

Transforming Manufacturing for IR4.0

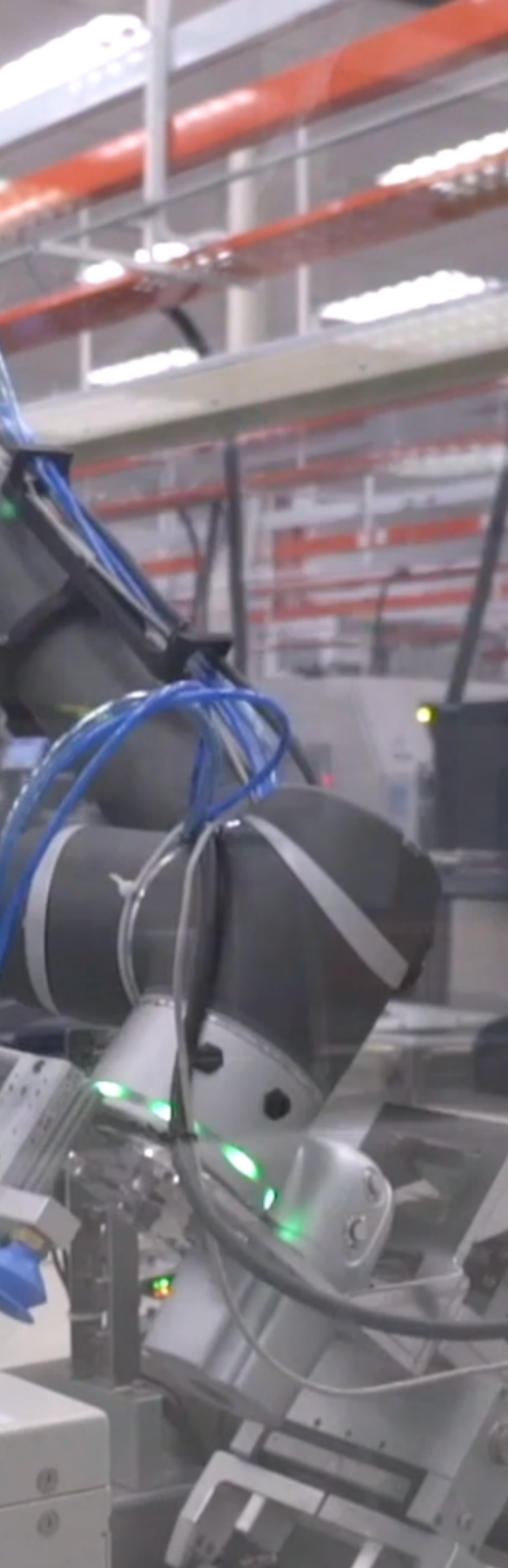


SMART
Modular Technologies Sdn Bhd

Smart Modular Technologies is enabling robots with AI in its manufacturing process to lead in Industry 4.0

SMART Modular Technologies Sdn Bhd (SMART), a leading supplier of specialty memory, and storage solutions manufacturer, today announced that it is collaborating with IBM to transform its manufacturing operations to meet the demands of the ever evolving technology landscape.

SMART, which is headquartered in Newark, California (USA), relies on its Malaysian manufacturing operations in Penang to be not only a key supply chain location for the insatiable Asian electronics market, but also as an example of transformative product manufacturing for the global business.



In working with IBM, SMART is upgrading its Penang operations to be a cutting-edge facility boasting Industry 4.0 manufacturing processes, including both the deployment of new AI-powered capabilities as well as re-skilling its workforce. This will enable SMART's Malaysian operations to use collaborative robots (COBOTS) powered by IBM PowerAI Vision. So when the product reaches end of the line before it is boxed and shipped, the collaborative robots are able to spot defects and remove it from the production line.

IBM PowerAI Vision includes an intuitive toolset that empowers subject matter experts to label, train, and deploy deep learning vision models, without coding or deep learning expertise.

To support SMART's move to Industry 4.0 practices IBM developed and trained artificial intelligence-enabled, collaborative robots. By deploying COBOTS, SMART will be able run test stations on the manufacturing floor to automate and improve testing capabilities.

In parallel with factory automation, IBM has also consulted with SMART to conceive and launch a new skills program to upskill and reskill its workforce with new capabilities and expertise aligned to key Industry 4.0 needs such as AI, manufacturing services integration, and data analytics.