



Kinetix 5100 Single-Axis Servo Drives

A scalable, extended-power-range servo solution for applications with or without a PLC



Highly capable servo solution with wide connectivity and broad data capabilities.

The Kinetix 5100 servo drive gives designers the capability to deploy best-fit smart solutions thanks to its comprehensive power range. Kinetix 5100 is the next-generation indexing servo drive that will give customers the performance level they need in a cost-effective solution for machine builders.

With the option to use this drive in multiple ways, users gain the flexibility to design a system for a larger percentage of machines that our machine builders can produce, using a more cost-effective solution for a variety of motion control applications.

Features including 99-segment indexing, Safe Torque Off, built-in safety features, multiple networking capabilities, 10 freely assignable digital inputs (two of which can be used as fast input functions) and five freely assignable digital outputs give this drive the capability to meet the needs of the most demanding applications.

BENEFITS



- Simple System Sizing Selection
- Compatible with a variety of existing motors
- Embedded tuning features reduce commissioning risk & speeds time to market
- Seamless connectivity with Logix platform
- Designed with Safety in mind
- Dual Ethernet covers star, line & ring-topologies. DLR support reduces the need for network accessories

MAIN TECHNICAL FEATURES



- Standard I/O
- Different modes of control
- Safe Torque Off
- Dual-port EtherNet/IP – easy connectivity to all Logix EtherNet/IP enabled controllers
- 10 freely assignable digital inputs & five freely assignable digital outputs
- Control-modes can be changed on the fly
- Built-in Electronic CAM Function – Max of 720 points in one simple cam profile
- Indexing Function – 99 sophisticated motion commands and segments
- Gearing Mode (Master and Slave)
- PTO & Analog Control
- Certifications: c-UL-us, CE Marked, KC, RCM

DEEP DIVE IN THE KINETIX 5100 WORLD

Kinetix 5100 homepage

Find out more about the product family: [Here](#)

Smart Manufacturing

See how smart devices enable smart manufacturing: [Here](#)

Webinar

Reduce design time for small- and medium-sized machines: [Find out how](#)

Video





Complete motion systems for smart machines: [Watch it here](#)

Click [here](#) to speak with our specialists.

[LEARN MORE](#)

ADDITIONAL RESOURCES

- ▶ [Locate your local Allen-Bradley distributor](#)
- ▶ [Locate your local Rockwell Automation sales office](#)

Connect with us.    

rockwellautomation.com — expanding **human possibility**®

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