*For immediate release*

**Digitalization and Flexibility –**

**Delta Features High Flexibility Multi-tasking Smart Production Line for a New Era of Smart, Green Manufacturing at Taipei Int’l Industrial Automation Exhibition 2017**

*TAIPEI, Taiwan, September* ***4th****, 2017* – Delta, a world-class provider of industrial automation solutions, has announced its theme of “Digitalization and Flexibility for Smart, Green Manufacturing” for the Taipei Int’l Industrial Automation Exhibition 2017. Delta will feature its brand new **High Flexibility Multi-tasking Smart Production Line** with a customer-centric, IIoT-based, fully-automated demo which integrates Delta’s **manufacturing execution system (MES)**, **equipment management system**, **IIoT** technology, **industrial robots**, and automation control solutions. At the exhibition, the demo will perform on-site smart manufacturing by taking customer orders, flexibly producing customized products, and presenting production process and equipment operation data in real-time.

The **High Flexibility Multi-tasking Smart Production Line** perfectly integrates Delta’s robust hardware and user-friendly software for building a smart, multi-tasking and digitalized production line for flexible and interchangeable customized production. It adopts Delta’s **MES system** for customer ordering, SMS notification and flexible production rescheduling; the **Production Management & Visualization Platform (DIAMMP)** for overall production and machine data monitoring; the three **robot workstations** with peripheral control system, machine vision system, and sensors for production execution (including pick-and-place, laser carving and packaging); and the new **Handheld Barcode Scanner DAH Series** to scan customers’ QR codes sent by the MES system for the industrial robot to fetch the designated product and place it in the pick-up area.

The key software and automation products highlighted in the **High Flexibility Multi-tasking Smart Production Line** feature:

* The **MES system**, linked to a cloud platform, is a perfect interface for customers to place orders (select gift and give customized content) through a laptop PC, pad or other mobile device. The MES also performs order adjustment and production rescheduling for urgent orders, and provides immediate confirmation and notification upon production completion via SMS—including a weblink for customers to monitor production scheduling and progress in real-time and QR code for finished product pick-up.
* The **Production Management & Visualization Platform (DIAMMP)** is ideal for overall management and visualization of production line information and equipment operation data. The **DIAMMP** enhances productivity and management efficiency with major functions for production visualization, such as first pass yield (FPY), equipment use and operational efficiency, preventive maintenance, and timely warning. When applied to the **High Flexibility Multi-tasking Smart Production Line**, the **DIAMMP** is connected to the MES and cloud, and presents order scheduling, production progress and easy-to-read equipment operation data.
* The new **Handheld Barcode Scanner DAH Series** features highly sensitive and fast capture capability barcode reading algorithms, and can easily and stably capture 1-D and 2-D barcodes within a range of 5-20cm.The **DAH Series** is lightweight (300g) and adopts an ergonomic design to provide a comfortable gripping experience for personnel engaging in long-term operation. When applied to the **High Flexibility Multi-tasking Smart Production Line**, the **DAH Series** can correctly and rapidly scan the QR code sent by the MES, and help identify the customers’ order information. The **DAH Series** will be available for the global market by the end of 2017.
* **The three Robot workstation** integrates one Delta SCARA Robot and two Articulated Robots, along with peripheral automation control and drive systems, machine vision system, sensors, and a handheld barcode scanner, to build the **High Flexibility Multi-tasking Smart Production Line** and execute customized production processes:

1. **Ordering, feeding, and laser carving:** the first workstation adopts the **Delta Articulated Robot DRV90L Series** to complete multi-tasking operations. The **DRV90L** first picks up different work pieces from the feeding area, and laser carves custom content according to orders from the **MES**. When completed, the DRV90L will pick up the finished goods and place them in gift boxes on the conveyor.
2. **Packaging:** the **Delta SCARA Robot DRS60L Series** on the second workstation will conduct conveyor tracking with Delta’s machine vision system to place the gift boxes and put on covers during conveyance.
3. **Finished good storage and pick-and-place:** the **DRV90L Series** articulated robot on the third workstation picks up the gift boxes and places them in the storage area. At this point, the MES sends out completion notification with QR code via SMS to inform customers. On a customer’s arrival, Delta’s service team will scan the QR code with the **Handheld Barcode Scanner DAH Series**, and the DRV90L will pick up the customer’s gifts from storage area and place them on the pick-up tray.

Join Delta to experience our smart, green manufacturing for industrial upgrades at **Taipei Int’l Industrial Automation Exhibition 2017**, **TWTC Nangang Exhibition Hall 4F**, **stand M832** between August 6th and 9th, 2017, in Taipei, Taiwan.

**Delta will feature more newly-launched advanced smart manufacturing solutions at Taipei Int’l Industrial Automation Exhibition 2017, including:**

* **Smart Manufacturing Solutions**: Provide comprehensive monitoring and visualization of manufacturing, factory and production equipment, and energy consumption of factory equipment & production machines, including:

1. **MES Smart Manufacturing Solution**: Monitors production information such as customer orders, production scheduling and production progress.
2. **Equipment Management & Visualization Solution**: Integrates Delta’s industrial controllers, human machine interfaces and managed industrial switches to connect production equipment and collect operational data. With data and information uploaded to the **DIAView SCADA System** for analysis and visualization, managers and operators can master equipment information and production progress in real-time to ensure high product quality and productivity.
3. **Factory Energy Saving & Monitoring Solution**: Integrates Delta’s industrial controllers, managed industrial switches and power meters to collect real-time operational data and power consumption. The operational data is uploaded to the **DIAView SCADA System** for remote monitoring and management; and the power consumption details are transmitted to the **DIAEnergie Industrial Energy Management System** for energy use analysis and management.

* **Smart Machine Solutions:** Comprehensively integrate production equipment (automation systems, machine vision system & sensors, and energy-saving solutions), control devices (industrial controllers and data exchange switches), and management platform (MES, equipment monitoring and visualization, quality diagnosis, energy monitoring and analysis, and IIoT cloud-based platform) to build smart machine solutions. Customers are able to place orders on-line, and the MES will acquire information from the cloud and give commands to factory production machines and execute production processes. All operational data and information is tracked, recorded and analysed for visualization. It’s a perfect solution for smart machines in this new era of highly efficient, energy-saving smart manufacturing.
* The **Delta ASDA-A3 Series AC Servo Drive** is designed for applications that require high-speed response, exceptional accuracy and remarkably smooth motion. Its built-in motion functions are perfect for flying cut, rotary table, E-Cam and other applications. The ASDA-A3 Series, with 3.1 kHz frequency response and 24-bit resolution absolute type encoder, can increase its response capability. The notch filters for resonance and vibration suppression function facilitate the smooth operation of the machine, which will be demonstrated at Delta’s booth to showcase the function’s benefits. The user-friendly software with graphic interface and auto tuning function minimizes commissioning time and simplifies the implementation process. The compact design of the ASDA-A3 Series servo drive and its motors greatly reduces mounting space for easier arrangement in a control cabinet. The ASDA-A3 Series offers an exceptional user experience and optimizes the motion system for your equipment.

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**About Delta**

Delta, founded in 1971, is a global leader in power and thermal management solutions and a major player in several product segments such as industrial automation, displays, and networking. Its mission statement, “To provide innovative, clean and energy-efficient solutions for a better tomorrow,” focuses on addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and innovative research and development, Delta's business domains include Power Electronics, Automation, and Infrastructure. Delta has 153 sales offices, 61 R&D centers and 40 manufacturing facilities worldwide.

Throughout its history, Delta has received many global awards and recognition for its business achievements, innovative technologies and dedication to corporate social responsibility. Since 2011, Delta has been selected as a member of the Dow Jones Sustainability™ World Index (DJSI World) for 6 consecutive years. In 2016, Delta was selected out of 5,800 large companies by CDP (formerly the Carbon Disclosure Project) for its Climate Change Leadership Level.

For detailed information about Delta, please visit: www.delta-emea.com

**About Delta Industrial Automation**

As a world-class industrial automation brand, we are dedicated to the development of AC motor drives, servo and motion control systems, programmable logic controllers, human machine interfaces, machine vision systems, meters and sensors, industrial control and monitoring software, and industrial robots.

Our industrial automation solutions extend to a broad range of industry applications, including electronics, textiles, food, pharmacy, rubber and plastics, packaging, printing, woodworking, and machine tools. We integrate our automation products, equipment networking, system software, IoT technology, and big data analysis to build innovative and reliable smart, green factory automation solutions for global customers, and to realize our promise of “Automation for a Changing World”.

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