

Control Technology

with Allen Bradley Automation Software
for Single Machines and Turnkey Systems

Why buy your controls from Eirich Machines?

Three words: **Quality - Safety - Performance**

Quality

At Eirich Machines we build our own control panels. We are a UL 508a listed panel shop and are ISO 9001:2015 certified. We carefully choose the components we use to design our machine controls, selecting them based on performance, reliability, and price. All machine controls are fully tested with their respective equipment in a rigorous QC process.

Safety

Today there is an ever-changing emphasis on machine safety and the world moving towards a global standard for machine safety. At Eirich Machines we take machine safety very seriously. We work hard to keep informed on the latest safety standards and design our control systems with this in mind. We implement the latest safety technology that meets today's standard and in to the future.

Functional safety standards:

IEC62061 + ISO 13849-1 => IEC/ISO 17305 (2016/18)

Performance

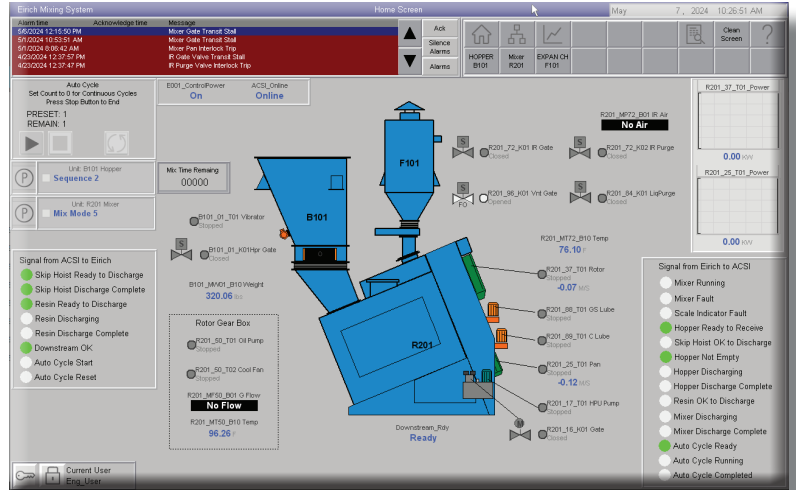
You invest a lot of capital in high-performance mixing equipment. Why would you not want the control of that equipment to perform to the same standard? At Eirich Machines we know our equipment better than anyone. We design our control system to be precisely matched to our machines. Designed to the latest standards with the latest technology, you can trust that our equipment will be reliable and supportable long into the future.



EIRICH Control Panel Specifications

Technology benefits

- Achieve standardization by installing a consistent modular solution throughout the plant based on a single process control strategy.
- Reduce startup and process debugging time by enabling integration into higher level batch management software systems.



Remote connectivity device. Allows for remote support during commissioning or for trouble shooting.

Solid state motor starters to control motors up to 5 HP. Communication via BUS, safety integrated.

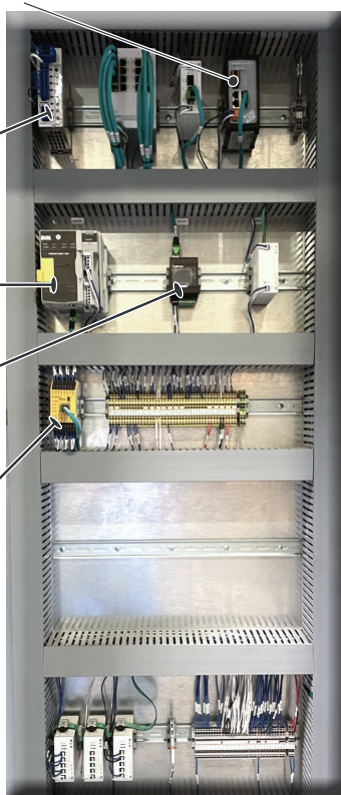
Motor circuit breakers, contactors, push buttons are on "Smartwire", a BUS system that allows for quick assembly, easy integration, and many diagnostic functions.

Circuit breaker for 24VDC circuits. Protects individual circuits via electronic fusing.

Allen Bradley Compact Logix PLC

Hardy weight processor. For integration of scales.

Programmable safety relay. Programming based on safety measures on the machine, such as E-stops, safety switches, and covers.



Main disconnect. Control panels are typically designed for 480VAC/3Phase/60Hz.

Variable frequency drive (VFD). Controls speed and torque of a motor by varying the frequency and voltage output.

Eirich Machines, part of worldwide Eirich Group, is an international supplier of machinery, systems, and services for material processing. With the two product lines EIRICH and American Process Systems® (APS), we offer the most comprehensive range of mixers, blenders, pelletizers, dryers, and grinding mills.

Eirich System Engineering:

- Intensive Mixers
- Control Technology
- Weighing & Dosing
- Table Feeders
- Drying Technology
- Lab & Small-Scale Mixers
- Turnkey Systems



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