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BKT to showcase cutting-edge mining solutions at IME Kolkata

FILE PHOTO

Viren Rodrigues

Balkrishna Industries Ltd. (BKT), a leading manufacturer of off-highway tires (OHT), is set to make a strong impression at IME 2025 — one of India's premier mining exhibitions — scheduled from October 30 to November 2, at the Biswa Bangla Mela Prangan and Science City Ground in Kolkata.

At stand M-061, BKT will showcase its latest tire solutions, built on the principles of efficiency and reliability - cornerstones of the mining and industrial sectors.

"At BKT, innovation means combining advanced tire technology with responsible practices. Our all-steel radial mining tires, designed for performance and efficiency in extreme conditions are backed by streamlined India-based manufacturing. IME 2025 is an ideal platform for us to demonstrate these capabilities and engage with industry leaders shaping the future of responsible mining," said Viren Rodrigues, Head of Mining & Agri Business, BKT.

BKT's comprehensive product portfolio spans agriculture, industrial, construction, earthmoving, mining, and material handling, reflecting its commitment to serving the evolving needs of India's growth sectors.

IME 2025 is expected to be a convergence of industry expertise and innovation, and BKT looks forward to shaping conversations around sustainable mining practices. Attendees are invited to visit BKT at Stand M-061 to experience the next frontier of tire technology.

READ: https://bit.ly/bkt-ime25

TESTO PRESENTS SMART T&M SOLUTIONS AT REFCOLD INDIA

Wilson Babu, Business Unit Manager – HVACR, Testo India, shares insights into the company's innovation-driven approach and smart measuring solutions

Testo India, part of the global leader in test and measuring instruments, showcased its latest smart and precise solutions for the HVACR and cold chain industries at the recently concluded Refcold India 2025 in New Delhi. From food and pharma to refrigeration and environmental monitoring, Testo is helping businesses work smarter, safer, and more efficiently.

At the exhibition, Wilson Babu, Business Unit Manager – HVACR, Testo India, spoke with mojo4industry to discuss the company's showcase, flagship innovations, and Testo's commitment to digitalization.

Digitalization

"The key highlight is that we are fully committed to digitalization that delivers greater precision and accuracy," Babu emphasized.

Unlike conventional measurement tools, Testo's new generation of smart and connected instruments is designed to meet today's growing demand for accuracy, efficiency, and sustainability. "In the refrigeration market, efficiency is critical. Equipment should not consume more power without delivering output. Digitalization ensures that businesses can monitor systems in real time, take precautionary steps, and avoid damages — ultimately improving performance and energy efficiency," he explained.

Wilson Babu

IoT-ready

Testo's digital technologies are particularly relevant for HVAC, refrigeration, and cold chain applications. With IoT gaining ground across industries, the company is enabling both affordability and accessibility.

"Nowadays there is a booming of IoT technology, where every equipment is to be monitored. Testo offers portable hand instruments to measure parameters like temperature and humidity. These instruments not only document data but also allow centralized monitoring for preventive action. Even customers who cannot immediately adopt IoT-based technologies can still benefit from our portable, economical solutions," Babu said.

Flagship launch

Among the highlights at Refcold India 2025 is Testo's new vacuum pump range, available in 7 CFM and 10 CFM models.

"This vacuum pump is a flagship because it allows automated operation. It is a step forward in enabling smarter, more efficient workflows for HVACR professionals," Babu shared.

Maintenance

Testo is also helping customers move from reactive to predictive maintenance through its advanced imaging and measurement solutions.

"We have introduced thermal imaging technology that helps in preventive and predictive maintenance. With thermal cameras, users can detect leakages, check insulation, and ensure proper cooling in diffusers, grills, cold chambers, and refrigeration coils," Babu explained. "This level of visibility ensures real-time monitoring and data-driven decision making."

Customer support

Beyond supplying products, Testo India places a strong emphasis on training and knowledge sharing. "To educate customers, we conduct training sessions and organize educational seminars. These initiatives go beyond product introduction — they focus on guiding users through processes and ensuring they understand how to maximize efficiency with Testo instruments," Babu said.

Clear message

Summing up, Babu shared a direct message for the HVAC and cold chain fraternity: "When you use instruments, ensure they are used in a precise way so that they can help you work better and more efficiently."

Looking ahead

By integrating smart, connected, and IoT-enabled solutions into HVACR and cold chain industries, Testo India is positioning itself as a key enabler of efficiency, safety, and sustainability. From flagship launches like automated vacuum pumps to predictive maintenance with thermal imaging, the company continues to redefine how measurement technologies serve critical industries.

WATCH: https://bit.ly/testo-m4i

OMRON opens its new Automation Center

(L to R) Masayuki Yamamoto, Motohiro Yamanishi, and Sameer Gandhi

OMRON, a global leader in industrial automation, announced the inauguration of its new Automation Center in Bengaluru, marking a significant milestone in the company's long-term commitment to advance industrial automation-based transformation of India's manufacturing sector.

The Center, part of OMRON's global network of 44 Automation Centers and Proof of Concept (POC) labs, is strategically located to serve manufacturers in South India as well as across the country, including micro, small, and medium enterprises (MSMEs) to empower them to make world-class in India.

Supporting the government's "Make in India" and Industry 4.0 initiatives, the Center demonstrates practical automation solutions for manufacturing challenges, facilitates proof-of-concept development, provides technical training, and enables collaboration with manufacturers, machine builders, and system integrators to strengthen India's manufacturing capabilities

The launch also underscores the deepening India-Japan partnership, as both nations expand collaboration in technology, talent, and supply chain resilience. With Japan committing ¥10 trillion in investments over the next decade across sectors such as semiconductors and digital industries, the Center contributes to a shared ambition of positioning India as a trusted global hub for smart manufacturing and innovation.

India's manufacturing sector is at a transformative juncture. The goal to raise manufacturing's GDP share from 12-15% to 23% over the next two decades is ambitious but within reach, provided there's sustained focus on technology adoption, skills and infrastructure development. Industrial automation plays a pivotal role by enhancing productivity, global competitiveness, and sustainability.

Speaking at the inauguration, Motohiro Yamanishi, Company President, Industrial Automation Company, OMRON Corporation, Japan, said, "We see immense potential in the dynamism of India's manufacturing sector. The Automation Center underscores India's profound importance to our global as well as Asia Pacific vision and is designed to work hand-in-hand with local partners to enhance their global competitiveness and jointly address evolving societal needs through innovative automation. This Center is more than a showcase of technology; it is an engine for co-creation. With smart technologies driving efficiency and innovation, facilities like these are set to be one of the key catalysts in India's journey toward becoming a global manufacturing leader."

Expanding on the broader vision behind the center's establishment, Sameer Gandhi, Managing Director, OMRON Automation, India shared, "At OMRON, we believe technology should serve society's greatest needs. Our Automation Center takes a solutions-based approach to help Indian manufacturers tackle the challenges of building safer workplaces, delivering higher quality products, and improve efficiencies. This is about more than automation, it's about participating towards creating a manufacturing ecosystem that has an active role in protecting public health, reducing waste, and driving economic growth."

READ: https://bit.ly/omron-m4i

Automation and digitalization

...the core of HANNOVER MESSE

Artificial intelligence (AI) is a key technology for the competitiveness of Germany and Europe. Applying AI to manufacturing is fundamentally changing company processes and business models, thereby enabling competitive, efficient, and intelligent production. At the upcoming HANNOVER MESSE, AI will be a recurring theme throughout all the halls, and will play a central role on almost all stands. Tech companies such as AWS, Microsoft, SAP, Schneider Electric and Siemens as well as technologically leading SMEs such as Beckhoff Automation, Emerson/Aventics, Festo, Hiwin, IBG, ifm electronic, Harting, Lapp, Pepperl+Fuchs, Phoenix Contact, Pilz, Rittal, Schaeffler, SEW-EURODRIVE and Wittenstein will be showcasing their innovative developments and practical solutions.

"Automation and digitalization are moving closer together both physically and in terms of content. The trade fair is thus following a clear trend: there is increasing software and hardware convergence in the industry – from AI-driven robots to data-based manufacturing optimization and digitized supply chains," says Hubertus von Monschaw, Global Director Trade Fair and Product Management HANNOVER MESSE at Deutsche Messe AG. "The new hall structure makes apparent what has long been a reality in the factories."

The field of automation encompasses sensor technology, industrial communication, embedded solutions, electric drive technology, and motion control, among other areas. These core areas form the backbone of modern Industry 4.0 solutions. A new addition is the topic of production technologies for the defense industry.

Defense production area

Modern production technologies are also in demand in the security and defense industry. There, reassessing defense capabilities is leading to increased investment and imposing high demands on industrial production, which must be scalable, flexible, and reliable. The Defense Production Area is a new exhibition format at HANNOVER MESSE, aimed at strengthening the European security and defense industry. The focus is on suppliers and providers of production technologies that present innovative solutions for defense, security, and resilience. In cooperation with DSEI Germany, HANNOVER MESSE is for the first time offering an attractive platform that shows how modern technologies can meet the demanding requirements of security-related production.

Robotics applications

The latest trends in robotics can be experienced at HANNOVER MESSE. The focus will be on AI-based perception systems, autonomous mobile manipulators, and humanoid robots. Their advantage over classic industrial robots lies less in their pure performance and more in their adaptability: they are designed to use tools, workstations, and infrastructures developed by people. This enables processes to be automated or modifications made to established procedures and products without having to rebuild the entire production environment. In the classic fields of automation such as automotive or electronics production, specialized industrial robots with greater accuracy, speed, payload, and reliability will continue to occupy the high ground for the time being. Many advances on the software side are also to be expected in the field of robotics. In addition to improved digital twins through data-driven methods, aspects such as simulation and virtual commissioning are becoming more prominent as a means for programming or teaching robots more quickly – without interrupting production.

Industrial software

HANNOVER MESSE will once again demonstrate that modern industrial software is the backbone of efficient and networked production that is geared up to meet the needs of the future. It combines machines, people, and processes into an intelligent overall system – from product development to production and maintenance.

Whether production planning, plant control, data analysis, or digital twins – modern industrial software is a key driver when it comes to optimizing industrial processes. It helps companies to use resources efficiently, react flexibly to changes, and strengthen their own competitiveness. This opens up new potential for efficiency, sustainability, and innovation in combination with key technologies such as artificial intelligence, edge computing and the Industrial Internet of Things (IIoT). Software is increasingly becoming a strategic differentiating factor: only those companies which use their data in real time and control production

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dynamically will be able to position themselves successfully in fast-moving markets. The exhibiting companies will include SAP, PSI, Inform, soffico, cybus, Aegis, and Microsoft.

Digital resilience

Next year, HANNOVER MESSE will focus even more strongly on IT and OT security. In an increasingly digitalized and networked industry, cybersecurity is the basic prerequisite for competitiveness and innovative strength. Leading providers of security solutions will present their latest technologies and strategies for protecting industrial infrastructures. Whether secure cloud solutions, OT security for production environments, zero-trust architectures or AI-supported threat analysis: visitors will gain practical insights into current trends and challenges.

5G & industrial wireless

Connectivity is an essential building block for the digital and sustainable transformation of industry. With the "5G & Industrial Wireless Arena", HANNOVER MESSE is organizing Europe's largest platform for wireless communication in industry. The focus will be on key technologies such as 5G, 6G and NBIoT. The direct proximity to the topics of robotics, IT/OT security, and production technologies for defense, security, and resilience is creating added value and revealing the future of networked communication, from autonomous systems to intelligent networks. The exhibitors will include Siemens HUAWEI, Ericsson, and InterX.

READ: https://bit.ly/HM26-M4I