



Presses & Automation
SINCE 1975



Azimuth Press control

AZIMUTH'S PRESS CONTROL – PLC BASED CONTROLLER

Azimuth' PLC BASED CONTROLLER features a large color touch screen, advanced communications, with 4.0 capabilities.

Our operator station is built for maximum convenience and efficiency, featuring caster wheels for seamless mobility around the press and feed line.

Standard Features:

- ✓ **Dual-Palm Station** – Ensures safe and controlled operation
- ✓ **Up/Down Buttons** – For shut height adjustment
- ✓ **Safety Reset Push Button** – Quick system reset for added security
- ✓ **Emergency Stop** – Immediate stop for safety compliance
- ✓ **Top-Stop** – Stops operation at the top position for enhanced control
- ✓ **Prior Act Button** – Enables automatic cycle actuation
- ✓ **Inch/Single/Automatic Key Switch** – Provides flexible operation modes

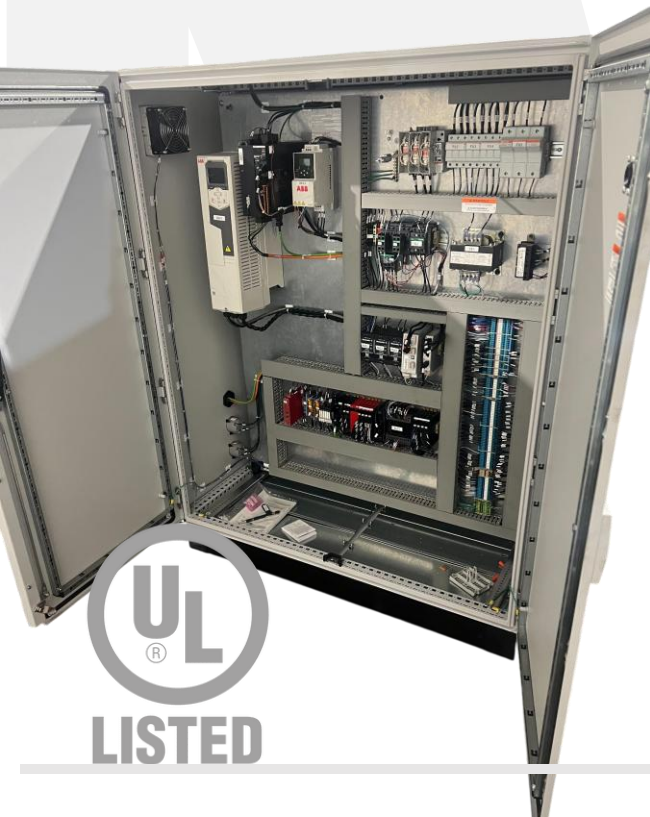


UL listed control pannel

Azimuth is a UL-certified panel builder specializing in the stamping industry. This certification ensures that our control panels meet stringent safety and quality standards, providing reliable and compliant solutions for your operations.

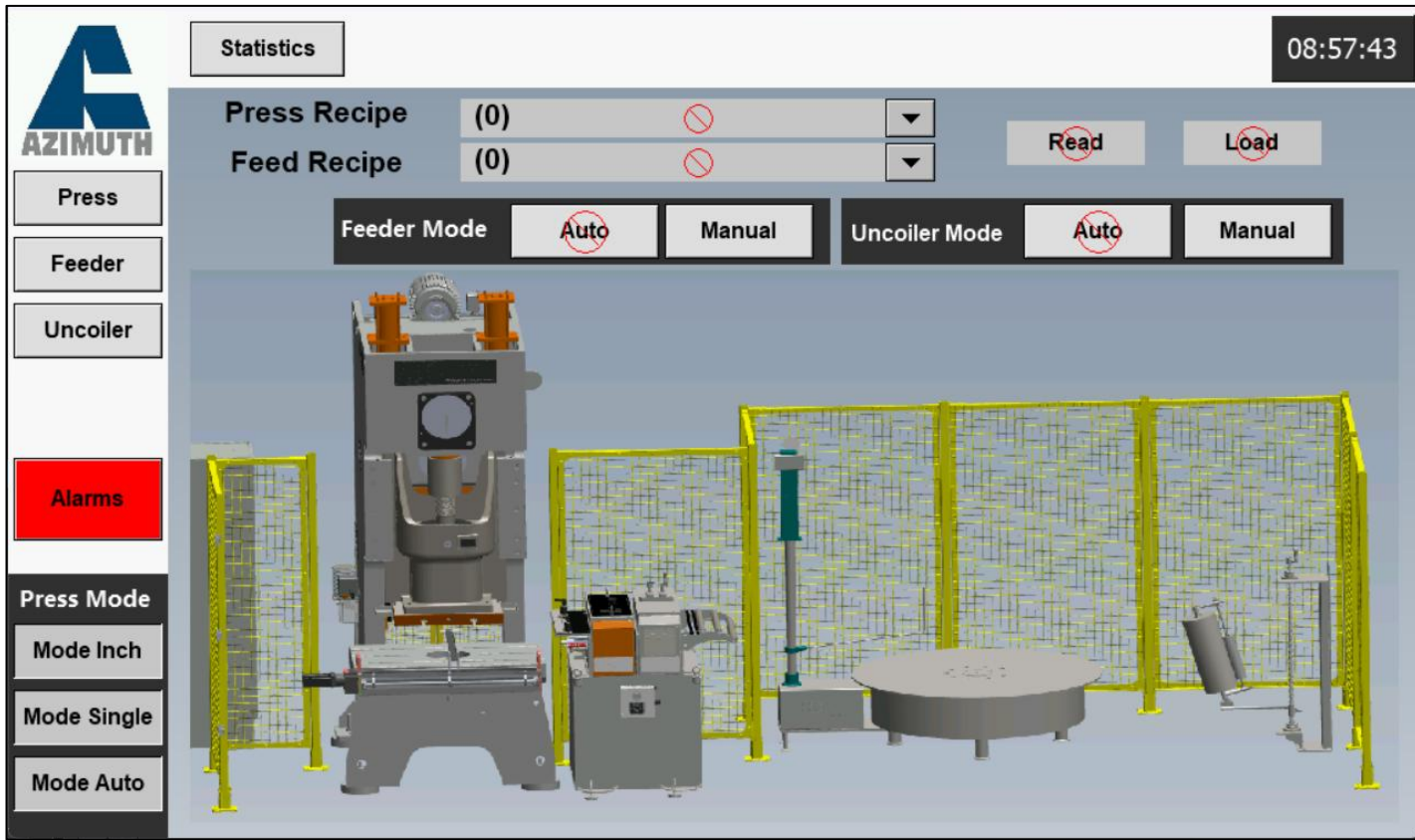
We customize enclosures specifically for sheet metal applications, ensuring seamless integration with your existing equipment and processes.

Our tailored designs enhance both safety and efficiency in your stamping operations.



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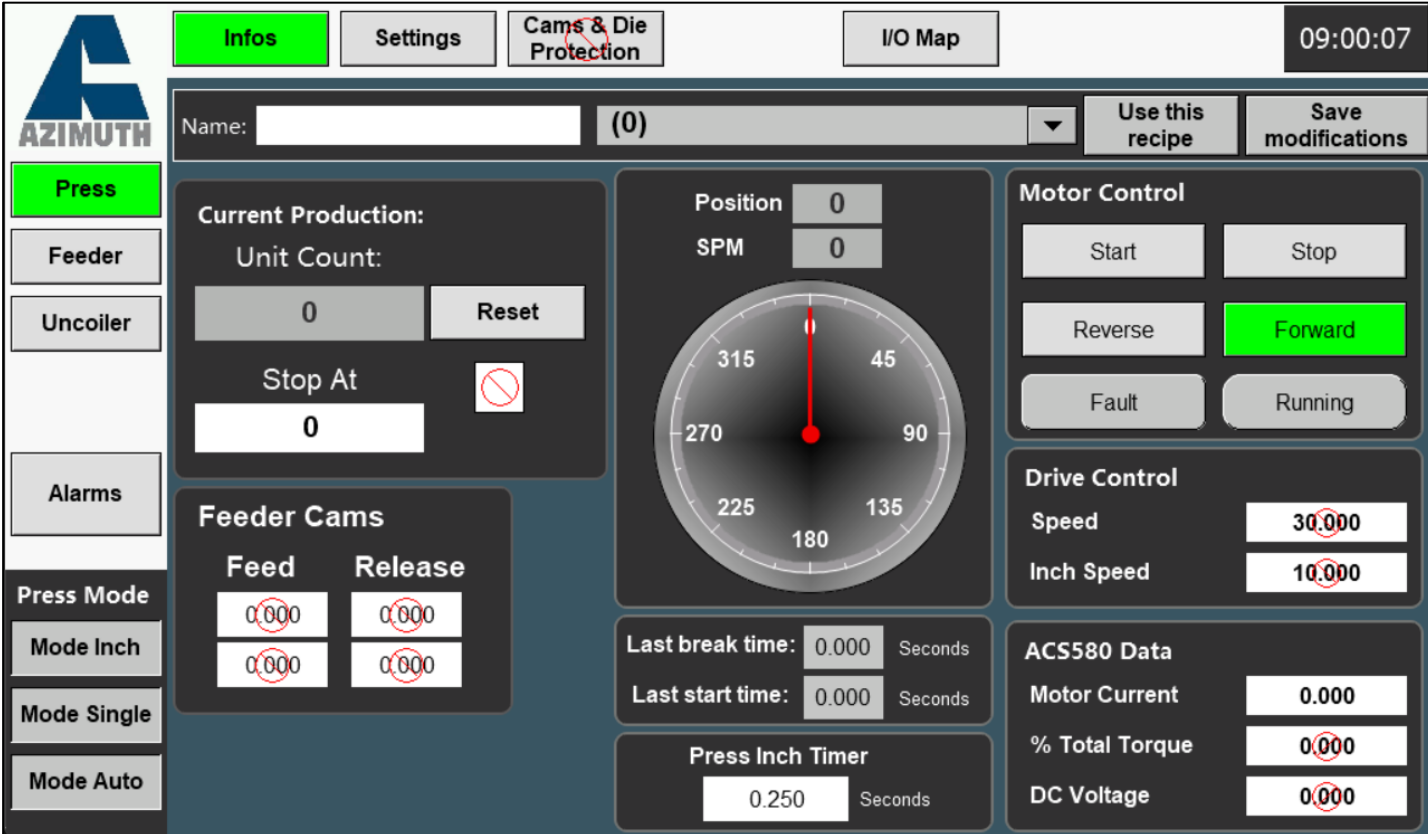
Our **15" vibrant touchscreen** provides a comprehensive overview of the equipment or entire production line, offering intuitive navigation and seamless access to individual equipment settings with a simple tap.

Key Features:

- ✓ **Real-Time Monitoring** – Instantly access equipment settings and performance data
 - ✓ **Production Statistics Display** – View press operation mode, cycle counter, alarm counter, grease cycle, and more
 - ✓ **Customizable Home Page** – Tailored to meet client-specific preferences and operational requirements
- Customized Line view

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Our **Press Information Page** provides real-time insights into critical press operations, ensuring optimal performance and control.

Key Features:

- ✓ **Comprehensive Press Data** – Displays position, speed, previous cycle braking and start time, motor control, and more
- ✓ **Quick-Adjust Settings** – Easily modify press homing position, stop angle, CAMs, die protection, and lubrication settings
- ✓ **Recipe-Based Stroke Counter** – Automatically stops the press after a predefined number of strokes
- ✓ **Automatic VFD Speed Adjustment** – Ensures smooth and efficient operation (when provided with VFD)
- ✓ **Press recipe Builder** – Store up to 1000 jobs in the recipe builder

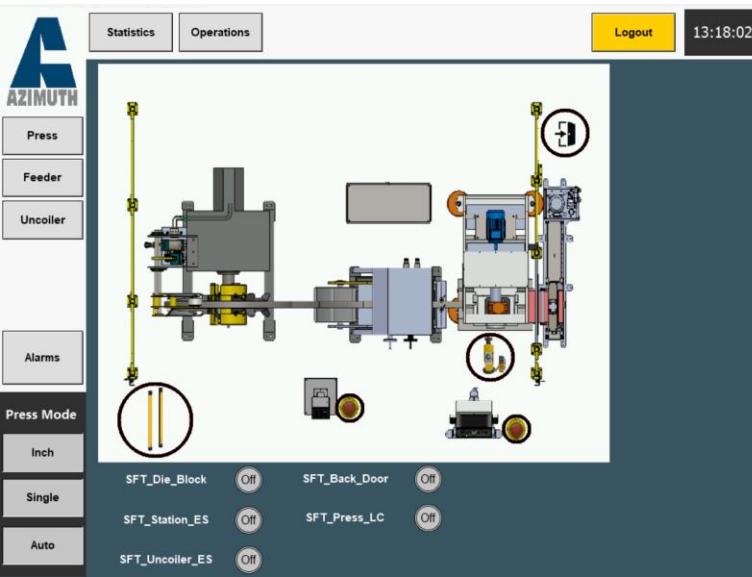
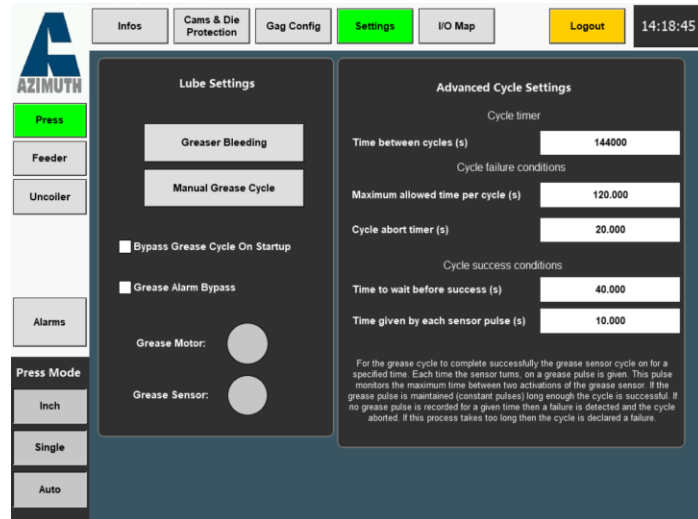
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- Press recipe builder allows you to save settings (normally used for different tooling preset)
- Up to 16 recipes (each with 16 local programmable CAMS outputs)
- Up to 16 global programmable CAMS outputs
- I/O lists allows you to easily troubleshoot the system

- Grease or oiling controls page allows the operator to monitor the greasing cycles



- Safety controls for Press motor
- Safety controls for Adjustment motor
- Safety controls for DSV
- Customizable view for troubleshooting safety inputs

Azimuth feed interface

Our advanced feed interface allows you to store more jobs, sequential feed, GAG capabilities, & more

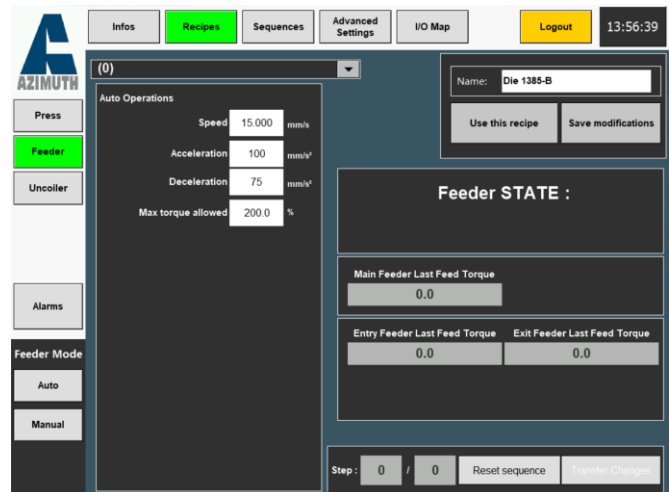


*The **Recipes Page** provides an intuitive and user-friendly interface for configuring the basic parameters of the main feeder. It supports up to **100 recipes** as standard, allowing for quick setup and changeover.*

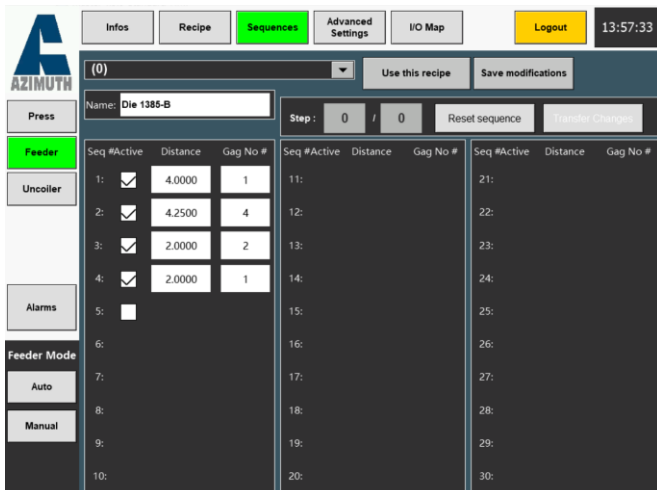
***Torque Data Windows** are available for all feeders, offering real-time monitoring and analysis of torque values throughout the feeding process.*

*The **Info Menu** allows for quick and intuitive interaction with the micro-functions of all connected feeders, providing centralized control and monitoring.*

*The **Feed State Window** offers an at-a-glance overview of the main feeder status, making it easy to identify whether the feeder is waiting for a signal or has completed its feeding cycle.*



*The **Sequences Menu** allows for easy and efficient updates to the feeding sequence of your servo feeder through the intuitive feed interface. It provides direct access to **GAG activations** and **feeding distances**, enabling precise control and flexibility. Each recipe can store **up to 30 sequences** as standard, supporting complex and customizable feeding operations.*





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Feed-line

We excel in providing turnkey solutions with our custom servo feeding systems, designed to accommodate a wide range of materials—from thin sheets to automotive-grade thicknesses. Our dedicated approach ensures that each system is tailored to meet your specific production requirements, enhancing efficiency and performance.

Turn-key solution

At Azimuth, we specialize in creating customized production lines tailored to your exact specifications. Simply send us your part drawings, and our experienced team will develop a solution designed to maximize efficiency and elevate performance across your operations. As part of our commitment to quality, we'll rigorously test and run your production setup before shipment, ensuring flawless installation and seamless integration when it reaches you.



We are committed to delivering high-quality, innovative automation solutions tailored specifically for the stamping industry. Our UL certification underscores our dedication to safety and excellence, ensuring that our custom-built systems meet the highest industry standards.