



The Best Partner for Your Success

# MITSUBISHI CNC NEWS Vol.5

## Exhibition Report

### The 27th Taipei Int'l Machine Tool Show (TIMTOS) - March 4 to 9, 2019

Mitsubishi Electric exhibited computerized numerical controllers (CNCs) at TIMTOS 2019, the largest machine tool exhibition in Taiwan. As many as 1,230 exhibitors and 53,777 people from all around the world attended the exhibition. A large number of exhibits featured robots and machine tools, demonstrating the increasing demand for automation.

President Tsai Ing-wen made an appearance on the first day of the exhibition. She visited our booth where we had the honor of showing her an example of an automated system which included a Mitsubishi Electric MELFA robot and a machine tool.

Under the theme "Your Solution Partner for a Smarter Difference", we also exhibited M800, M80, E80, and C80 series CNCs, and apps for NCs that were developed in conjunction with local manufacturers and universities.

Furthermore, our IoT solution which includes our operation monitoring system "NC Visualizer" garnered the attention of many.

Within the exhibition, there were many machine manufacturers and dealers that used Mitsubishi Electric CNCs in their exhibits. We strive to bring our customers the latest technology in an ever-evolving machine tool industry.



Mitsubishi Electric booth



Industry-university developed NC apps

### Automated robot-machine tool solution



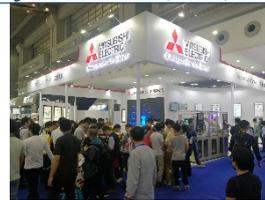
Machining center



Lathe

### The 20th Shenzhen International Machinery Manufacturing Industry Exhibition (SIMM) - March 28 to 31, 2019

We exhibited our CNCs at SIMM 2019, held in Shenzhen, China. SIMM is one of the largest exhibitions in Southern China in the machine equipment manufacturing sector. We exhibited M800, M80, and E80 series CNCs and an automated demonstration model with a direct robot control function. These products attracted a lot of attention.



Mitsubishi Electric booth



Demonstration of automation

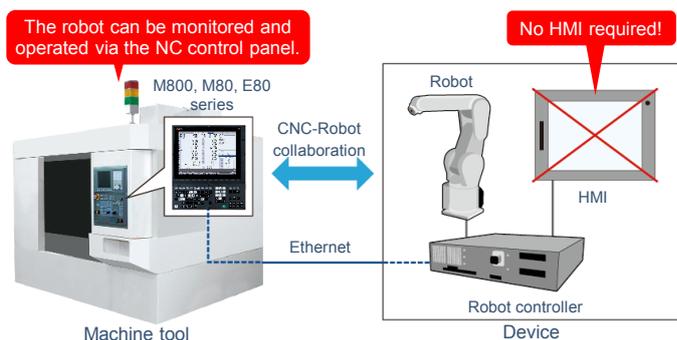
## New Products & Technology

### Direct robot control (M800, M80, E80 series CNCs)

Our CNCs now have a function that allows for direct control of robots. This is a new function that meets the needs of automated production lines.

#### [Features]

- Robots and CNCs can be easily connected via Ethernet.
- Costs can be reduced as the robot can be monitored and operated via the NC control panel, eliminating the need for a dedicated robot HMI.
- G code programs can be created interactively, making robots accessible to even those who don't have robot programming knowledge.



## Event Information

We will be exhibiting Mitsubishi Electric CNCs across the globe.

### Metalloobrabotka 2019, Russia

Date May 27 (Mon) – 31 (Fri), 2019  
Location Moscow Russia

### INTEC 2019, India

Date June 6 (Thu) – 10 (Mon), 2019  
Location Coimbatore, India

## MITSUBISHI ELECTRIC CORPORATION