for
Plastic Decorative
Components ”



Emblem



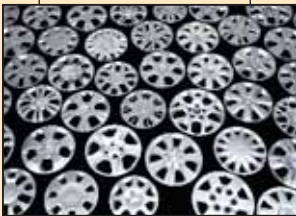
Door Handles



Grills



Badges



Wheel Covers



Ash Trays



Interior Plastic Parts



Fog Lamps



Garnishes



Mud Flaps



Body Side Mouldings



Front Bumpers

DOMESTIC OEM's

PASSENGER CARS



COMMERCIAL VEHICLES & TRACTORS



TWO WHEELERS



WHITE GOODS/OTHERS



TIER 1



GLOBAL OEM's



Polyplastics gained recognition as a global supplier for its products and finishes developed in collaboration with global companies from Japan, Spain and Italy. We at present are in a position to offer global quality standard part at competitive prices from India. We have already won prestigious orders from renowned OEMs globally for exports.

Over a period Polyplastics has emerged as one of a leading company for the manufacturing of Front Facia Grills, Hood Mouldings, and Rear Garnishes in different sizes and types. Our dedicated services to the customers have made us a leader in the industry & we continue to excel into the field of decorative techniques. At Polyplastics, we pioneered the core techniques for developing emblems, badges and Monograms by the Electroplating, Painting, Vacuum Metalizing, In Mold Decoration, Kromex & Hot Stamping systems.



Garnish



Decorative film inserts (IMD)



Front Bumper Grill



Our electroplated Parts have met the standards of Honda, Ford, Toyota, Nissan, Renault & General Motors so well that they have selected us for global sourcing.

Different type of large components with the different combination of assy. and materials has proved that Polyplastics strength not only lies in small components but it is equally technically sound in the design, development and supply of bigger parts also.

We have adopted our emblem manufacturing techniques to the production of wheel covers which serve both functional and ornament needs, combining aesthetics and function specification of OEMs. At Polyplastics, we have developed wheel covers by successfully painting PA6, PA66, ABS, PC+ABS, PP and PPO resins that offer superb shock, heat and scratch resistance. We have developed unique painting formulations and techniques to give a brilliant surface. We now offer multicolored wheel cover options to our customers.



Wheel Cover



Hub Caps



Chevrolet emblems



Door Handles (in collaboration with Sakae Riken Japan)



Emblem, Badges & Name Plates



Door Handles parts



Moulded Components



Moulded and Body Colored Mud Flaps



Body side Mouldings



Components & Assemblies

Our injection moulding facility has over 120 machines of latest technology with capacity ranging from 30 to 1600 tons. They produce high surface quality injection moulded parts suitable for post finishing operations like Electroplating, Painting, Hot Stamping and Vacuum Metallizing. They can also produce insert moulded and high precision parts in two materials as well as parts with dimensional stability requirements.

Polyplastics has an advanced state of the art, high capacity and flexible manufacturing set up which can meet the most demanding of customer schedules. We are capable of manufacturing over 3 million units per month. The sales order and production scheduling system is powered by the latest production software assessing the maximum information about customers' supply chain requirements.

The injection moulding machines with their advanced controls and closed loop material drying system enable us to achieve optimum manufacturing parameters, precision reproduction of components with high repeatability.

Preventative Mold Maintenance program, Process Validations, Lot traceability are additional tools which have been imbibed into our daily production systems to ensure smooth round the clock operations.

As one of the most modern and technical moulding shops, we have extensive know how and experience to process large range of engineering polymers. All moulding materials have been certified as free from hazardous substances by our suppliers.

Keeping in mind our commitment towards environment, we have installed only All Electric Injection moulding machine in the past decade. Recently we have also installed modern mould cooling systems which consume lesser water.

Our other equipment for decorating processes include High Pressure forming machine for film insert moulding from Neibling, Germany, Patented Soft 3D emblem manufacturing process from Italy and twin door PVD/Vacuum metalizing machines. We are now also offering latest Hot Foil Stamped grills and other decorative components.



Vacuum Metalizing Chamber



Neibling High pressure forming machine



Decorative film insert moulding



3D Emblem manufacturing & Screen Printing



Hot Stamping Machine



Auxiliary Equipment, Plating line

- Max. plating Window size 1600 mm x 1000 mm.
- Facilities at Yamunanagar, Pune, Bhiwadi and Gujarat.
- Tri Nickel with MPS process, Bright Hexavalent process, Trivalent Chrome in multiple colors and Satin finishes.
- Plating on ABS, PC+ABS.



Effluent treatment plant with water recycling system



Vacuum evaporator for Chrome recovery



Wheels Cover Painting Line



3 Coat Rotary spindle robotic paint line



Paint Shop



Assembly stations with Poka Yoke



Robotic Ultrasonic Welding

A strong quality culture prevails throughout the organization which allows Polyplastics to deliver highest quality products that meet customer expectations worldwide.

All processes are designed to manufacture products that meet customers' individual quality requirements. To guarantee Total Quality Management, which is the heart of reliability, we monitor quality control right from the initial stages of design and development.

We control process parameters at each stage of production to ensure consistent quality in our products. This enabled us to earn the invaluable confidence of our OEM customers who buy our components under their self-certification scheme.

Our finished products are subjected to repeated tests and evaluations conducted under extreme environmental conditions at regular intervals, in order to ensure high level of reliability and durability. Accuracy of the human eye, when inspecting products, goes far to guarantee the matchless Quality.

Our quality matrix comprises closed-loop management of non-conformance, corrective and preventive actions(CAPA), auditing processes and tracking their impact with real-time visibility.

“ We ensure strict adherence to OEMs specifications & quality standards ”



Pre-GCA Inspection



Environment Test Chamber & CASS Test



Front Facia (Grill) Checking Fixture



Plating Thickness/Step Testing



Micro Porosity Test



Dust Count Meter



Micro TRI Gloss Meter



Wheel Cover Balancing Machine



Paint Film Thickness Equipment



UTM Machine



Moisture Analyser



Oven, Humidity Chamber & Profile Projector

POLYPLASTICS INDUSTRIES(I) PVT. LTD - YAMUNANAGAR



O-15, Industrial Area, Yamuna Nagar- 135001 Haryana, India
 Total Area : 10000 sqmts
 Covered Area : 6500 sqmts
 Employees : 650
 Certifications : IATF16949, ISO14001, ISO27001, OHSMS45001, Q1, ASES-B, BIQS

PRODUCTION FACILITIES

INJECTION MOLDING :

- Capacity range from 30T to 680T – 17 machines
- Centralized new material conveying system with de-humidifiers

PLATING :

- Plating Window size 1600 mm X 1000 mm.
- Tri-Nickel with MPS process (Hexavalent process)
- Plating on ABS
- Un-interrupted Power Supply

PAINT SHOP :

- Painting with Conveyorised oven for emblems

UNITED PRECISION ENGINEERING COMPANY

Softwares : • Hexagon-VISI • Catia
 • NX • Autodesk-Powershape
 • Elsyca • Cadmould
 • Powermill • Autodesk-Autocad
 • Ansys • Creo

In-house Capacity to build tools and molding trials up to 680T

POLYPLASTICS UTTAR BHARAT PVT. LTD - YAMUNANAGAR



E-11, Industrial Area, Yamuna Nagar - 135001 Haryana India
 Total Area : 2850 sqmts Employees : 132
 Covered Area : 2257 sqmts Certification : IATF 16949

PRODUCTION FACILITIES

INJECTION MOLDING

- Capacity 75T to 660T – 13 machines
- Centralized raw material conveying system with De-humidifiers

PAINTING

- Wheel Cover Paint Line
- Maximum Capacity of painting for 1,25,000 wheel covers per month.

VACUUM METALIZING

- Chamber size 2000mm x 1800mm
- Paint facility for small V-M parts components.

DECORATIVE FILM INSERT MOLDING

- State-of-the-art high-pressure forming machine from Germany

POLYPLASTICS AUTO COMPONENTS PVT. LTD - CHENNAI



25-26, RNS Park, Oragadam, Chennai (TN)
 Total Area : 11332 sq.m
 Total Built up Area : 9308 sq.m
 Employees : 112
 Certifications : IATF 16949, AESE-B

PRODUCTION FACILITIES

INJECTION MOLDING :

- Capacity range from 100T to 1600T – 10 machines
- Centralized material conveying system with de-humidifiers

PAINT SHOP :

- Paint-line for wheel rim covers and small components, capacity 1,00,000 WRCs per month
- Fully robotic Conveyorised paint line for body-colored and other parts

POLYPLASTICS INDUSTRIES(I) PVT. LTD - PUNE



Plot No. B-30/2, MIDC, Ind. Area, Ranjan Gaon-412220 Distt. Pune, Maharashtra, India
 Total Area : 10000 sqmts
 Covered Area : 7000 sqmts
 Employees : 423
 Certifications : IATF 16949, ISO14001, Q1, AESE-B, BIQS

PRODUCTION FACILITIES

INJECTION MOLDING :

- Capacity – 30T to 680T – 19 machines
- Centralized raw material conveying system with de-humidification

PLATING :

- Plating window size 1600mm x 1000mm
- Tri-Nickel with MPS process, Bright Hexavalent process, Trivalent Chrome in multiple colors & Satin finishes
- Plating on ABS, PC-ABS
- Uninterrupted Power Supply
- Zero Liquid Discharge (ZLD) Plant

PAINTING :

- Wheel cover paint line, with capacity for 2,50,000 WRCs per month
- Body color painting for Grilles & Garnishes
- New paint line for large dia (>18") WRCs (In Progress)

HOT-STAMPING (In Progress) :

- 8T Servo-driven Hot stamping machine, with 500x400mm stamping area
- Front-grille sizes can be accommodated

DECORATIVE FILM INSERT MOLDING (In Progress)

- High-Pressure Forming Machine
- Screen-printing set-up
- Clear-coating paint line

POLYPLASTICS DECORATIVE PVT. LTD. - BHIWADI



Plot No. SP-181, Kaharani Indl. Area Bhiwadi, Rajasthan (India)
 Total Area : 15415 Sq. Mts
 Covered Area : 10000 Sq. Mtrs.
 Employees : 700
 Certifications : IATF 16949, ISO- 14001:2015, ISO- 45001:2018

PRODUCTION FACILITIES

INJECTION MOLDING :

- Capacity 50 T to 1600 T – 29 Machines
- Gas injection molding capacity 220 T
- Centralized raw material conveying system with De-humidifiers

PAINT SHOP :

- Body color painting lines for grills, Garnishes
- Robotic paint shop for Door Handles
- Batch paint shop for Emblems

PLATING :

- Plating window size 1600 mm × 1000 mm
- Tri nickel with MPS Process (Hexavalent process, Trivalent Chrome in multiple Color & Satin Finishes)
- Plating on ABS, PC+ABS
- Uninterrupted Power supply
- Zero Liquid Discharge (ZLD) plant

POLYPLASTICS INDUSTRIES(I) PVT. LTD - BAWAL



Plot No. 336, Phase II, Sector 3, IMT Bawal (Rewari), Haryana.

Total Area : 4050 Sq. Mtrs.
Covered Area : 5000 Sq. Mtrs.
Employees : 200
Certifications : ATF16949, ISO-14001: 2015, ISO- 45001:2018

PRODUCTION FACILITIES

INJECTION MOLDING :

- Capacity 100 T to 1500 T – 12 machines
- Centralized raw material conveying system with De-humidifiers

PAINTING :

- Wheel Cover Paint Line
- Maximum Capacity of painting for 1,80,000 wheel covers per month
- Body Colour Paint Line

3D EMBLEM (KROMEX)

PVD (SPUTTERING)

POLYPLASTICS INDUSTRIES (I) PVT. LTD – SANAND



E-266, Road no. 17, GIDC Sanand-2, Ahmedabad, Gujarat-382110

Total Area : 2000 Sq. Mtrs
Employees : 70

PRODUCTION FACILITIES

INJECTION MOLDING:

- Capacity ranging from 280T to 450T – Machines 4 nos
- Centralized raw material conveying system with de-humidifiers

PAINT SHOP:

- Wheel cover paint line
- Maximum capacity of painting for 1,25,000 wheel covers per month

POLYPLASTICS INDUSTRIES (I) PVT. LTD – DASLANA



Survey No. 1150-1164, Viramgam-Vithalapur Road, Daslana, Gujarat- 382150

Total Area : 90,000 Sqmts
Covered Area : 35,000 Sqmts
Employees : 590
Certifications : IATF 16949, OHSAS45001, ISO14001, ISO27001

PRODUCTION FACILITIES

INJECTION MOLDING:

- Capacity 50T to 1700T – 25 machines
- Centralized raw material conveying system with De-humidifiers

PLATING:

- Plating window size 1600mm × 1000mm
- Tri-Nickel with MPS Chrome (Hexavalent Process, Trivalent Chrome in multiple Color & Satin Finishes)
- Plating on ABS, PC+ABS
- Uninterrupted Power supply
- Zero Liquid Discharge (ZLD) plant

PAINTING :

- Manual 3-booth paint line
- New body-color Conveyorised painting line

ENVIRONMENT



Tree Plantation at Village Darwa



Adiabatic cooler



Air Scrubbers



Filter Press



Zero discharge System



Solar Cell

CORPORATE SOCIAL RESPONSIBLY



Putting Reflectors on vehicles for Road Safety



Scholarship awarded to students



Contributing towards Quality education in Darwa Sai School

EMPLOYEES INVOLVEMENT



Celebrating Womens day




Celebrating Labour Welfare Month



Mukhyamantri Shram Puraskar given by Hon'ble Sh. Manohar Lal Khattar (C.M)



CELEBRATING
50  **POLYPLASTICS**
 INDUSTRIES INDIA PVT. LTD.
 YEARS OF SUCCESS **Manufacturers of Precision Plastic Engineering Components**
 1967-2017



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