



# CONTROL

**That Commands Every Cycle**

# TRAIL

**MOTION, SAFETY, DIAGNOSTICS, AND OPERATOR CONTROL — UNIFIED IN ONE INDUSTRIAL-GRADE SYSTEM.**

For more than 140 years, Logemann has engineered baling systems built to run. The CommandCore Touchscreen Control System delivers a complete upgrade package: Allen-Bradley CompactLogix PLC, new industrial electrical cabinet, Smart HPU hydraulic power unit, and 10" or 15" touchscreen HMI — all integrated and factory-tested as a single system. Less downtime. Fewer service calls. More control over every cycle.



## New Industrial Electrical Cabinet

Clean, protected, service-ready electrical infrastructure.

Every CommandCore upgrade includes a new, purpose-built electrical cabinet. Engineered to Logemann specifications, the electrical cabinet is delivered as a complete, tested assembly ready for installation.

- NEMA-rated enclosure designed for industrial plant environments
- Pre-wired and factory-tested before shipment — minimizes field installation time
- Organized, labeled wiring and clearly documented circuit layout for fast troubleshooting
- Replaces aging relay-logic panels and obsolete electrical infrastructure in one step
- Sized and configured to the specific baler model — no field adaptation required

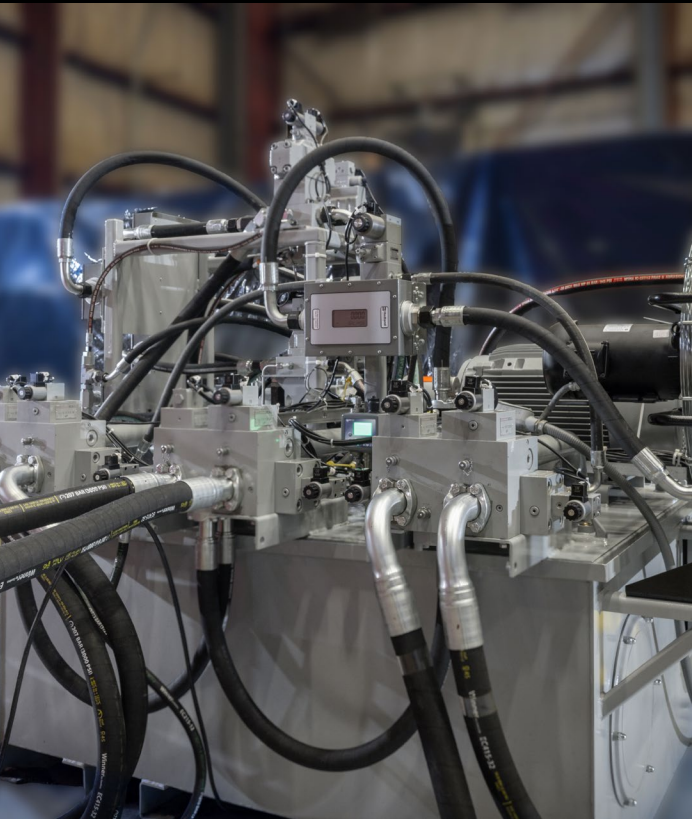


## Logemann Smart HPU Integration

Standard components, wide parts availability, ready to install.

The Smart HPU is Logemann's next-generation hydraulic power unit, available as a factory-integrated component of the CommandCore upgrade or as a standalone replacement for aging HPU systems.

- Unloader valve automatically diverts pump flow when not needed — reducing energy draw during idle portions of the baling cycle
- Dedicated recirculation pump continuously circulates fluid through the main filter and heat exchanger — maintaining ISO cleanliness levels and managing operating temperature
- 400-gallon internally baffled reservoir promotes dirt and entrained air separation — protecting pump and valve life between service intervals
- High-efficiency 75 HP main motor with Atos quad vane pump assembly — matched to baler hydraulic requirements
- Air-to-oil heat exchanger with electric motor-driven fan maintains fluid operating temperature
- Completely assembled, tested, and painted before shipment — arrives ready for installation
- High-efficiency motors and cooler operation reduce heat output and maintenance frequency
- Flexible hose routing with clear labeling cuts vibration stress and speeds service



## CommandCore Fluid & Pressure Monitoring

Catch hydraulic problems before they become production stops.

- Continuous monitoring of hydraulic fluid cleanliness (ISO particle count)
- Water content and fluid temperature tracked in real time
- System pressure monitored across all compression axes
- Key out-of-range conditions trigger alarms — catching fluid and pressure faults before they become component failures

## Alarm Visibility & Remote Diagnostics

Every fault timestamped, displayed, logged, and accessible from anywhere.

- Full alarm history stored on-screen — no paper logs, no guesswork
- Active and historical alarms displayed through the HMI with condition detail
- Predictive alerts informed by real operating data flag issues before failure
- Remote diagnostics allows Logemann engineers to review fault history, pressure logs, and cycle data without an on-site visit
- Reduces service call duration, eliminates unnecessary part replacement, and accelerates return to production



# COMMANDCORE CONTROL PLATFORM



Industrial architecture built for demanding machine environments

- Allen-Bradley CompactLogix PLC — proven, field-supported, and widely serviceable
- 10” or 15” Panelview touchscreen HMI options to match operator environment
- Manual, semi-automatic, and fully automatic operating modes
- Supports EtherNet/IP connectivity for integration with plant-level systems

## Why Logemann CommandCore?

The CommandCore upgrade delivers a new electrical cabinet, Smart HPU, Allen-Bradley PLC, and touchscreen HMI as a single, integrated package. Modernize controls, extend machine life, and protect the capital investment already in your plant.

One upgrade. Complete control. **No structural changes required.**

WHAT'S INCLUDED?	BUILT FOR OPERATORS	BUILT FOR TECHNICIANS
New industrial electrical cabinet	One interface for all controls	Timestamped alarm history
Allen-Bradley CompactLogix PLC	Auto-cycle & auto-eject modes	Remote diagnostics access
Smart HPU hydraulic power unit	Clear fault displays on screen	Pressure & fluid readings on-screen
10” or 15” touchscreen HMI	Consistent bale weight targets	Tool-free panels, fast access
Factory-assembled & tested		Predictive alerts from real data

## Modernization-Ready

Upgrade path built into the platform.

- Retrofits to existing Logemann baler frames — 2-Ram Lion Series and 3-Ram Metal Series
- Replaces aging relay-logic panels, obsolete PLCs, and worn HPU systems in one integrated package
- Automation enhancements available: auto-cycle, auto-eject, density feedback loops
- Remote diagnostics capability added to machines that previously had none
- Scalable architecture supports future integration with plant-level monitoring systems

CommandCore is compatible with Logemann Two-Compression, Three-Compression, and custom baler platforms. Available as factory-installed standard on new machines or as a field retrofit to existing equipment. Smart HPU available as a standalone upgrade independent of the PLC package. Cross-platform compatibility to be confirmed with Logemann engineering for specific machine configurations.

# Backed by Logemann Engineering

- Founded in 1882 — over 140 years of baler engineering expertise
- More than 15,000 scrap management systems delivered worldwide
- Smart HPU engineered in partnership with a specialized hydraulics manufacturer — standard components, wide parts availability, fast lead times
- Machines designed to remain productive for decades



**Request a Density ROI Analysis for your operation.**

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**Talk with Logemann about PLC modernization, Smart HPU upgrades, electrical cabinet replacement, or full CommandCore packages for your operation.**