DATALOGIC AND DATASENSING AT SPS NUREMBERG 2024: REVOLUTIONIZING INDUSTRIAL OPERATIONS WITH SMARTER AUTOMATION SOLUTIONS

Nuremberg, November, 6th –2024 Datalogic and Datasensing are thrilled to unveil their groundbreaking solutions for intelligent manufacturing and automation at SPS 2024 in Nuremberg, Germany – powerfully named as “Detect. Inspect. Protect. Mark & Identify.” These solid foundations reflect the companies’ unwavering dedication to solving the critical challenges facing industries such as automotive, packaging, food and beverage, and intralogistics. Driven by a laser focus on customer needs, Datalogic’s innovations will supercharge productivity, enhance safety, and streamline quality control, all while ensuring ease of use and delivering a high ROI.

In today's high-speed industrial world, optimal traceability, efficiency, and safety aren’t just goals – they’re non-negotiable. Datalogic’s cutting-edge solutions provide industries with the power to excel, slashing production, unlocking real-time visibility, and elevating operational insights to new heights. With Datalogic and Datasensing, companies can confidently stay ahead, transforming essential needs into powerful advantages.

Revolutionizing traceability in manufacturing

In high-stakes sectors like automotive and electronics, flawless traceability is the backbone of efficient production and stringent regulatory compliance. Datalogic, in partnership with Waitkus Engineering, is pushing the boundaries of laser marking with a revolutionary solution. By integrating AREX™ laser technology with the breakthrough WeMark micro-enclosure, this innovation eliminates the need for bulky protective housing, allowing the laser to dock directly onto components with a secure, light-tight seal.

Datalogic’s Matrix™ Series imagers take traceability to the next level, offering precise Direct Part Marking (DPM) capabilities, ensuring compliance, and reducing error rates. With high-resolution data capture at every stage of production, this powerful series enables seamless part tracking throughout each lifecycle stage, making full traceability a reality.

For flexible, hands-on applications, the PowerScan™ DPX delivers unmatched versatility. While the Matrix series dominates fixed applications, the PowerScan DPX lets operators move freely, guaranteeing accurate data capture from anywhere on the floor. This mobility empowers industries to uphold rigorous standards for precision and efficiency, streamlining workflows and minimizing costly errors from start to finish.

Optimizing intralogistics for unmatched efficiency

In high-volume industries like pharmaceuticals, food and beverage, and intralogistics, precise handling of large quantities is essential. Enter Datalogic's Blade™ solution—a streamlined barcode scanning powerhouse that optimizes tote routing and traceability across packaging stages. Blade's advanced scanning capabilities deliver fast, error-free tracking throughout warehousing, sorting, and distribution, saving valuable time and cutting costs, especially for those managing high-value or perishable goods.

For manufacturers focused on accurate detection and measurement, Datasensing's DS4 area sensor is a game-changer. Designed specifically for complex intralogistics applications, this sensor reliably detects and measures goods in challenging end-of-line, palletizing, and packaging scenarios. It's versatile enough to handle transparent and irregular items, minimizing bottlenecks and enabling smooth, uninterrupted workflows.

Ensuring excellent quality control and inspection

In industries such as packaging, food & beverage, and automotive, rigorous quality control is a must. Datasensing's MX-G2000 machine vision systems, powered by PEKAT Vision's deep learning, are redefining inspection processes with unmatched precision in defect detection and classification. The Smart-VS™ vision sensor leverages AI to verify bottle cap positioning and label alignment with outstanding accuracy, effortlessly meeting the rigorous standards of the beverage industry. The S3N sensor shines in general manufacturing, excelling at object detection even on shiny surfaces and irregular shapes. For fluid and material level measurement, Datasensing's robust ultrasonic sensors—including the latest UFK series with stainless steel protection—ensure optimal consistency and efficiency, even in the toughest environments. Together, these innovations reduce waste and rework, allowing companies to consistently deliver top-quality products while improving brand reputation and customer satisfaction.

Next generation safety solutions

In increasingly automated workplaces, safeguarding operators is key. Datasensing's SH4 advanced safety light curtains and SLS PROFISAFE safety laser scanners are engineered to provide top-tier protection for personnel working alongside AGVs and automated machinery. Leveraging the superior LGS-N25 and LGS-A10 lidar technologies, these solutions enable precise navigation and anti-collision capabilities, guaranteeing seamless and secure operations in shared workspaces. By integrating these state-of-the-art safety measures, companies can drive productivity while maintaining a high standard of workplace safety.

Join Datalogic and Datasensing at SPS Nuremberg 2024

Experience these powerful, customer-focused solutions up close with Datalogic and Datasensing at SPS Nuremberg 2024. Visit us in Hall 7A, Booth 110, to discover how our advanced technologies are revolutionizing traceability, intralogistics, quality control, and safety in industrial operations. Our

experts will be on hand to discuss your unique needs and demonstrate how our solutions can elevate your smart manufacturing. Don’t miss this chance to witness the future of industrial innovation in action!