

## Critical Manufacturing Awarded for Factory Automation Production Software

**PORTO, Portugal – November 2021** – Critical Manufacturing, an ASM PT company, is pleased to announce that it was awarded a 2021 GLOBAL Technology Award in the category of Software – Production for its Factory Automation module. The award was announced during a ceremony that took place Tuesday, Nov. 16, 2021 during productronica in Munich, Germany.

High-tech manufacturers are placing high importance on resiliency and responsiveness to guard against potential disruption and reduce dependency on human labor. Many are pursuing high automation as a competitive advantage, with the ultimate goal of achieving 'lights out' integrated smart factories.



The Factory Automation module of Critical Manufacturing MES is a factory level workflow engine to coordinate different systems and applications to achieve high automation. This forward-looking technology provides a pathway to an increasingly smart production environment and ensures development of a higher-level automation can develop at a pace that suits a business' wider strategy for growth.

Francisco Almada Lobo, CEO of Critical Manufacturing accepted the award and said: "We are extremely pleased to receive this prestigious award. Our Factory Automation module was designed to allow manufacturers to push their automation capabilities beyond single lines or equipment to the factory level. Here at productronica we are demonstrating a fully automated SMT line, complete with material replenishment from AIVs, which is powered by Critical Manufacturing's MES. Helping high-tech discrete manufacturers progress towards high automation is one of the key elements in our Industry 4.0 MES strategy to enable the smart factories of the future."

With Factory Automation, customers can reduce labor costs, improve equipment utilization and increase operational efficiency. The system will enable continuous workflow improvements and steady progression to high automation. Ultimately, its success will lead to less and less need for human interaction, reduced labor costs, and smoother running, more profitable operations.

Factory Automation allows specific workflows to be triggered to correctly handle events such as calculating and coordinating the next equipment step or destination of in-process or completed lots and guiding the appropriate automated transport system, such as an Autonomous Intelligent Vehicle (AIV).

The GLOBAL Technology Awards have recognized the very best new innovations in the printed circuit assembly and packaging industries since 2005. The prestigious awards contest has been bringing together the global SMT and advanced packaging industry in a celebration of the companies and people that are achieving the highest standards and driving our industry forward. For more information, visit [www.globalsmt.net/awards](http://www.globalsmt.net/awards).

### **About Critical Manufacturing**

Critical Manufacturing, a subsidiary of ASM Pacific Technology, provides the most modern, flexible and configurable manufacturing execution system (MES) available. Critical Manufacturing MES helps manufacturers stay ahead of stringent product traceability and compliance requirements; reduce risk with inherent closed-loop quality; integrate seamlessly with enterprise systems and factory automation, and provide deep intelligence and visibility of global production operations.

As a result, our customers are Industry 4.0 ready. They can compete effectively and profitably by easily adapting their operations to changes in demand, opportunity, or requirements, anywhere, at any time. For more information, visit [www.criticalmanufacturing.com](http://www.criticalmanufacturing.com)

### **About ASM Pacific Technology**

As a global technology and market leader, ASMPT (HKEX stock code: 0522), develops and provides leading edge solutions and materials for the semiconductor assembly and packaging industries. Its surface mount technology solutions are deployed in a wide range of end-user markets including electronics, mobile communications, automotive, industrial, LED and alternative energy. Continuous investments in research and development help to provide our customers with innovative and cost-efficient solutions and systems that enable them to achieve higher productivity, greater reliability and enhanced quality.

Listed on the Hong Kong Stock Exchange since 1989, ASMPT is currently one of the constituent stocks on the Hang Seng Composite MidCap Index under the Hang Seng Composite Size Indexes, the Hang Seng Composite Information Technology Industry Index under Hang Seng Composite Industry Indexes, the Hang Seng Hong Kong 35 Index and the Hang Seng Global Composite Index. To learn more about ASMPT, please visit [www.asmpacific.com](http://www.asmpacific.com)