

iRAYPLE Leverages Intel Technology to Drive AMR Innovation

HANGZHOU, ZHEJIANG, CHINA, May 27, 2025 /EINPresswire.com/ -- From April to May 2025, [iRAYPLE](#) participated in two of Asia leading industrial exhibitions—KOREA MAT 2025 in South Korea and METALTECH & AUTOMEX 2025 in Malaysia—where it showcased its latest advances in autonomous robotics and machine vision.

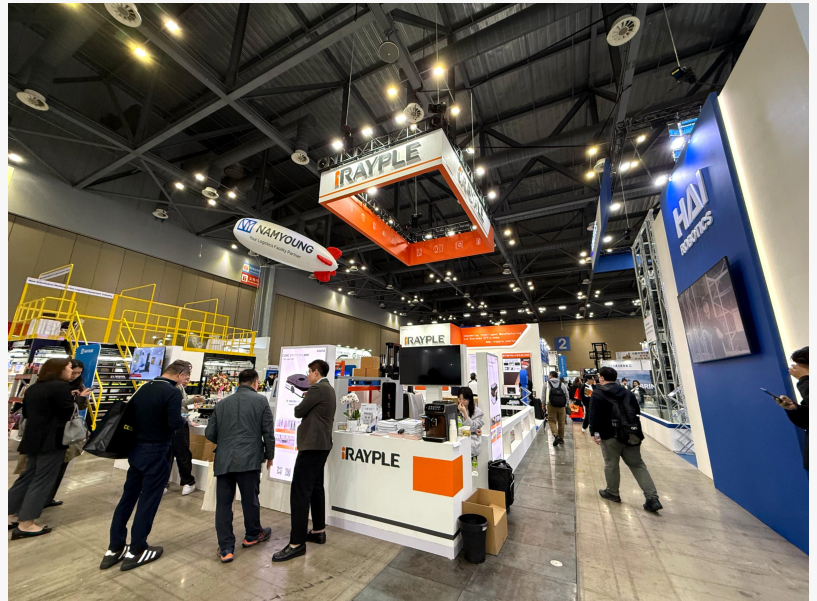
All of iRAYPLE's mobile robots (AMR) are powered by Intel chips, delivering exceptional performance, stability, and responsiveness across diverse industrial scenarios. Leveraging the computing power of Intel, iRAYPLE's mobile robots are equipped to handle high-speed, high-precision logistics tasks in smart manufacturing and automated warehouse operations.

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The □□□□, with a 60kg load capacity and a compact design, is ideal for fast-paced 3C warehousing and tight spaces. The □□□□□, with a heavy-duty 1500kg load capacity, combines robust construction with agile navigation, ensuring seamless performance even in constrained layouts.



iRAYPLE at METALTECH & AUTOMEX 2025



iRAYPLE at KOREA MAT 2025

To meet the needs of heavier and more complex indoor transport scenarios, The □□□□□

counterbalance forklift AMR offers an advanced alternative to traditional forklifts. With a 1500kg capacity, 360° laser fusion safety detection, and natural navigation precision of ±10mm, it delivers reliable performance in aisles as narrow as 3100mm.

Intel Counterbalance Forklift AMR
Advanced Alternative to Traditional Forklifts

iRAYPLE also presented its latest high-performance code readers, optimized for fast, accurate barcode decoding under real-world constraints. The [iRAYPLE iV series](#) delivers compact, entry-level scanning for small field-of-view (FOV) applications where space is limited. The [iRAYPLE iV series](#), equipped with AI-enhanced algorithms, ensures reliable decoding under challenging lighting or barcode conditions.

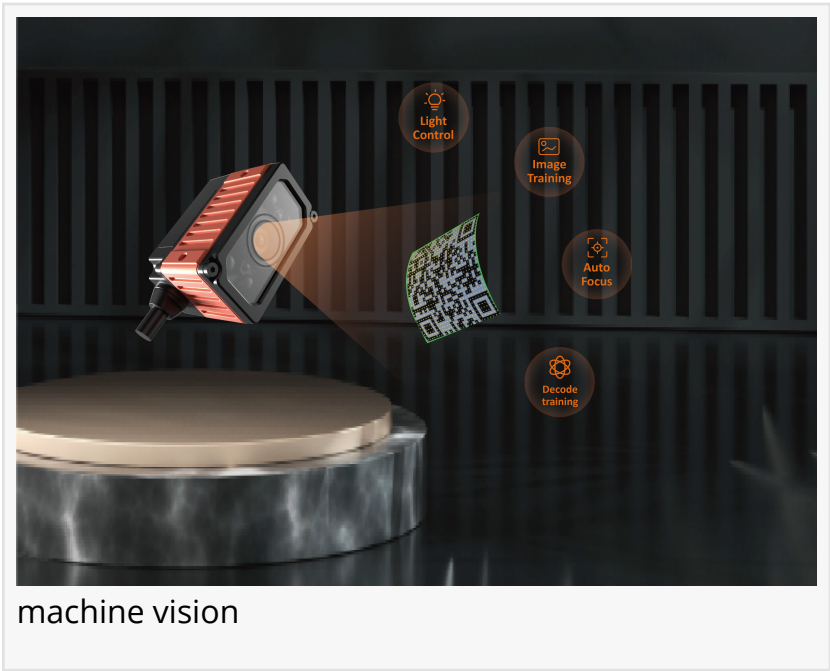
The high-end [iRAYPLE iV series](#) pushes the limits of industrial code reading with high-resolution sensors and AI-powered recognition, enabling precise performance at high speeds and in high-complexity environments. These scanners support flexible installation, high decoding accuracy, and seamless integration—perfect for high-throughput logistics lines.

Intel iRAYPLE iV series
Advanced Alternative to Traditional Forklifts

In Malaysia, iRAYPLE unveiled its advanced machine vision series for high-precision industrial inspection. The [iRAYPLE iV series](#), featuring an integrated AI processor, zoom lens, and adaptive lighting, delivers reliable detection across medium to long distances. The [iRAYPLE iV series](#) supports ultra-high-resolution imaging (5 MP to 604 MP), thermoelectric cooling, and advanced ISP algorithms. It's ideal for demanding sectors such as semiconductor, EV, and photovoltaic production—enabling detailed, reliable inspection in high-speed production environments.

Intel iRAYPLE iV series
Advanced Alternative to Traditional Forklifts

From machine vision to autonomous robotics, iRAYPLE is accelerating the evolution of smart manufacturing. With Intel technology at its core, iRAYPLE's integrated solutions are setting new benchmarks for precision, efficiency, and reliability. As industries embrace intelligent transformation, iRAYPLE stands ready to lead the charge with future-ready technologies that redefine how materials move, how items are inspected, and how data flows through every level of the supply chain.



machine vision

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iRAYPLE, the flagship brand of Zhejiang HuaRay technology Co., Ltd, is a professional company focusing on R&D, manufacturing, and sales of machine vision and autonomous mobile robot (AMR) products and solutions. Concentrating on smart manufacturing, we have always insisted on satisfying customers' needs, creating value to help customers reduce costs, and making factories smarter. Founded in 2016, the business has expanded to cover more than 50 countries and regions.

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