MorrellGroup
Evolution in Controls

ctrlX AUTOMATION

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ctrlX AUTOMATION is a comprehensive solution for automating and controlling industrial processes. It exceeds the traditional boundaries among machine controls, the IT world, and the Internet of Things. It features a Linux real-time operating system, consistently open standards, app-based programming, web-based engineering, and a comprehensive list of apps for all your IoT connecting needs. Similar to a smartphone, users can access all these features, functions, and ctrlX apps on a single device.

ctrlX Portfolio

ctrlX AUTOMATION provides every building block needed to create complete automation solutions within the ctrlX World ecosystem. The modular and scalable ctrlX system blends hardware and software to create flexible solutions that meet requirements for almost all applications, allowing users to get started immediately, no matter the application.

Hardware

ctrlX CORE

- Heart of the ctrlX AUTOMATION platform
- Linux-based multicore technology
- Less engineering, fewer components, & higher user productivity

ctrlX HMI

- Simple & intuitive solutions for reliable HMI
- Includes displays, panel PCs, web panels, panel frames, & machine operating panels
- Covers all application areas from simple process controls to dynamic simulations

ctrlX DRIVE

- Compact, modular servo drive system
- Covers simple single-axis & complex multi-axis systems & all system components
- MS2N, MS2E, & MS2S compact synchronous servo motors for more torque & higher speeds

ctrlX I/O

- Functional extension of the ctrlX CORE platform, includes USB & Ethernet interfaces
- Geared for future technologies like 5G, TSN, & AI
- 16 I/O points over a width of 12 mm

ctrlX IPC

- Flexible & scalable high-performance reserves for demanding process controls & technologies
- Easy access to ctrlX WORKS software functions & engineering toolbox
- Allows industrial PCs the openness & networking advantages of ctrlX AUTOMATION

ctrlX SAFETY

- Most comprehensive SafeMotion & SafeLogic solution on the market
- Can be employed as a drive-integrated SafeMotion solution or as a complete ctrlX SAFETY solution
- Open standards, secure connectivity on all levels, & a versatile selection of safety functions

Contact us today to schedule an in-person appointment with our technical specialists and discuss your ctrlX possibilities. Call 248-373-1600 or chat online at morrell-group.com/ctrlX/

Software

ctrlX MOTION

- Synchronized motion, robotic kinematics, & CNC
- Simple Cartesian pick-and-place to highly dynamic machines
- Highly precise, simple, safe, & flexible

ctrlX WORKS

- Software & engineering toolbox that significantly reduces outlay & costs
- Extensive portfolio of high-performance libraries & building blocksfor automation tasks
- Create simulations & digital twins for more efficient & safer engineering processes

ctrlX PLC

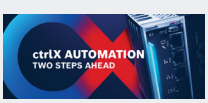
- Combines classic PLC with the communication & function requirements of IoT
- Scalable levels for basic, standard, & advanced tasks & projects of varying sizes
- Ready-made function modules, program templates, & automatic code generation

ctrlX IOT

- Open standards, intuitive configuration, maximum flexibility, & environmental adaptability
- Significantly improves connectivity with local archiving & secure, established protocols for data collection
- Fully-integrated IT security standards for access control & remote maintenance

ctrlX WORLD

- Allows users to share & access their solutions via co-creation
- Constantly growing ecosystem as software continues to be developed & users create their own apps



ctrlX SOLUTIONS

- Open for all automation solutions as it adapts to changing conditions while seamlessly communicating with its environment
- Meets requirements in various sectors & caters to virtually all automation applications
- EV battery assembly, FMCG, handling, assembly lines, packaging, machine tooling, & more

E Engineering Partner
S Systems Integrator
V Value-Added Distributor

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