
ARiN TECHNOLOGIES

Why **ARIN** Technologies

ARIN TECHNOLOGIES is a quality solutions provider, mainly focused on the field of metrology.

We are providing excellence in quality inspections using the latest and most advanced coordinate measuring machines.

We are a team of skilled engineers with excellent knowledge in handling government projects, MNC projects, aerospace, etc.

With our latest imported equipment, we are providing **24x7 customer support** on-site all over **INDIA**.

OUR **CLIENTS**


BrahMos


HAL


DRDO
DEFENCE R&D ORGANISATION
MINISTRY OF DEFENCE
DRDO


MIDHANI


इसरो isro


wipro


tpi COMPOSITES


L&T Shipbuilding


LM WIND POWER


SIEMENS Gamesa


ALSTOM


PMEL


WHEELS INDIA LIMITED


SKYROOT
AEROSPACE


CATERPILLAR®


VASSMAAN
ENGINEERING CONSULTANCY


DANIELI


Jai Raj Steel®
STRENGTH YOU CAN TRUST

INDUSTRIES WE SERVE

Aerospace

Wind Energy

Automotive

ARiN TECHNOLOGIES

Robotics calibration

Ship Building

Heavy Vehicle

Locomotive


AEROSPACE

SKYROOT
AEROSPACE

Dear ARTIN TECHNOLOGIES,

Sub: Thank you for your support for our space launch

At the outset, we are happy to inform you of the huge success of our Vikram-S space launch project, Prarambh, which took place on 18 November 2022 at Sriharikota.

While we are proud of our landmark accomplishment and excited at the overwhelming response we are getting from far and near, we are cognizant of the strong support and contribution of vendors and partners like yourselves, without which the project wouldn't have been as successful.

At this moment of joy, we would like to greatly appreciate your unstinted support and sincere efforts towards the project, as a highly dependable supplier of quality products which helped us create a world-class launch vehicle like Vikram-S.

We look forward to your support for our forthcoming projects as well.

Thanking you.

SKYROOT AEROSPACE PRIVATE LIMITED HYDERABAD

Warm Regards,
Pawan Kumar Chandana
Co-Founder
Skyroot Aerospace

Skyroot Aerospace Private Limited, Hive Space, Divine Babylon Towers, Whitefields Road, Kondapur, Hyderabad-500084, Telangana, India.
CIN: U74999TG2018PTC125073

OUR ACHIEVEMENT:

It is the great gesture from Skyroot on our service at Laser Tracker & PCMM measurement support. THE PATHBREAKING LAUNCH MISSION FOR THE INDIAN PRIVATE SPACE SECTOR.

SHIP BUILDING

IN SHIP BUILDING

The laser tracker revolutionizes shipbuilding by providing precise and efficient measurement capabilities, ensuring unparalleled accuracy in the assembly and alignment of ship components during construction.

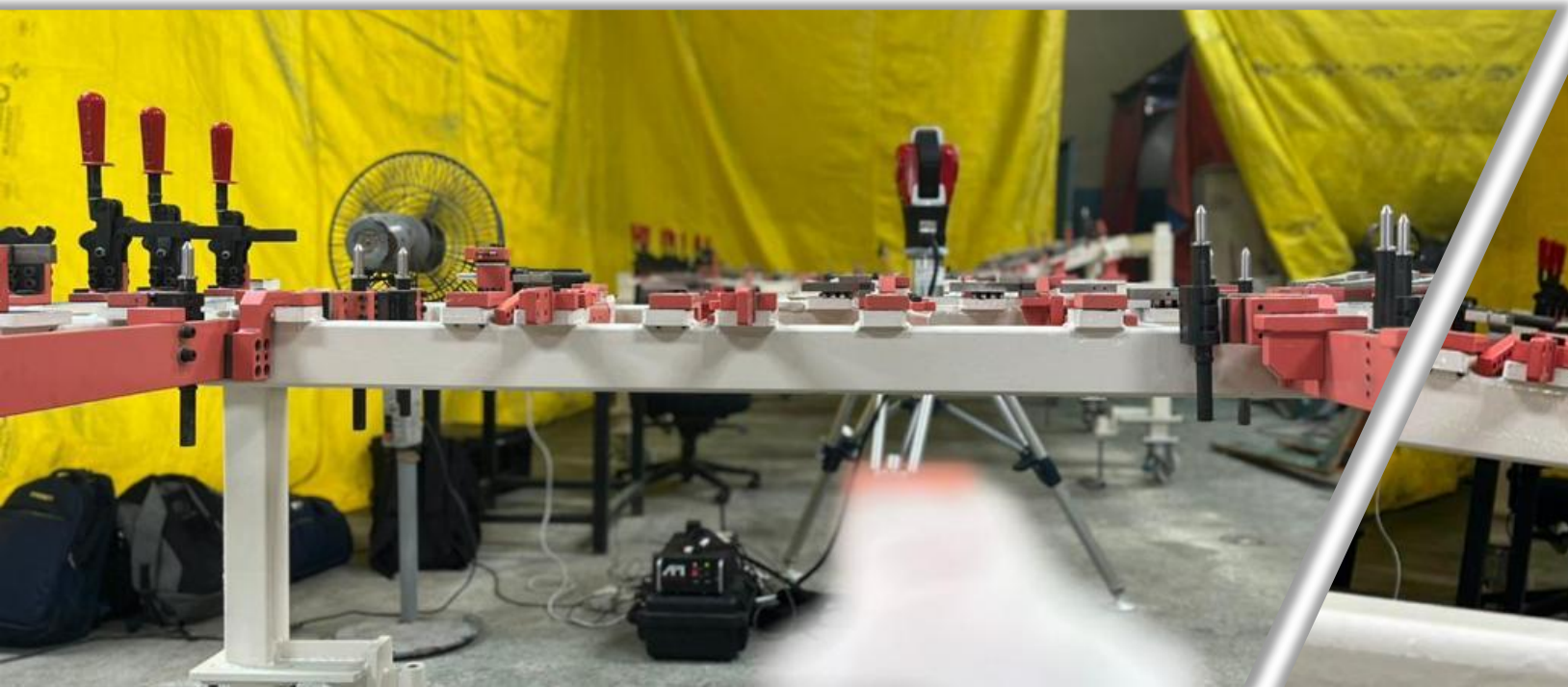
WHAT WE DID IN SHIP BUILDING

In Shipbuilding we have inspected the FR 156 warship Gear Box Assy pre and post machining laser survey.

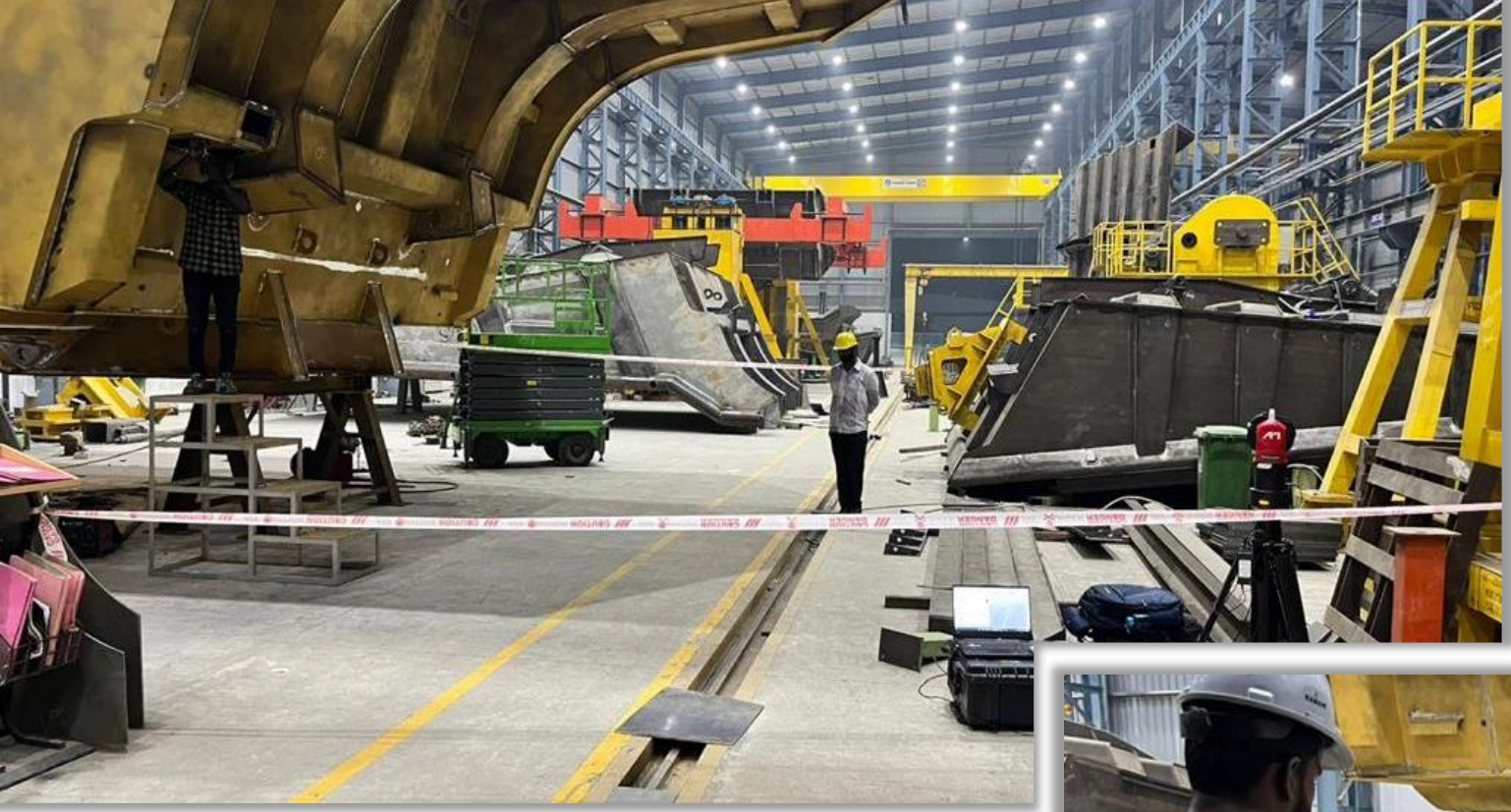

LocoMotives
ALSTOM
N.RLY
WAG12B
60025
INDIAN RAILWAYS

IN LOCOMOTIVES

We are supporting to Alstom, had very good experience in installation of car body fixture more then 15meters. And also have experience on laser tracker inspection of side wall jigs, end wall jigs, gangway jigs, static Gauge and car outer body profile inspection.



HeavyVehicle

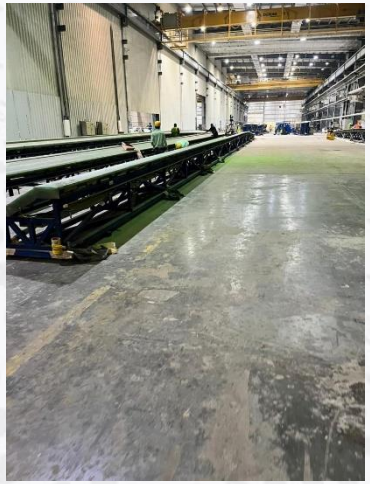


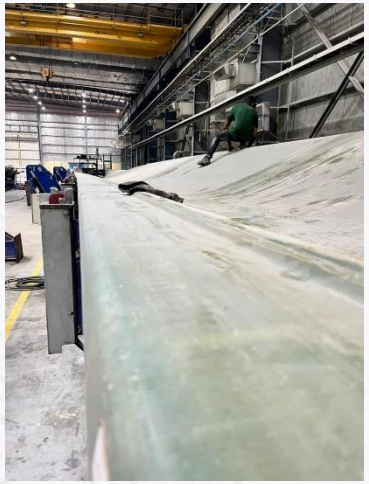
IN HEAVY VEHICLE

We are very much experience in measuring caterpillars parts like 7 series body , cabin, Boring fixtures etc. We have strong knowledge in GD&T to measure all type fabricated parts and machining parts.

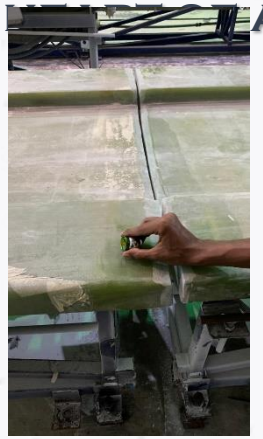

WindEnergy

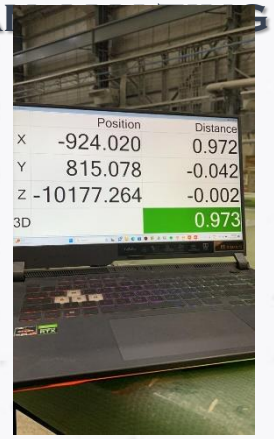
Our Projects

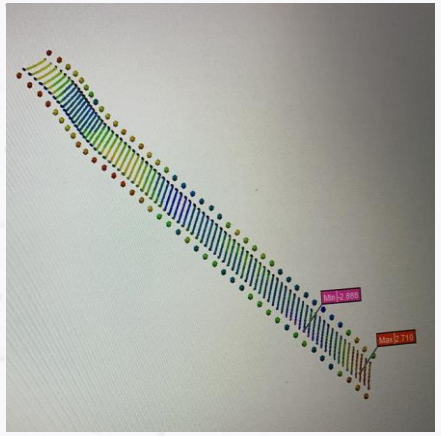


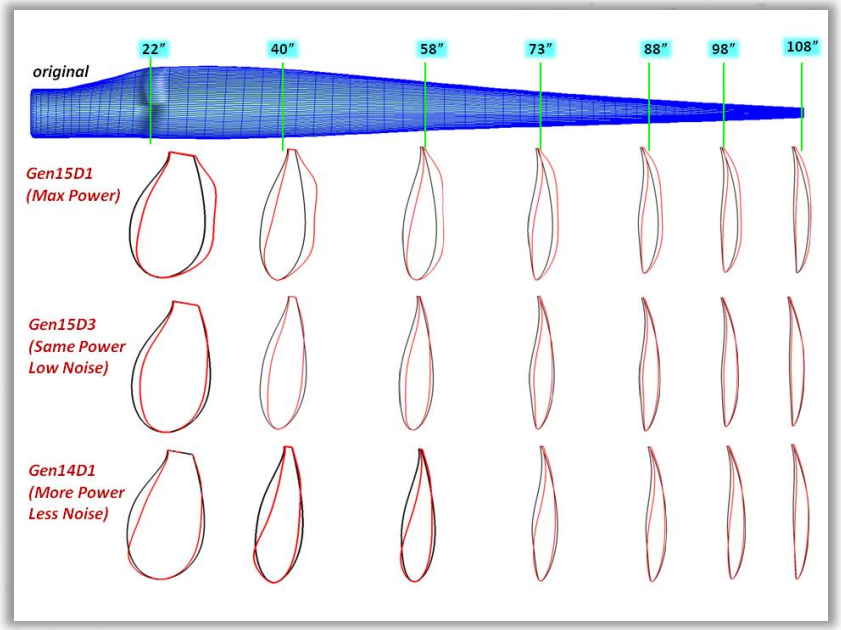


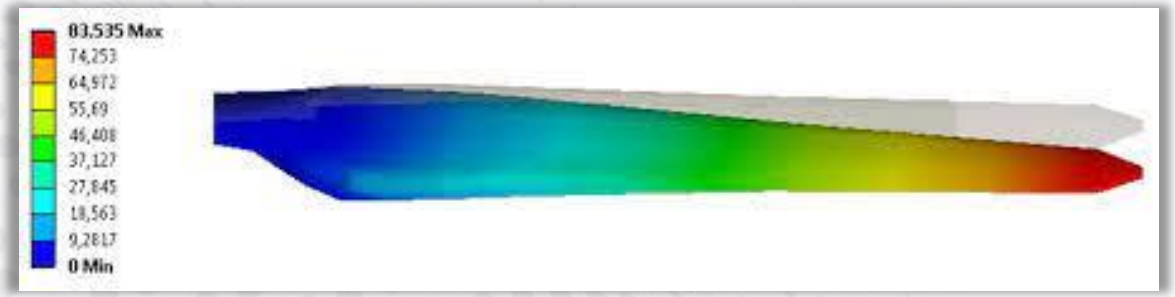
Imagine a high-tech wizard overseeing the creation of a windmill mold – that's a **laser tracker** for you. This clever tool uses lasers to measure every nook and cranny of the mold's surface. It's like a super accurate 3D scanner that ensures the windmill shape turns out just right. The laser tracker's job is to make sure all the curves and corners are in perfect harmony. It's like giving the mold a final check-up before it becomes the











ON MOULD

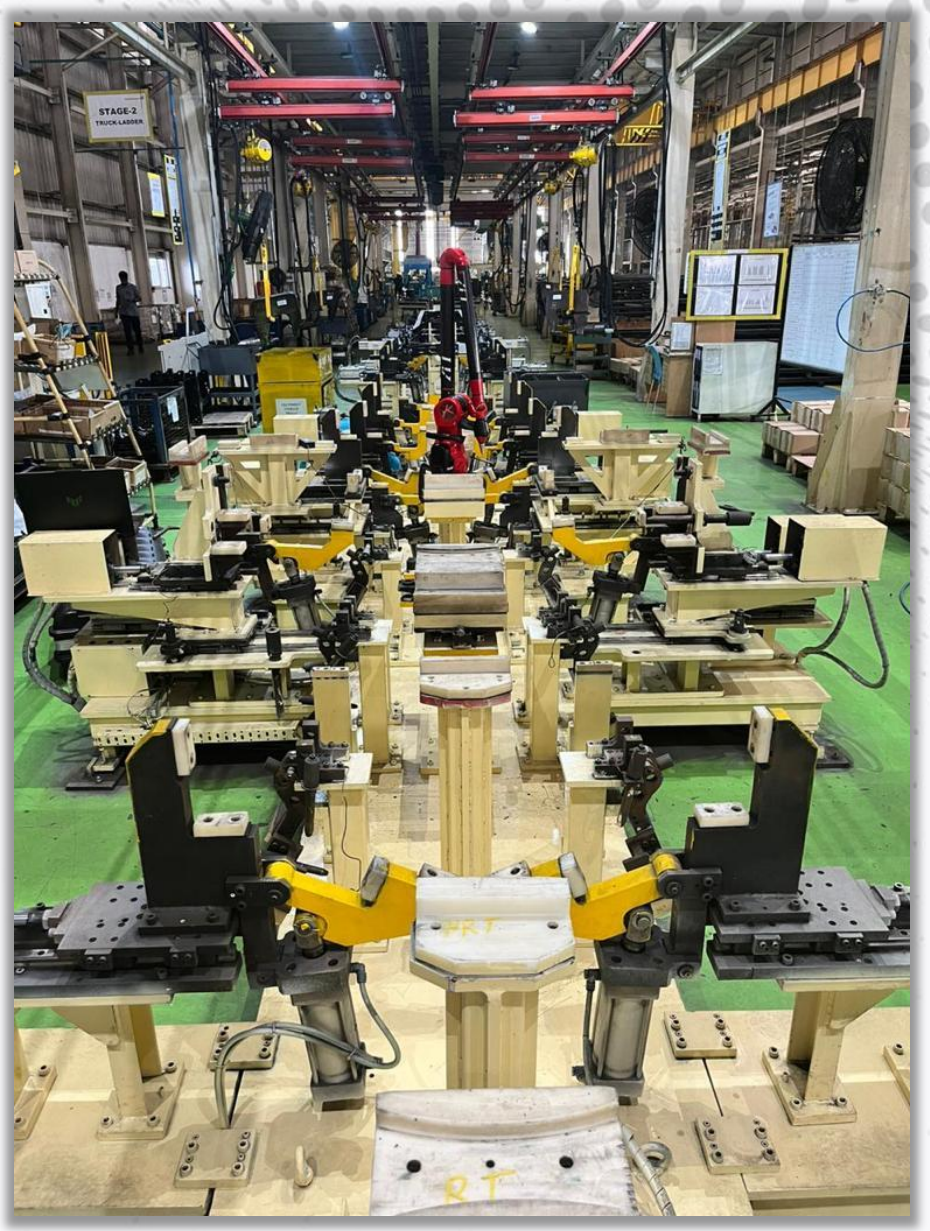
Using laser tracker, we support on full mould scanning, full mould leveling, root plate alignment and mould straightness.

ON BLADE

We inspect Cross Section at every meter, with every cross section blade thickness, cord length and twist angle can be measured.

We have very good experience in installation of mould & Blade
Profile inspection.

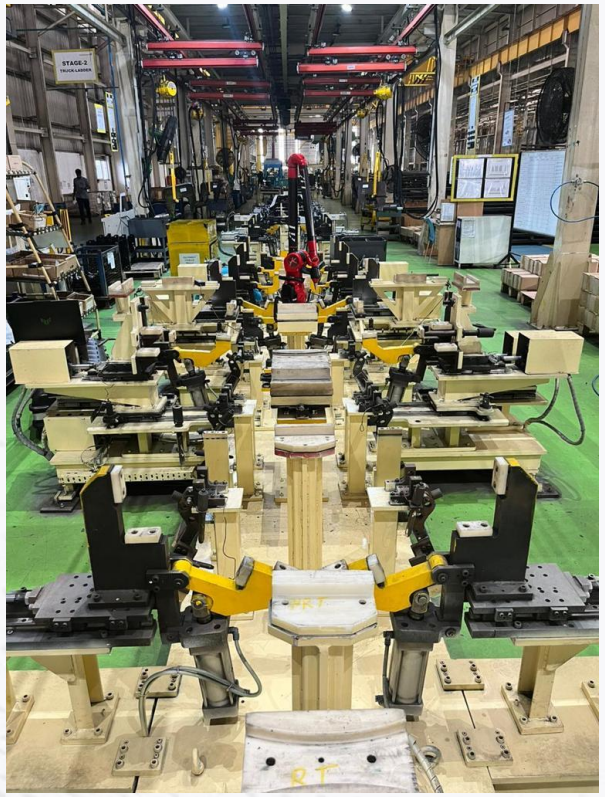

AUTOMOTIVES



The Automotive industry is the second-largest market for Laser Trackers after the Aerospace industry. The **Laser Tracker** has become a critical measuring technology utilized both during the introduction of new models into ever-increasingly automated assembly plants, and as a tool to maintain process control of vehicle quality during assembly operations.

Below we highlight some of the many and diverse applications that have become common place for Laser Trackers within the Automotive industry. Some of the Laser Tracker's benefits include portability, ease of operation, consistency of measured data, short- and long-range measuring capability, and immediate feedback of measurement allowing real-time adjustments.

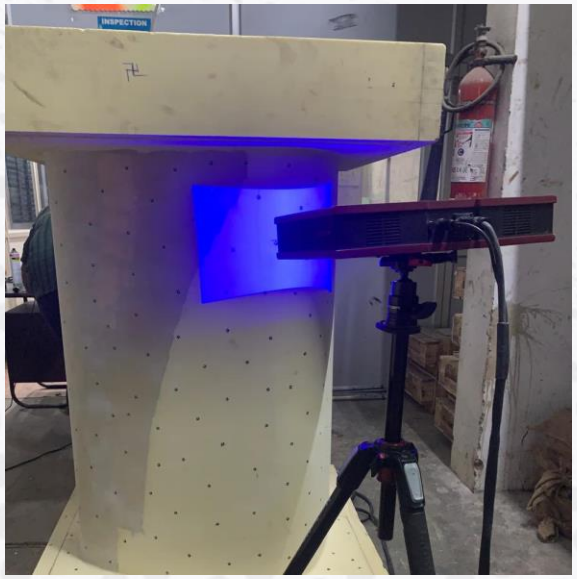

Portable Arm



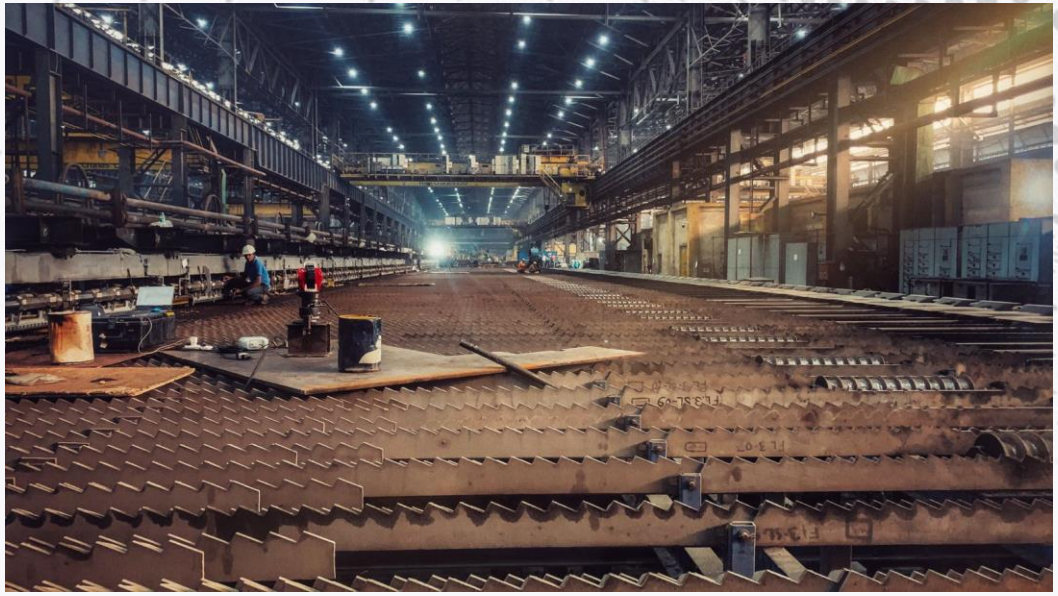
The CMM portable arm stands as a pinnacle of precision engineering, offering a multitude of advantages for dimensional metrology tasks. Its foremost advantage lies in its **flexibility and portability**, enabling measurements to be conducted directly on the shop floor or in diverse manufacturing environments. This mobility eliminates the need for transporting workpieces to stationary measurement machines, **reducing downtime and improving operational efficiency**. Additionally, the CMM portable arm's modular design facilitates quick setup and reconfiguration, enhancing workflow agility and adaptability to varying measurement requirements. Its **high accuracy and repeatability** ensure reliable measurement results, contributing to stringent quality control standards and product consistency. Moreover, the integration of advanced probing systems and software enhances measurement capabilities, allowing for the inspection of complex geometries with precision and ease. Overall, the CMM portable arm embodies efficiency, accuracy, and versatility, empowering industries to elevate their dimensional metrology processes to new heights of excellence.

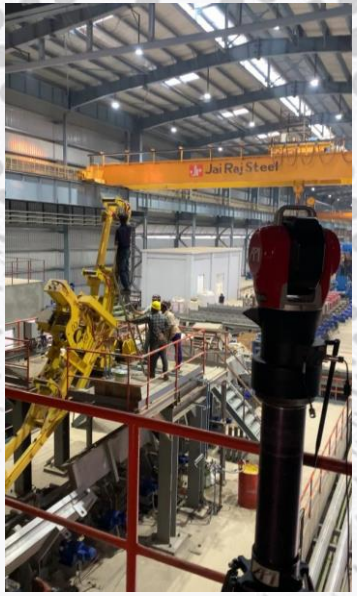
3D Scanning

3D scanning and reverse engineering offer a transformative approach to product design, prototyping, and manufacturing, providing several distinct advantages. Firstly, 3D scanning enables **the rapid and non-contact capture of precise geometric data from physical objects**, facilitating the digital replication of complex shapes and surfaces with unparalleled accuracy. This capability streamlines the design iteration process, allowing for faster prototyping and product development cycles. Additionally, 3D scanning provides a comprehensive digital record of existing components or structures, which proves **invaluable for quality control, inspection, and documentation purposes**. Moreover, reverse engineering, enabled by 3D scanning technology, empowers engineers to analyze and understand the design intent of legacy parts or products. This knowledge can be leveraged to optimize designs, troubleshoot manufacturing issues, or re-engineer components for improved performance or compatibility. Overall, the integration of 3D scanning and reverse engineering accelerates innovation, reduces time-to-market, and **enhances product quality**, making it an indispensable toolset for modern design and manufacturing industries.




Steel Sector





We have extensive experience in providing precision alignment and inspection services for steel factories, leveraging advanced laser tracker technology to ensure unmatched accuracy. Our expertise spans **the alignment of bar mills, rollers, mill housing inspections, and caster alignment**, catering to the diverse needs of steel manufacturing facilities. From addressing complex alignment challenges to optimizing the performance of critical machinery, we prioritize precision and efficiency in every project.

A notable achievement is the alignment of a **90-meter bar mill in West Bengal**, where we successfully delivered accurate results despite challenging environmental conditions. Our mill housing inspections and caster alignment services have consistently improved equipment reliability and extended operational lifespans, minimizing downtime and enhancing production quality. With a strong commitment to delivering tailored solutions, we have established ourselves as a trusted partner for steel factories seeking precision engineering services.

Thank You