

The background is a collage of industrial images. On the left, there are stacks of steel reinforcement bars (rebar) with white labels. In the top right, a large industrial machine, possibly a rolling mill, is shown with a worker in a grey protective suit. In the center, a worker in an orange safety vest is inspecting large coils of steel. On the bottom left, a large rectangular steel beam is wrapped in red plastic, with a yellow label attached.

**DELIVERING  
EXCELLENCE**



**Plastochem India Private Limited**  
[www.plastochem.com](http://www.plastochem.com)





## Mr. M.R. Agarwal

Founder and Chairman

Founded in 1983 and headquartered in Kolkata, West Bengal, India Plastochem India Private Limited is a leading company manufacturing and providing packaging solution across all categories of industry - Iron and Steel, Beverage, Chemical, Confectionery, Cosmetics, Dairy Food, Pharmaceutical, Aluminium etc. At Plastochem we bring you the total solution for packaging including best quality with enhanced technology material.

Over the past 40 years we have created a niche in packaging industry for our unsurpassed quality of material and innovative techniques. This reputation guided us to enter into various products and technological segments like Heat Proof Labels, Chemicals, and Material Handling Equipments as per specification.

### → Packaging

- LDPE Shrink Film ■ PVC Shrink Film ■ Stretch Film
- PET Strap ■ Flexible Packaging ■ Air Bubble Film
- HDPE/PP Fabric ■ Kraft Paper ■ BOPP Tapes

### → Press Wood Pallets

### → Heat Proof Labels for using at extreme high temperature application

### → Fully Automated Robotic Solutions

### → Bonding and Sealing Chemicals and Compounds

### → Material handling equipment

Our factory uses the latest technology. Our investments in equipment and personnel ensure the very highest quality of product and service.

Please contact us for your requirements of material and machinery for packaging needs as well as day to day requirement of any products for your operation & maintenance department.





# VISION

To be a trusted, reliable and leading solution provider for Industry 4.0, promoting Make In India campaign and set our footprint globally. To provide niche solution and valued added products to our clients in the Global Market.

# MISSION

- The mission of the company is to achieve the vision with Benchmark working and products to all the Stakeholders of the company.
- With our Packaging solutions to customers, the customers can have a better branding, best packaging to make an edge in the market.
- To provide a Safe Working Environment.
- To provide best in class Automation for Traceability solutions.
- Our mission is to bring community and belonging to everyone in the world.



# HEAT PROOF LABELS/TAGS UP TO 1400°C



Heat Proof Labels are designed to withstand extreme temperature providing an efficient factory automation management tool and ensure quality control and dependable product traceability. Heat Proof Labels eliminates all kinds of Identity Losses and avoid the risk of mis-match during product identification. Our Heat Proof Labels can be used pasted online right after the Metal Product is made and the product can be given a Bar Code identity right after production.

## Features of Label/Tags

- Direct Hot Application on Metal surface from 200°C to 900°C
- Heat Management process up to 1400°C
- Robotic or Manual Application
- Human readable and Barcode printable (Customized)
- Integrable with Level 2 System
- Printable On-Site using TTR Printers



Our Labels and Tags can be printed using Thermal Transfer printers like Zebra, SATO which does not require Huge Investments.



# Unique Identification Coding Solution for your Manufacturing Industry:

Steel • Aluminum • Glass, Ceramic and Chinese Sanitary • Automotive Part Casting Mould • Tray Management for Electric Parts and Foods

Products		HP-120S	HP-150N	HP-350N	HP 380N+
	Type	Label	Label	Label	Label
Composition	Printing Surface	Acrylic	Silicone	Silicone	Silicone
	Base	Aluminium	Aluminium	Aluminium	Aluminium
	Adhesive or Printing Surface	Organic Glue	Organic Glue	Organic Glue	Organic Glue
	Liner	Paper	Paper	Pet	Paper
Heat Resistance		220°C	235°C	600°C	600°C
Applicaion Temperature		Rt-250°C	Rt-350°C	Rt-400°C	Rt-300°C
Recommended INK Ribbon		R510	YS-350	YS-350	YS-350
Colores and Previous Printing		Not Applicable	Not Applicable	Not Applicable	Not Applicable



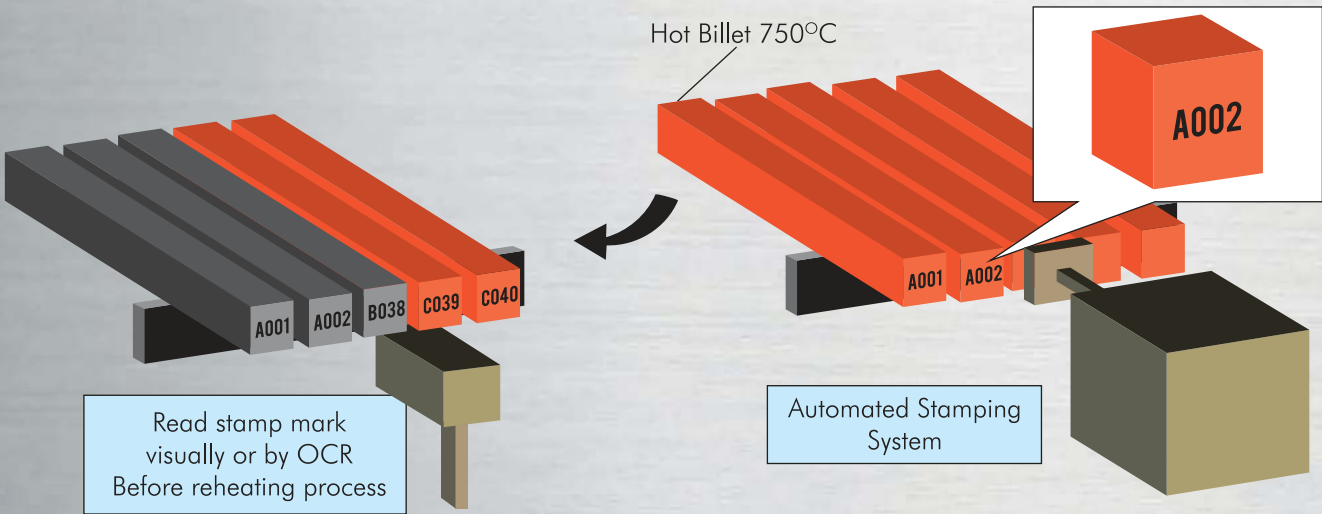
Products		HP-625	HP-901	HP-CBR Series
	Type	Label	Label	Label
Composition	Printing Surface	Silicone	Silicone	Silicone
	Base	Aluminium	Nickle Foil	—
	Adhesive or Printing Surface	Silicone Glue	Silicone Glue	Organic Glue
	Liner	—	—	Pet
Heat Resistance		600°C	1000°C	1200°C
Applicaion Temperature		250° - 600°C	300° - 1000°C	Rt-50°C
Recommended INK Ribbon		YS-4	YS-4	YS-4
Colores and Previous Printing		Not Applicable	Not Applicable	Not Applicable





# HOT BILLET TRACEABILITY

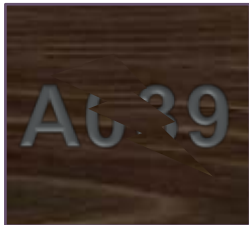
## PREVIOUS MANAGEMENT METHOD



### Problem

A639?

A089?



Poor stamp quality



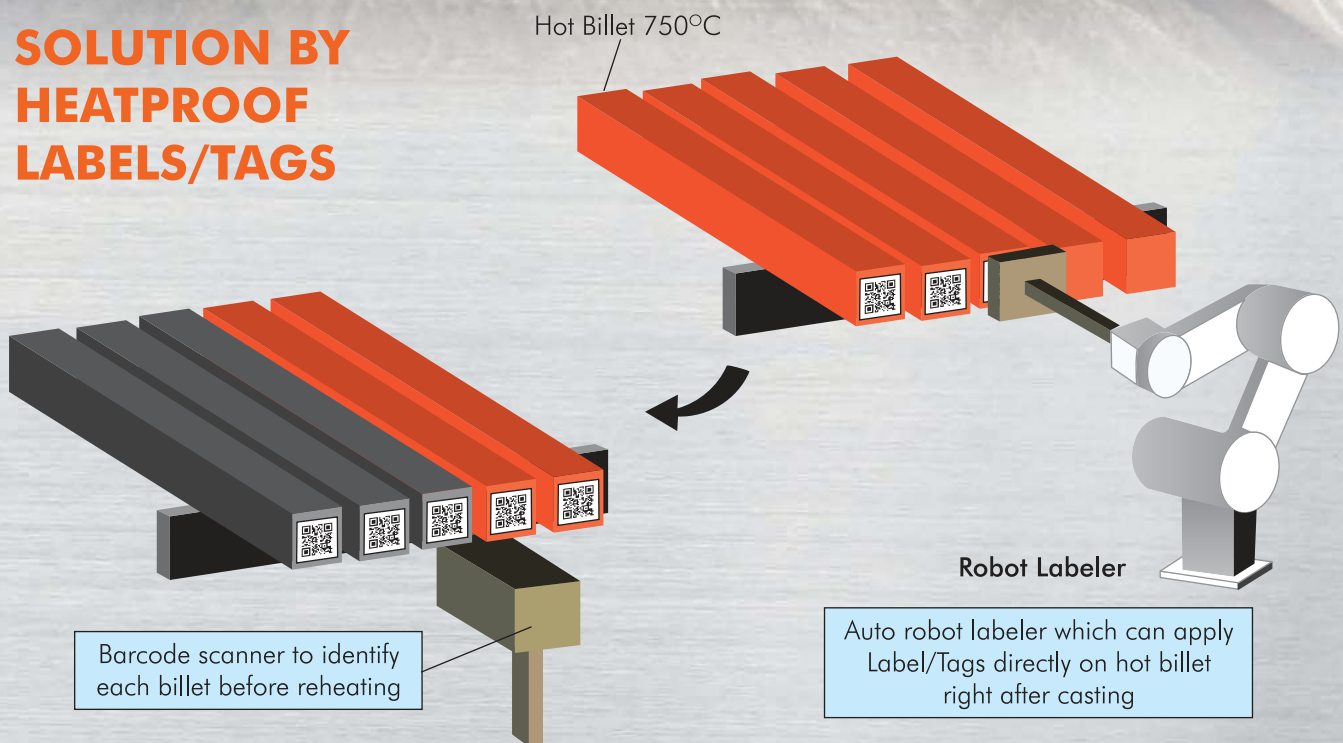
Rust

**Billet number is mis-read or OCR cannot work !**





## SOLUTION BY HEATPROOF LABELS/TAGS



## Key Benefits

- Product Traceability with QR Code
- Extreme Weather and Temperature Resistant
- Fully Automated Application System
- HHT and Auto Scanning
- Eliminate Mixed Steel issues
- Reduce Manual Chalk Marking cost







# COIL MARKING & LABELLING

- Identification of HR and CR Coils
- Automatic application of Labelling and Marking
- High Temperature resistance upto 1000°C
- Manual application of label pasting also possible







### Traceability you wish had Sooner..!

With our Heat Proof Labeling and Hot Paint Marking technology and solutions delivered to renowned customers globally, Plastochem has established a goodwill in this challenging area of Coil Identification. Our solutions provide the customers 100% Operational Efficiency with reliable automation solution at cost friendly investments.

### Customised Integration

Plastochem provides Engineering Solutions for Industries with customized integration.

We are constantly working to remove constraints of Automation, Man Machine interface etc and uses its expertise to find the most efficient and economical way to achieve productivity.

## Coil Identification

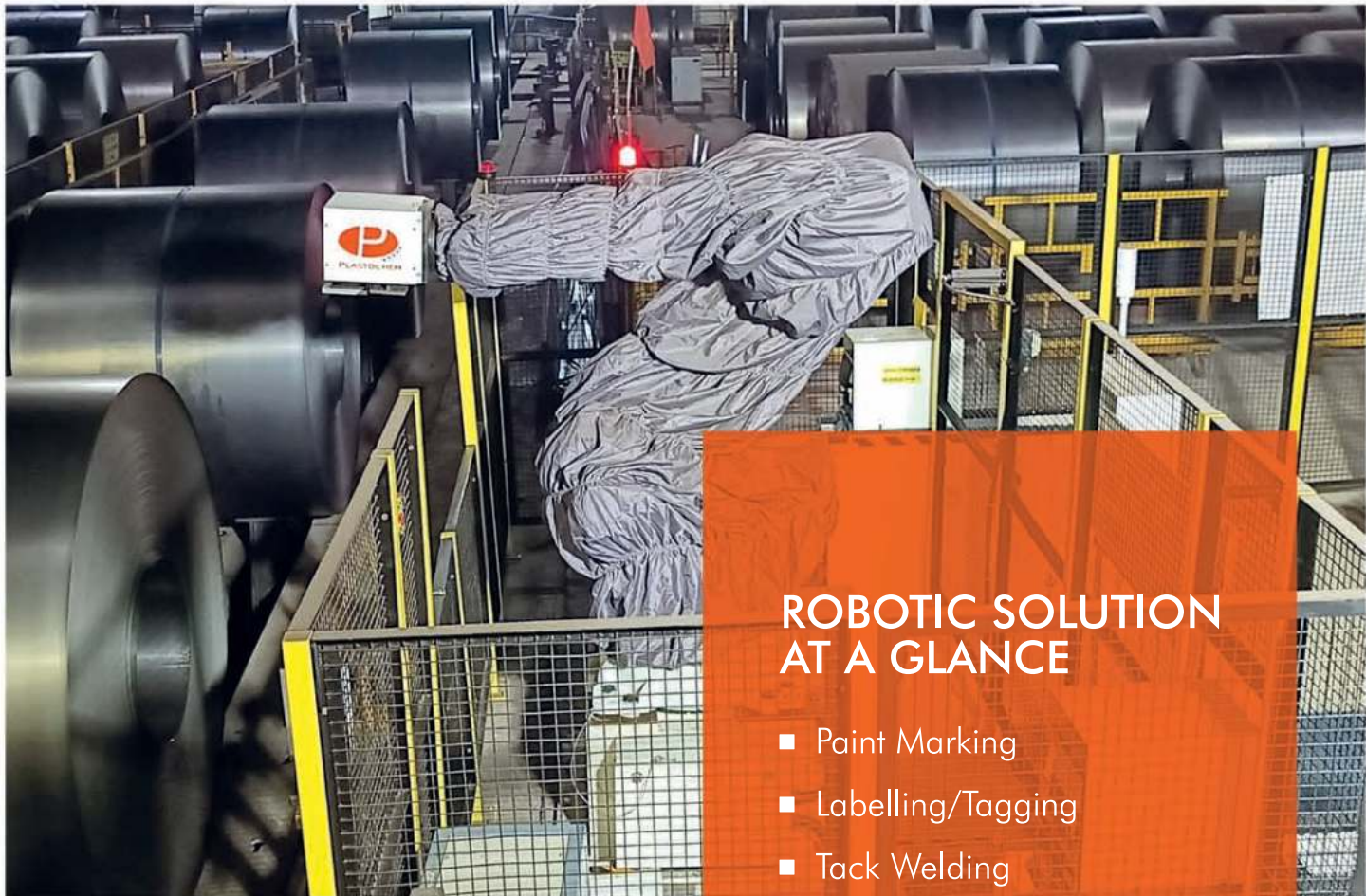
PRODUCT	CONDITION	TRACEABILITY	TEMPERATURE RESISTANCE	SOLUTION
HR COIL	HOT ROLLED COILS	HOT MARKING & HOT LABELLING	UPTO 1000°C	MANUAL OR ROBOTIC
CR COIL	COLD ROLLED COILS	COLD MARKING & COLD LABELLING	UPTO 200°C	MANUAL OR ROBOTIC



# ROBOTIC SOLUTION

Plastochem provides the Robotic Solutions for critical applications in the Steel Sector. We are Channel Partner of Kuka, ABB Robotics, Siemens and have developed in-house facilities for Integration in India. We have best in class engineers with huge experience and Worldwide Installations.

Our R&D Facility in India is equipped with latest technology to achieve the toughest applications in the best ergonomics. We integrate our systems in line with customer requirements. We are seamlessly working successfully in Big Conglomerates like SAIL, Tata Group, JSW Steel, Jindal Steel etc. with Top Notch Customised Robotic Solutions.








- Fully Automated
- Reliable Solutions
- Designed for Increasing Safety Standards
- Ergonomic Solutions
- In-house Integration
- Prompt after Sales Service

## ROBOTIC SOLUTION AT A GLANCE

- Paint Marking
- Labelling/Tagging
- Tack Welding
- Dross Skimming
- Sleeve Loading
- De-strapping Robot
- Barcode Scanning
- Other Customised Solutions





Robot Type	Description	Video Link/Photo
HR Coil Label Pasting Robot	HR Coil Up to 1000°C	
HR Coil Marking Robot	HR Coil Up to 1000°C	
Cold Coil Marking Robot	CR Coil	
Cold Coil Label Pasting Robot	CR Coil	
Hot Billet Identification	Robotic Billet Labeling up to 1200°C	



# END TO END **TRACEABILITY**

Earlier all products were traced manually using Chalk Markings etc. leading to Mix Ups and Rank A Defects.

Plastochem has successfully overcome the above hurdles with the use of Heatproof Labels/Tags management using Barcode Scanners and Softwares to eliminate Human Error and ensure tracking of all products until final usage.



- End to end tracking of Steel products
- QR Code Mapping
- Automatic Scanning by Online Scanners
- Manual Scanning through HHT
- Customised Software
- Direct Data Transfer to customer PLC











# MILLS PRODUCTS IDENTIFICATION

- Proper Barcode Identity
- Branding with multiple colour printing
- Heat Resistant Products
- Cost Efficient
- Stud Welding Application
- On Site Printing using TTR Printers
- Multi Colour Pre-Printed
- Weather and Tear Resistant
- Tagging using GI Wire and Hook/Clips
- Very Reliable. Being followed by JSW, Tata Steel and most of the plants all over the world.







ORANGE  
RIP PROOF TAG  
TEST PRINT

BLUE  
RIP PROOF TAG  
TEST PRINT

YELLOW  
RIP PROOF TAG  
TEST PRINT

Dolvi Works, Maharashtra (India)  
HSD STEEL SAIL  
Grade : F500SD  
Bundle Id : 214BD07466  
Quality Print  
WT(MT) : 3.975  
214BD07466

Dolvi Works, Maharashtra (India)  
HSD STEEL SAIL (LOW RESISTANCE)  
Grade : F500SD  
Bundle Id : 214BD07466  
Quality Print  
WT(MT) : 3.975  
214BD07466

VIZAG  
STEEL  
Pride of Steel  
SGS

IS 1786  
सेल SAIL  
CM/L0187244  
STEEL AUTHORITY OF INDIA LTD  
BHILAI STEEL PLANT  
BAR & ROD MILL  
H NO. :- C048244  
SEC :- TMT 10 MM EQR  
GRADE :- IS1786 FE500D  
BUN NO. :- 122084  
DATE :- 13-11-22  
TIME :- 1:06 PM  
LEN :- STD  
WT(T) :- 4.05  
BC :- 1  
MADE IN INDIA





## **COIL STORAGE** SYSTEM

Coil Storage System is a Engineered Recycled product with TUV Certifications which provides the customer with a Safe and Flexible Storage facility leading to systematic handling of Steel Coils in the Yard.



## FEATURES

- Safe Coil Storage up to 100 tonnes
- Flexible Coil Storage Solution
- Economy rail safe storage of Coils up to 2 Tiers/3 Tiers
- TÜV certified
- Tool less Assembly and Fast Installation
- Improved Safety for Personnel





# PRESS WOOD PALLETS



- Does not require "Fumigation Treatment". Fabricated using heat and pressure processes
- Standard for Phytosanitary Measures (ISPM) 15
- Saves up to 70% in loading space
- Saves 40% or even more packaging cost
- Totally Engineered product with Air Bag Press & Dynamic Load Tested
- Quarantine-free
- Suitable for the space and height of any conveyor system
- Does not require nails so that no complaints about torn bags due to nails in the pallet





# APPLICATIONS



## TECHINCAL SPECIFICATION & LOAD BEARING CAPACITY

These pallets are available in various sizes and dimensions with different load bearing capacity.

Model No.	Size	Weight	Dynamic Load (ton)	Static Load (ton)
EGPW-101	L1100 × W1100 × H135	15.5 ± 1.0	2.5	8.0
EGPW-102	L1100 × W1050 × H135	15.5 ± 1.0	2.5	8.0
EGPW-103	L1000 × W1000 × H105	14.0 ± 1.0	2.5	8.0
EGPW-104	L1220 × W1020 × H140	15.5 ± 1.0	2.5	8.0
EGPW-105	L1080 × W 950 × H135	14.5 ± 1.0	2.5	8.0
EGPW-106	L1050 × W1000 × H100	14.0 ± 1.0	2.5	8.0
EGPW-107	L1300 × W1100 × H110	18.0 ± 1.0	2.5	8.0
EGPW-108	L1080 × W1080 × H135	15.0 ± 1.0	2.5	8.0



# COMPLETE PACKAGING SOLUTION

PLASTOCHEM INDIA PRIVATE LIMITED is a manufacturer of value-added, innovative packaging materials for many industries worldwide including the following : Iron and Steel Industry, Beverage, Chemical, Confectionery, Cosmetics, Dairy, Food, Pharmaceutical, Aluminium, etc. Over the past 40 years, Plastochem has attained a world-wide reputation for unsurpassed quality and innovation in the production and conversion of packaging materials.



## Plastochem product lines include:

- Stretch Film
- PET Strap and PP Straps
- Kraft Paper (with/without Poly Coated)
- BOPP Tapes
- Packaging Machines
- Air Bubble Film
- Flute Board/Bubble Guard/Edge Protectors
- HDPE/PP Fabric (With/Without VCI Laminated)
- Presswood Pallets from Korea with 2 ton dynamic load capacity (100% eco friendly product)
- Complete Packaging Contract on Turnkey basis
- Although we've been around a long time, our factory uses the latest technology. Our investments in equipment and personnel ensure the very highest quality of product and service.





Packaging  
Machines



HDPE Fabric



Air Bubble  
Film



Kraft Paper



Flute Board



Strapping  
Tools



Pet/Steel  
Straps



VCI Products



Flexible  
Packaging



Marking Ink  
/Solvent



BOPP Tapes



PP Boxes

# QUALITY POLICY

Plastochem is committed to designing and delivering safe, effective and reliable products/ services. To achieve our quality goal, we will:

- Meet or exceed internal and external customer needs.
- Meet or exceed applicable worldwide quality standards and regulatory requirements.
- Continuously motivate and develop our employees to improve our processes and quality system.







## CERTIFICATIONS







# HEALTH AND SAFETY

Plastochem recognizes "SAFETY" as the core of the corporate management and will give the highest priority to safety in all business activities. Based on the concept of health and productivity management, the health of employees is the most essential, we will continually promote appropriate activities for health in all workplaces.







Plastochem India Pvt Ltd  
An ISO 9001:2015 & ISO 45001:2018 Certified Company

**ANNUAL HEALTH CHECKUP**

समृद्धि दो अनमोल संपत्ति है  
जिनकी देखभाल न करें तो नष्ट हो सकती है।



# OUR **PRESENCE**



Plastochem's products are recognised globally and are traded on a regular basis to various countries across the globe, including Japan, South Korea, Dubai, Oman, Indonesia, Africa, Turkey, China, Russia, Germany, Austria, Italy, Chicago, Brazil, Mexico and Australia among others.





“The expert in  
anything was once  
a beginner”

*-Helen Hayes*



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