Applied Motion
SYSTEMS

GENERAL AUTOMATION INTEGRATION

Custom-engineered automation systems for manufacturers whose problems don't fit a standard solution

The Challenge

The Production Gap Is an Engineering Problem

Labor shortages and rising output demands are putting pressure on production lines that were never designed to handle either. When the constraint requires custom engineering rather than a catalog selection, that's where AMS works.

What We Do

- Robotic workcell design and integration: floor space, cycle time, operator touchpoints, and maintenance access designed first, hardware specified after
- Custom machine design and build from the ground up for applications where no standard solution exists
- PLC, HMI, and SCADA programming written for the maintenance team who inherits it, not just the engineer who built it
- Control system retrofits for aging drives, controllers, and motion systems. We start with the mechanical system, not the control cabinet.
- Machine safety upgrades and guarding designed around how the machine is actually operated
- UL 508A certified control panel fabrication, designed and built in-house

READ OUR GENERAL AUTOMATION CASE STUDIES

Proven in Production

A Pacific Northwest manufacturer needed one machine that could run pre-printed stock with reliable image registration at production volume. Two existing lines couldn't do it simultaneously. The constraint turned out to be thermal, not controls. AMS established 3,000 sleeves per minute as the theoretical ceiling and built a machine that replaced both lines. The customer now runs a single shift.

A Pacific Northwest kiln manufacturer needed to automate a brick processing line that had never been automated before, while eliminating serious silica dust exposure. AMS built a fully automated, patented system from scratch. One shift now produces double the previous output.

We don't commit to a scope until we understand the machine, the environment, and the team that will maintain it.

AMS has been solving production problems that require real engineering since 1995.

360.253.4810
VANCOUVER, WA