*For immediate release*

**Delta Features Smart CNC Machine Solutions for Changing Industries**

**at the 2018 Taiwan International Machine Tool Show**

*TAIPEI, Taiwan, November 6th, 2018* – In response to the global trend for smart machine tools, Delta, a world-class provider of industrial automation solutions, has announced its cooperation with Fair Friend, EQUIPTOP, and ECOCA to present a series of high-end automation and smart solutions for CNC machines and factories at the 2018 Taiwan International Machine Tool Show (TMTS). Delta is showcasing a brand-new **“2 machine tools + 1 robot workstation”** demo to simulate automated machine tool processing and robot pick-and-place. The two machine tools implement Delta’s CNC solutions, and the robot workstation adopts Delta’s articulated robots along with the latest **Delta Robotic Simulation Platform DRASimuCAD** for workstation design and construction. With the built-in CAD and robot simulation functions, the **DRASimuCAD** allows users to easily build moulds and generate work paths for automated robotic work. For smart machines and IIoT, Delta’s **equipment IoT solution** connects machines, a Manufacturing Execution System (MES) system, and management visualization to achieve a completely digitalized smart production chain.

Andy Liu, general manager of the industrial automation business group (IABG), Delta Electronics, Inc., indicated that Delta has developed various smart industrial automation solutions based on its abundant experience in smart factories. Among them, Delta’s CNC solutions integrate self-developed key components, including CNC controllers, servo drives and spindle motors, and have successfully penetrated into Taiwan and China, as well as other markets in APAC, Europe, and America. Recently, Delta’s CNC solutions have been applied in processing the convex glass of vehicle rear-view mirrors and mobile phone cases, as well as in other industries to achieve highly precise control, efficient production, and smart management for customers, while saving significantly on labor requirements. At this event, Delta is displaying its integration capabilities for customized smart manufacturing solutions, while strengthening the competitiveness of the **local machine tool industries to meet the global trends of digitalization and smart manufacturing.**

**The highlight of Delta’s booth at this year’s TMTS is the “2 machine tools + 1 robot workstation”** demo. It is integrated with a **CNC Lathe,** **a Vertical Machining Center and a robot workstation to simulate machine milling and automatic workpiece pick-and-place:**

* The CNC Lathe and the Vertical Machining Center both adopt Delta’s CNC solutions and feature high speed, high precision, and excellent performance. The robot workstation uses Delta’s new 6-axis **Articulated Robot DRVA4** with an extended working range of 1,400mm to perform flexible one-to-two workpiece pick-and-place tasks.
* The latest **Delta Robotic Simulation Platform DRASimuCAD** was applied in the design and construction of the robot workstation. This new software features built-in CAD/CAM functions and robot simulation as an integrated platform. Users can easily design robotic workstations without switching software, saving on the time and cost of planning and tuning. The **DRASimuCAD** has been applied in glue dispensing to save software costs and to save time on setting up production lines.
* The **Equipment IoT Platform DIALink** is implemented in the demo to collect and upload machine operation data to Delta’s **DIAVIew SCADA (Supervisory Control And Data Acquisition) System** for real-time machining status, uptime, and robot operation data monitoring. With a connection to a cloud platform, this solution achieves equipment IoT and remote monitoring for users.

Delta is featuring multiple complete and flexible CNC solutions with a series of advanced CNC controllers that deliver high speed, stable and reliable machining performance when integrated with Delta’s servo drives, spindle motors, and self-developed motion control network DMCNET:

* **CNC Controllers NC300 Series** features a built-in 32bit high-speed dual CPU to enhance multitasking machining performance. With the CNC Soft software, users can develop and manage a customized interface for all types of CNC machine tools.
* **Lathe Controllers NC200 Series** adopts a stable and efficient embedded hardware system design. Users can preview tool paths in advance and ensure cutting stability with the Manual Pulse Generator (MPG) simulation. It is suitable for precise and high-speed machining processes.
* **OPEN CNC Controller NC30E Series** offers an open-structured CNC system. Based on different application needs, users can flexibly choose Delta’s standard interface, or connect with customized human machine interfaces via Delta’s software platform.

In addition, Delta’s equipment IoT solution is the highlight for smart machine management:

* **Delta Equipment IoT Platform DIALInk** collects the onsite equipment operation status and production data from CNC machine tools and PLC-controlled equipment. Matched with Ethernet switches, DIALink provides a unified interface connecting upper management systems, such as Delta’s **DIAMES Manufacturing Execution System** and **DIAMMP Manufacturing Management Platform** for a complete IoT structure. **DIALink** provides users with standard equipment connection and communication, as well as transparent digitalized information, to achieve efficient smart machine management.

We welcome you to join Delta to experience our smart equipment and manufacturing solutions for CNC machine tools, equipment IoT, as well as digitalized and visualized monitoring and energy management at the **2018 Taiwan Int’l Machine Tool Show**, **Taichung International Exhibition Center, stand 2B428**, November 7th ~ 11th, 2018 in Taichung, Taiwan.

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**About Delta**

Delta, founded in 1971, is a global provider of 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 169 sales offices, 70 R&D centers and 38 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 listed on the DJSI World Index of Dow Jones Sustainability™ Indices for 8 consecutive years. In 2017, Delta was selected by CDP (formerly the Carbon Disclosure Project) for its Climate Change Leadership Level for the 2nd consecutive year.

For detailed information about Delta, please visit: [www.deltaww.com](http://www.deltaww.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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| **Media Contact:**

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| --- | --- |
| Delta Spokesperson & Assistant Vice PresidentJesse ChouTel: 886-2-8797-2088 Ext: 5562E-mail: jesse.chou@deltaww.comCorporate CommunicationsThomas Chang, Senior ManagerTel: 886-2-8797-2088 Ext: 5511 Mobile: +886-955-217-311E-mail: thomas.chang@deltaww.com |  |

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| Jasmin HuMarCom Assistant ManagerTel: 03-3626301 ext: 7160 Mobile: 0920-236-703 E-mail: jasmin.hu@deltaww.com |  | Claire OuSr. SpecialistTel: 03-3626301 ext: 7165 Mobile: 0939-001-931 e-mail: claire.ou@deltaww.com  |
|  |  |  |

 | Claire OuSr. SpecialistTel: 03-3626301 ext: 7165 Mobile: 0939-001-931 E-mail: claire.ou@deltaww.com  |

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