



VINIR
ENGINEERING

MONTHLY NEWSLETTER

APRIL, 2024

Current Affairs
of The Industry ●

A Peek Into our
Activities from April ●

Marking Moments ●



Current Affairs of The Industry

How Data and Automation are Revolutionizing the Art of Forging

No longer bound by traditional methods, the forging industry has stepped into a new era propelled by innovation. Let's understand how data-driven insights and automated processes are steering this revolution. By tapping into the power of data analytics, manufacturers can attain unparalleled visibility into each and every aspect and detail of the forging process. Right from raw material composition to temperature fluctuations, every thing is painstakingly analyzed in real-time, consequently leading to proactive adjustments and optimization.

Sensors become the watchful eyes: Every nuance of the process, from the precise heating temperatures to the delicate forming pressures, is meticulously monitored by a network of sensors. The language of metal is finally understood: Advanced simulation software acts as an interpreter, analyzing the vast library of data from countless past forgings. Robots become tireless assistants: Repetitive tasks that once demanded constant attention are entrusted to automated systems

The result is a harmonious blend:

Unwavering Consistency

Minimized Waste

Unprecedented Efficiency

The Human Touch, Evolved

It's about a dynamic interplay between the wisdom of experience and the power of data, leading to a renaissance in metalworking.



Forging a Greener Future: Near-Net-Shape Solution

Ever speculated how much material wastage is caused in manufacturing? Traditional methods mostly involve starting with a large chunk of metal and subsequently removing the excess to forge the desired component. This not only generates colossal scrap but also drives up costs and environmental impact. But there's a more elegant solution: near-net-shape forging. Think of it as metal sculpting, where the starting point is already remarkably close to the finished product. The benefits of near-net-shape forging are undeniable:

Lower Material Waste: Commencing with a shape closer to the final product, near-net-shape forging significantly minimizes material waste. It also results in colossal cost savings for manufacturers and smaller environmental footprint.

Lower Production Costs: Less material waste also means less material to purchase. Additionally, near-net-shape forgings require minimal post-processing, significantly reducing machining time and associated labour costs. This means faster production cycles and a more streamlined supply chain.

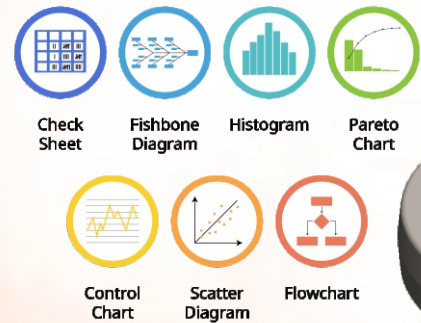
Sustainability: With less material waste and reduced energy consumption during production, near-net-shape forging is a clear win for environmentally conscious manufacturers. This innovative technique is ideal for high-volume production of components with complex geometries. From aerospace parts to automotive components, near-net-shape forging offers a sustainable and cost-effective solution for diverse industries

A Peek Into Activities from April..

Technical Training on 7 QC Tools

Last month, our team was trained on 7 QC Tools by Mr. Aravindh : Check Sheet, Fishbone Diagram, Histogram, Pareto Chart, Scatter Diagram, Flowchart. By mastering these tools, our team is empowered to catch and prevent quality issues before they impact production.

7 QC Tools



Customer Audits & Visits

This past month has been a whirlwind of activity at VINIR. We've been busy forging strong relationships with industry leaders, conducting audits, and welcoming valued customers to our facilities. Our team has been on the move, connecting with customers across the globe. We hosted successful visits from: Flowserve, Honeywell, Propel, John Cockerill, Yuken India, Epiroc, David Brown Santasalo and CAB Worldwide.

IMS Surveillance Audit

We're proud to announce that we've successfully undergone an IMS Surveillance Audit! This audit isn't just a tick-the-box exercise. It demonstrates VINIR's unwavering dedication to: Quality, Environment, Safety and a Commitment to Continuous Improvement.



CIP Review Meeting

The CIP Review Meeting held last month was a powerful testament to VINIR's dedication to continuous improvement. It wasn't just about reviewing past performance – it was about charting a course for even greater success. The meeting reviewed progress made on existing improvement initiatives across various departments.



Rama Navami Celebration

As we reflect on the past month at VINIR, a very special celebration stands out – Rama Navami. This holy festival, marking the birth of Lord Rama, resonates deeply with the values we hold dear at VINIR. We see this as an opportunity to recommit ourselves to these core values and identify ways to further integrate them into our daily operations.



Annual Vendor Meet

This month at VINIR wasn't just about internal achievements – it was also about fostering strong relationships with the amazing vendors who contribute to our success. The Annual Vendor Meet provided a fantastic platform for VINIR to connect with our valued suppliers. The event fostered open communication, collaboration, and a shared vision for moving forward.



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