

## **Epson launches new N2 robots with world's first compact folding arm technology**



**Epson's N2 robots**

**6 April 2017, Singapore** – Epson, a leading industrial robot manufacturer, will be launching its new N2 series of compact 6-axis robots at Manufacturing Technology Asia 2017. The N2 robots feature a patented compact folding arm technology, a world's first innovation in 6-axis robot design that brings extreme maneuverability, improving efficiency of motion for complex and high precision assembly tasks. The robots will be showcased for the first time, at the Epson booth from 4 to 7 April 2017.

The Epson N2 robots have the unique ability to fold through itself, versus moving around. This reduces the number of intermediate points and shortens cycle times. Designed for confined workspaces and smaller payloads, the N2 robot reduces required workspace area by up to 40% compared to standard 6-Axis robots. The robots are able to operate in areas as small as 600mm x 600mm, enabling more efficient assembly line layout and improved productivity.

The N2 series of robots comes with Epson's proprietary Residual Vibration Technology, a motion control feedback system using Epson's Quartz Micro Electro Mechanical Systems that reduces vibration, enabling high performance for outstanding speed, precision, acceleration and deceleration rates.

The industrial robots are equipped with Epson Vision Guide software – advanced machine vision and image processing systems that provide an interface for developing robot vision applications.

With a maximum reach of 450mm and with a 2.5kg payload, the industrial robots can be used across the manufacturing industry, for a wide variety of applications including precise assembly of electronic components, medical and consumer products.



“With the N2 robots, companies can easily automate their assembly line with minimal design change to the current line layout, while dramatically enhancing productivity. Indeed, these new line of robots with its revolutionary technology, has brought a new breakthrough to the market and challenges current assembly line standards,” said Mr Ng Ngee Khiang, Regional General Manager (Southeast Asia), Industrial Robotics, Epson Singapore.

“There is positive demand for robotics in SE Asia, reflected in Epson’s business in the region having grown at an average of 30% over the past 3 years. As a market leader for SCARA robots, we will continue to develop innovative new robots with extreme maneuverability that will bring new levels of productivity and efficiency for our customers,” he said.

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### **About Epson**

Epson is a global technology leader dedicated to connecting people, things and information with its original efficient, compact and precision technologies. With a lineup that ranges from inkjet printers and digital printing systems to 3LCD projectors, smart glasses, sensing systems and industrial robots, the company is focused on driving innovations and exceeding customer expectations in inkjet, visual communications, wearables and robotics.

Led by the Japan-based Seiko Epson Corporation, the Epson Group comprises more than 73,000 employees in 91 companies around the world, and is proud of its contributions to the communities in which it operates and its ongoing efforts to reduce environmental impacts.

<http://global.epson.com/>

### **About Epson Southeast Asia**

Since 1982, Epson has developed a strong presence across major markets in Southeast Asia. Led by the regional headquarters Epson Singapore, Epson’s business in Southeast Asia spans an extensive network of 11 countries with a comprehensive infrastructure of close to 500 service outlets, 7 Epson solution centres and 7 manufacturing facilities.

<http://www.epson.com.sg>

### **Media Enquiries:**

Cherie Ho Asst PR Manager Regional Brand & Communications Epson Singapore DID: 6586 5567 Mobile: 94799424 Email: <a href="mailto:cho@esp.epson.com.sg">cho@esp.epson.com.sg</a>
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