

## Robotic Vision & Sensing Provides Enhanced Robotic Capabilities

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2 years of in-house Research & Development by Argon Technology engineers has resulted in the long awaited release of the Argon Robotic Vision & Sensing Systems for industrial robotic welding systems.

Designed for non-contact work piece sensing the Robotic Vision & Sensing Systems provide an enhanced sensing capability to increase quality and reduce rework of fabricated items and enhance the performance of your robotic system, whilst still being a cost effective solution. Argon's non-contact vision & sensing systems are specially designed for the industrial robotic market with tough, modular, IP67 rated construction. Built with the latest tried and tested technologies the system offers unparalleled sensing ability with industry leading reliability and repeatability. Built with advanced CMOS technology Argon's systems offer an expanded working range and improved results on reflective and dark materials. The systems come in a range of precision control interfaces. The Robotic Vision & Sensing System can be installed solo into a robotic system, or combined with Argon's Offline Programming to form the Offline Productivity Package to create the ultimate solution for fabrication shops. The Offline Productivity Package provides upgraded programming capability with the enhanced vision and sensing system to provide robotic systems with everything they need for optimal performance on the shop floor. Minimal downtime and maximum arc on time of the robot is achieved through the offline programming component of the package, along with improved quality and less rework of fabricated items required from the vision system. One off fabrication becomes a realistic option for robotic systems through this package, and is the direct result, and the main endeavour of the extensive R&D conducted by Argon Technology into this area of the past 2 years. Underlying Argon's reputation as an Australian premier provider of robotics & automation solutions this system has been designed with the unique one off production market in mind. Australia has a large jobbing shop, and one off fabrication industry, as opposed to large manufacturing lines. These systems are making robotics a viable option for many Australian companies.