

## HIWIN FEATURES NEW HIMC CONTROLLER AT SPIE PHOTONICS WEST

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Mechanical motion control component and industrial robot maker HIWIN USA is exhibiting its new HIMC multi-axis motion controller at the SPIE Optics and Photonics 2019 tradeshow in San Francisco February 5-7.

“With acquisition of Megafabs motion controller technology in 2009, HIWIN has been developing controllers and drives for about 10 years and the HIMC controller is the culmination a decade of effort to build an affordable, but highly capable 3D motion controller”.

The HIWIN, HIMC controller is a real-time multi-axis motion controller designed to satisfy complex industrial automation requirements with comprehensive programming and communication capabilities. The real-time digital control architecture make automated machinery ultra-responsive with the speed and accuracy necessary for even the most demanding applications.



HIWIN HIMC  
CONTROLLER

### HIMC – DYNAMIC DRIVE CONTROL

- Synchronized single and multi-axis trajectories, including point-to-point and jogging
- 2D/3D linear and circular interpolation
- Trapezoidal motion profile with smooth factor from 0 to 500 milli-second
- Dynamic geometric compensation algorithms for enhanced positional accuracy

### COMPLETE PROGRAMING CAPABILITIES

- HIMC **ia Studio** software tools include Motion Manager, HMPL Editor and built-in simulator, providing an intuitive experience for configuring and deploying automation systems.
- Multi-task HMPL programming supports 64 simultaneous user tasks
- Supports up to 512,000 double precision user defined variables
- API software library support for C/C++/C# host programming

### COMPREHENSIVE COMMUNICATION CAPABILITIES

- Controls up to 16 fully synchronized drives
- Controller cycle time - 250  $\mu$ s
- 10/100/1000 Mbps TCP/IP host communication
- Supports all mega-ulink over EtherCAT (MoE) compatible drives and I/O modules