

# THE INNER CIRCLE

BY JJ PLASTALLOY

OCTOBER 2023 - DECEMBER 2023

We are pleased to present the second edition of our quarterly newsletter, [The Inner Circle by JJ Plastalloy](#).

As part of this newsletter, we aim to showcase our expertise in innovative plastic products for the domestic and international markets. We take pride in collaborating closely with our customers to develop plastic products that fit their exact specifications.

“At JJ Plastalloy, we foster an engaging, supportive environment where ideas and people thrive. By constantly exploring new ways to invest in our employees, we ensure our company remains an inspiring place to build a career.”



**Mr. Shivam Bansal, Director**

At JJ Plastalloy,  
We live our principles daily!

I would like to commend each and every one of our JJ Family member for their outstanding work that has made JJ Plastalloy the successful company it is today.

Our continued growth and prosperity is thanks to their commitment to our core values of Hard work, Humility, Honesty & Adaptability.

It is their embodiment of these values and principles that serve as the backbone enabling JJ Plastalloy to thrive.

To my team, I would like to say, 'It is your willingness to work together, treating one another with dignity, learning from mistakes, and constantly improving that sets us apart from the competition.

I firmly believe that with the right attitude and proper training, we can groom anyone to be an effective leader. We are committed to providing continuous guidance and development.

It is this investment in our people that allows JJ Plastalloy to differentiate itself. This allows us to pioneer innovative solutions, and cement our status as a top manufacturer of choice.

I am honoured to work alongside such an exceptional team. Thank you for making JJ Plastalloy a company we can all be proud of by living our values each day.

Keep up the outstanding work!



## SNEAK PEEK

See what's inside

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- Culture@JJPlastalloy
- Employee Spotlight
- Awards & Recognitions

## Boosting Food Security Through Mulch Film Advancements



The key to effective black and silver mulch films lies in perfecting the masterbatch formulation.

By optimizing the concentrations of carbon black and titanium dioxide pigments within the polyethylene carrier resin, the films can maximize light absorption and reflection.

This light manipulation enables the mulch to effectively regulate soil temperature, curb moisture evaporation, suppress weed growth, and reduce pest damage.

With these benefits, properly formulated mulch films boost crop yields and agricultural sustainability. The end result is enhanced long-term food security for India through mulch film advancements.

At JJ Plastalloy, we aim to bring about positive change. Whether it's enhancing food security through advanced mulch films or enabling connectivity through durable polymer casings, we embrace science not for science's sake, but for human welfare.

From lab innovations to sustainable practices, we aim to help people overcome daily challenges. For us, success means a positive impact, not just revenue. Progress and conscience must work hand-in-hand.



## Case Study: Red Carpet Colour Enhancement

Our client, a manufacturer of high-end needle-punched carpets, approached us with a problem - the vibrant red colour of their luxury carpets was fading prematurely when exposed to sunlight and moisture.



**After analyzing fiber samples at our Tatva Knowledge Centre, we determined two issues:**

- The colour masterbatch was not optimized for carpet fibers, reducing colourfastness.
- In Polyester Staple Fiber (PSF) lack of UV stabilization causes colour fading.

**To solve this, our team:**

- Carefully selected high-quality pigments to achieve the desired vibrant red hue.
- Optimized extrusion parameters to minimize thermal stress on pigments.

When implemented in production, the manufacturer achieved a long-lasting vibrant red colour in their luxury carpets, without compromising on quality or durability.

This case illustrates our expertise in custom masterbatch design and process optimization to meet unique colour performance requirements for clients.

**The newly developed masterbatch formulation enhanced colour strength, gloss, and vibrancy while minimizing cost increases.**



## Plastics: An Underestimated Hero of Modern Life

Plastics contribute silently to many of the advancements we take for granted in modern life.

Without polymer science and plastic technology, the past century of human progress would not have been possible.

Consider how plastics have transformed major industries like automotive, construction, packaging, clothing, electronics, and medical research.



Plastics play a multifaceted role in today's world, making significant contributions to various industries. They serve as the unsung heroes behind the scenes, enhancing the performance and safety of countless products and applications.

In the automotive sector, plastics are indispensable, contributing to lightweighting vehicles, thereby improving fuel efficiency, strength, and safety. Meanwhile, in the construction industry, polymers find diverse applications in insulation, pipes, windows, and more, contributing to energy efficiency and structural integrity.

Step into a supermarket, and you'll encounter plastics in every aisle, from the ubiquitous PET and polyolefin food packaging to the shelves themselves. Consumer goods and scientific advancements also rely on plastic components, enabling innovative solutions to complex problems.

**At JJ Plastalloy, we help upgrade plastics in all the industries mentioned above. Our masterbatches and EPC strengthen and improve plastics.**

Our **NIR BLACK MASTERBATCHES** already help segregate recyclables.



**WE BELIEVE**

better waste management, behavioral changes, and better governance are key solutions to these problems.

We are committed to providing innovative solutions to help reduce plastic waste.

## Bringing Hope through Science: JJ Plastalloy's Journey of Goodwill

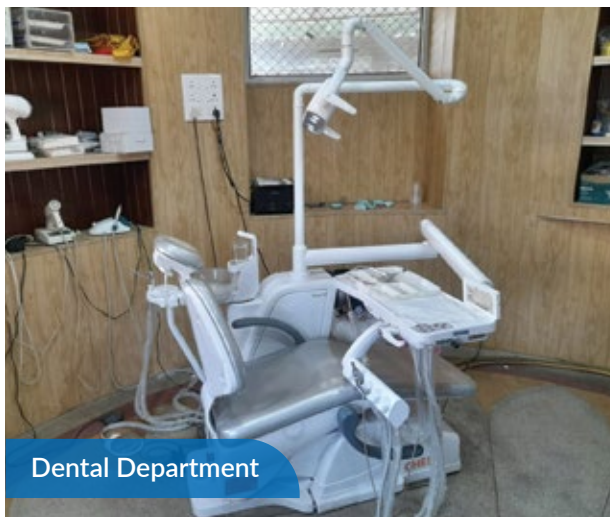


At JJ Plastalloy, human well-being guides our mission. As expressed in our tagline, "Science that better your everyday," we believe medical technology epitomizes how science uplifts lives.

Recently, we donated essential medical equipment to a charitable hospital in Varanasi. These machines were given with care to bring healing and hope to those in need.

In each assisted heartbeat and every life touched, our donated medical devices carry our ethos - turning science into hope. Through such acts of kindness, we aim to create meaningful impact.

Guided by our commitment to human welfare, we will continue this journey of purpose, using science as a force for good in the world.



Dental Department



Phototherapy Machine



Eye Department



Dialysis grade RO water treatment system-Fully automatic

## Igniting Ideas for Product Innovation

At JJ Plastalloy, a robust learning culture ignites differentiation, fuels research, and propels innovation. Every idea has the potential to revolutionise our products and services.

Throughout the year, we invest in a variety of learning initiatives and programs.

- Targeted training sessions
- Interactive workshops
- Mentorship
- Study of industry trends & best practices



### Employee Spotlight



Mr. Sanjay Yadav



Mr. Majid Akhtar



Mr. Rahul Yadav



## Employee Satisfaction Survey 2023

We are thrilled to share the fantastic results of our annual employee satisfaction survey. Our people praised JJ Plastalloy for its nurturing and educational work culture. Employees specifically appreciated open communication, mentor access, and a safe work environment.

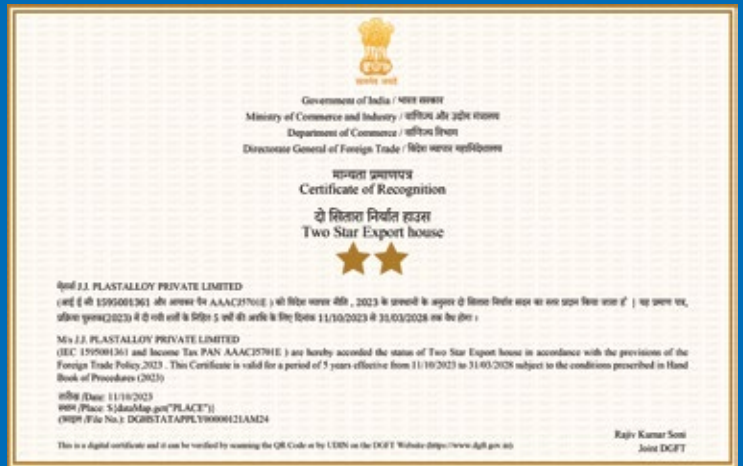
These surveys demonstrate our commitment to fostering a positive, engaging environment where everyone can thrive. We are proud that our employees feel supported, empowered, and happy here. Their fulfilment fuels our continued success.



## Recognised as a 2 Star Export House

At JJ Plastalloy, we are humbled and proud to have been awarded a 2 star Export House certificate from the Government of India and Directorate General of Foreign Trade. We share this honour with our valued customers around the world.

Your trust and loyalty have enabled us to establish JJ Plastalloy as a globally recognised Indian brand. Our export success is a testament to the quality we consistently deliver.



Trade Fairs are a great opportunity for us to interact with our customers, observe new trends and explore new products in the market. We are extremely enthused to be at the following upcoming fairs and really look forward to meeting you there!



|                   |                     |                  |
|-------------------|---------------------|------------------|
| Plastivision 2023 | Dec - 7 to 11, 2023 | Mumbai           |
| Plastex 2024      | Jan - 9 to 12, 2024 | Egypt            |
| NPE 2024          | May - 6 to 10, 2024 | Orlando, Florida |

Contact us : [91 88087 36600](tel:918808736600) [dhirendra@jjplastalloy.com](mailto:dhirendra@jjplastalloy.com) [www.jjplastalloy.com](http://www.jjplastalloy.com)