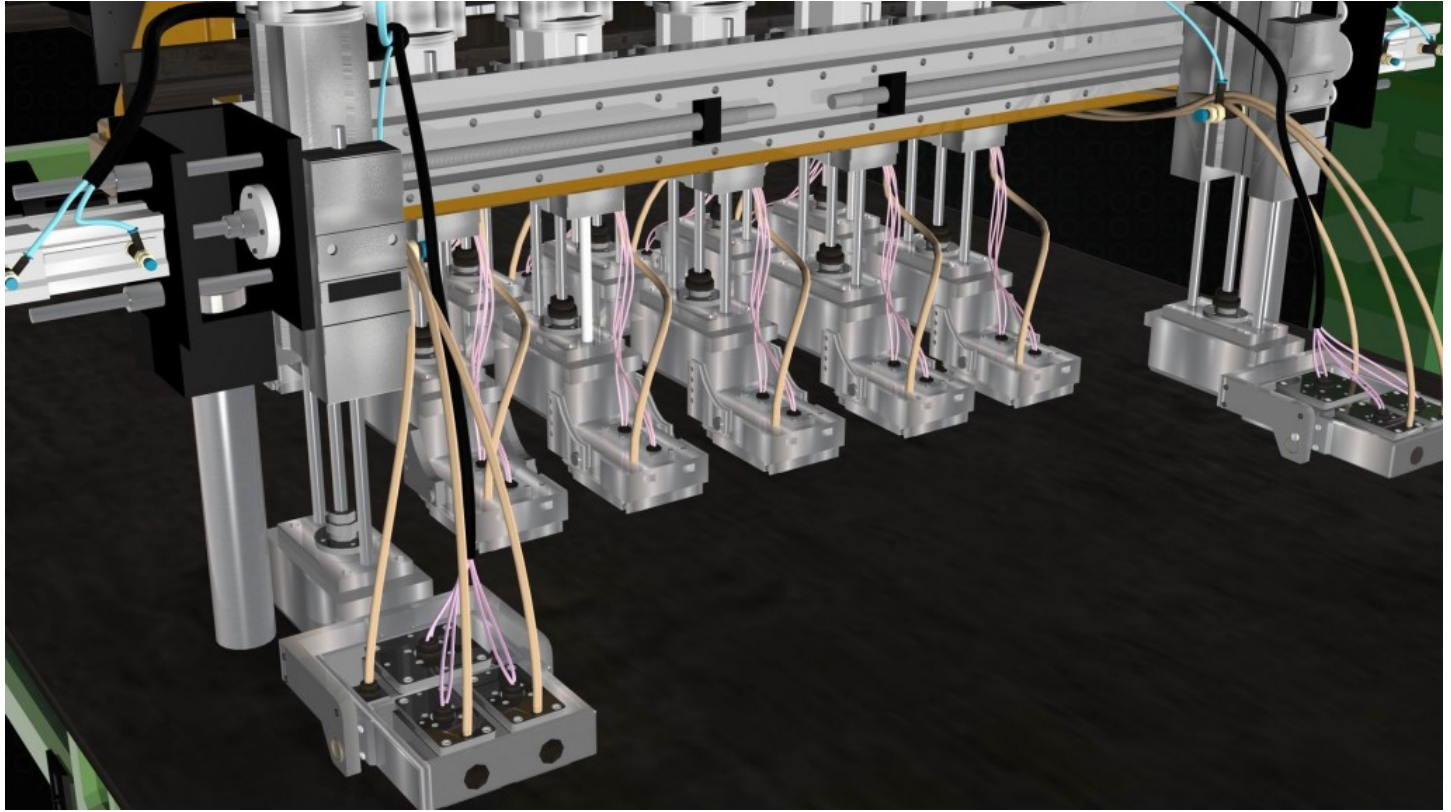


MetaScan Engineering Highlights Ultrasonic Testing Equipment for India's Growing Steel Industry

As India's steel output and consumption rise in 2026, MetaScan Engineering highlights the need for automated NDT systems, repeatable defect detection and production-level quality control across steel and metals manufacturing.



Pune, Maharashtra Aug 17, 2026 ([Issuewire.com](https://www.issuewire.com)) - MetaScan Engineering Highlights Ultrasonic Testing Equipment and [Automated NDT Systems](#) for India's Growing Steel Industry

Rising steel output and consumption in 2026 are increasing the need for repeatable inspection, ultrasonic flaw detection and production-level quality control.

MetaScan Engineering, a Pune-based engineering company focused on automated NDT systems and industrial inspection systems, has highlighted the growing need for **ultrasonic testing equipment** and automated NDT inspection systems in India's expanding steel and metals manufacturing sector.

India's steel industry continues to show strong production momentum in 2026. According to the Press Information Bureau, India's crude steel production reached **14.1 million tonnes in June 2026**, while finished steel consumption reached **14.2 million tonnes** during the month. During April–June 2026, crude steel production stood at **42.1 million tonnes**, while finished steel consumption reached **41.6 million tonnes**, showing **8.3% year-on-year growth**. India's crude steelmaking capacity also reached approximately **222 MTPA** as of June 2026, moving toward the National Steel Policy target of **300 MTPA by 2030**.

For steel manufacturers, this growth is not only a production story. It also creates a practical inspection challenge. Higher production volumes mean more bars, billets, wire rods, pipes, tubes, plates and coils moving through production lines. Quality teams need to detect defects consistently without slowing down production or depending too much on operator judgement.

Steel products do not create one common inspection problem. Long products may need reliable ultrasonic flaw detection across the material length. Pipes and tubes may require weld inspection, heat-affected zone inspection and full-body flaw detection. Flat products such as plates and coils need inspection coverage across wide material surfaces where internal or surface defects can affect downstream manufacturing.

This is where ultrasonic testing equipment, eddy current testing and automated NDT systems become important. Ultrasonic testing can help detect internal discontinuities that may not be visible on the surface, while eddy current testing can support surface and near-surface defect detection in conductive materials. Magnetic particle testing may also be relevant for detecting surface and slightly subsurface discontinuities in ferromagnetic materials.

In real production environments, the inspection method is only one part of the result. Material handling, probe positioning, coupling, calibration, scanning speed, data capture and reporting all affect inspection reliability. If these elements vary across shifts or batches, defect detection confidence can also vary.

“Manufacturers are now looking beyond isolated inspection equipment. They want systems that can support repeatable inspection, reliable reporting and production-level quality control,” said a MetaScan Engineering spokesperson. “For steel and metals manufacturers, automated NDT systems help connect ultrasonic testing equipment, eddy current testing, material handling and inspection data into a practical shopfloor process.”

MetaScan Engineering manufactures, integrates and supplies automated NDT inspection systems and material testing solutions for industrial applications. The company works across factory automation, automated material handling and testing systems, automated ultrasonic testing systems, automated eddy current testing systems and automated magnetic particle inspection systems.

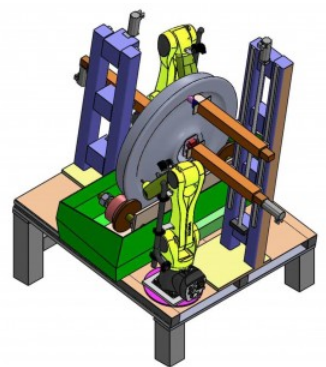
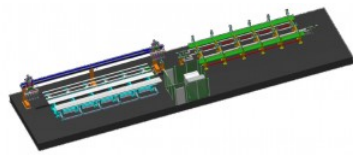
Its solutions are relevant for steel and alloy steel manufacturing, automotive and auto components, forging and foundry operations, non-ferrous metals and aerospace manufacturing. The company’s offering includes UT immersion tank systems, long product inspection systems, pipe and tube inspection systems, flat product inspection systems, special inspection systems and turnkey automated NDT systems.

As India’s steel industry moves toward higher capacity and stronger domestic demand, inspection consistency will become a more important quality requirement. For manufacturers, the right system is not only the one that detects a defect during a trial. It is the one that can keep detecting defects reliably when production volume, material variation and plant pressure increase.

About MetaScan Engineering

MetaScan Engineering is a Pune-based engineering company specialising in technology-based consulting, manufacturing services and system integration solutions for Non-Destructive Testing systems. The company manufactures, integrates and supplies automated NDT inspection systems and material testing solutions for industrial manufacturing applications. Its capabilities include automated ultrasonic testing systems, automated eddy current testing systems, automated magnetic particle

inspection systems, automated material handling and testing systems, and turnkey automated NDT systems.



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