

MOOG MACHINE CONTROLLER

MC SERIES 600

A modular programmable design that offers higher precision, maximum flexibility and faster cycle times



In the new Moog Machine Controller (MC Series 600), Moog experts have incorporated over 30 years experience in leading-edge technology into a flexible and modular solution for high performance industrial machinery. The hardware is complemented by the Moog Application Software Suite, a powerful yet easy-to-use tool for developing application programs based on CoDeSys, the proven IEC 61131-3 compliant programming system.

The MC Series 600 product family includes CPU, I/O and communications modules, as well as local and PC-based HMI units. The multitasking Linux-based real-time operating system guarantees fast reaction and reduced cycle times, providing efficiency and productivity enhancements. Analog 16 bit I/O resolution offers greater precision positioning and higher accuracy.

Designed specifically to combine flexibility with ease of use, MC Series 600 controllers are simple to configure and modular in design. While the MC Series 600 is suitable for a wide variety of industrial applications, software templates for blow and injection molding and the incorporation of integral functions such as temperature and parison profile control, make it an ideal choice for plastics molding applications.

ADVANTAGES

- Higher machine flexibility thanks to modular hardware design, easy-to-use application templates for moulding control
- Greater precision, faster reaction time and better accuracy due to leading-edge system design
- Free choice of centralized or decentralized architectures without any application software modifications
- CoDeSys integrated environment with special function blocks
- Robust construction suitability for use in demanding environments
- Availability of Moog application experts ensures solutions that meet machines' requirements

APPLICATIONS

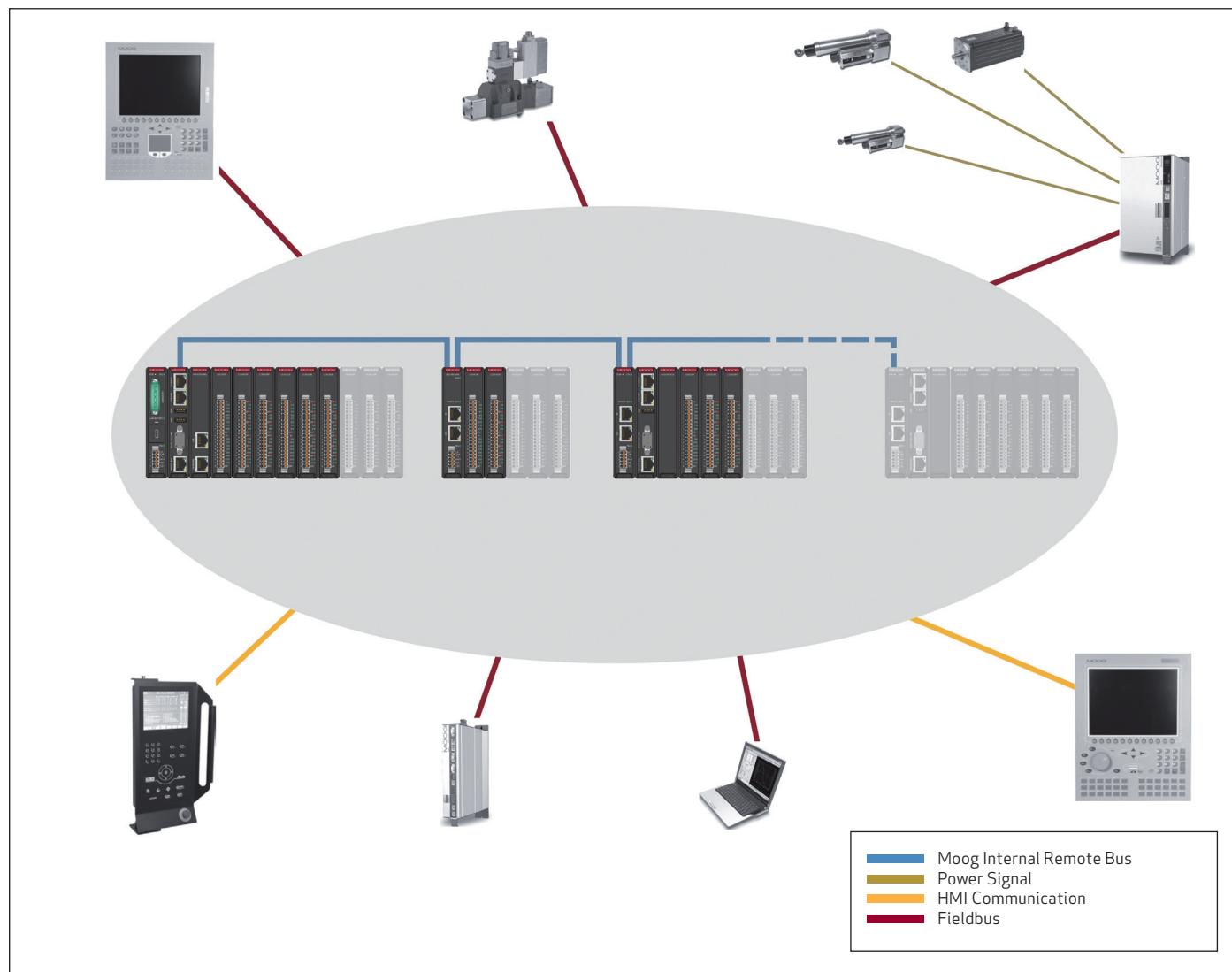
- General industrial machine control, especially where requirements include fast cycle time, high precision and maximum flexibility
- Plastics machines
- Special machines
- Packaging machines
- Metal forming machines



FEATURES

KEY FEATURES

- Distributed architecture with high performance due to high speed serialized buses and the ability to expand easily by adding CPUs with I/O resources as needed
- Analog functions with high resolution allow accurate control and positioning
- Modular design with capacity for up to 2,000 I/O means that the controllers can be optimally configured to suit applications of all sizes
- Real time Linux-based operating system combines true multitasking with fast response times and the ability to easily add PC-like features
- Standardized development environment that incorporates debugging, simulation, parameterization and tracing capabilities makes programming and testing fast and straightforward
- Use of standard CAT5E cabling, with segment lengths of up to 50m [164 ft], for the connection of remote modules simplifies wiring and reduces installation costs and time
- Templates library for fast application software development
- Fuzzy logic temperature control



Moog has offices around the world.
For more information or the office
nearest you, contact us online.

e-mail: info@moog.com

www.moog.com/industrial

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