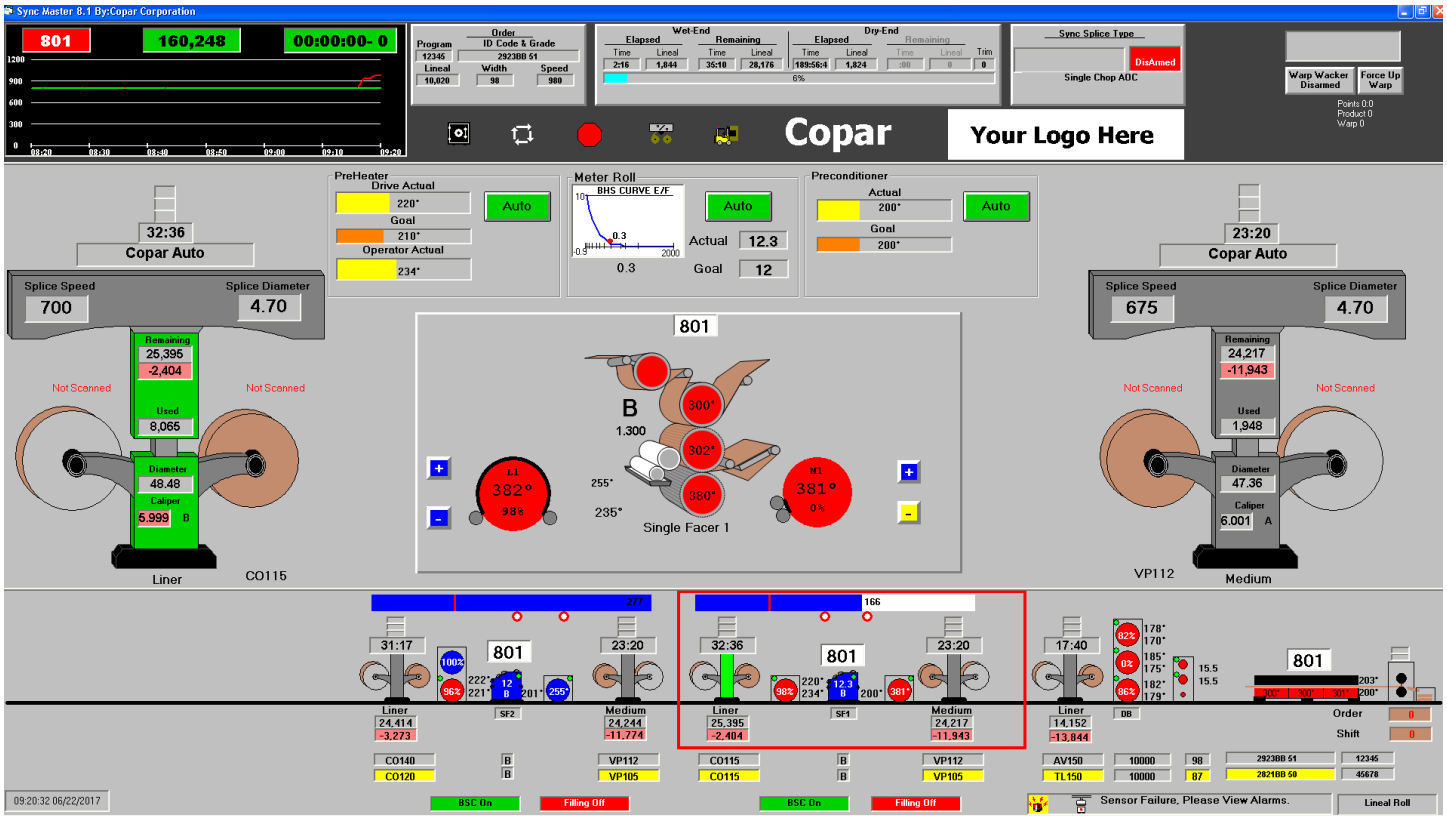
# COPAR Corporation

# Upgrade CSSC 3 through 8 to CSSC 8.1 Sync Master Synchronized Splice Control with Trade In




Information is displayed on 23” (58.4cm) 16:9 format 1920X1080 high resolution screens

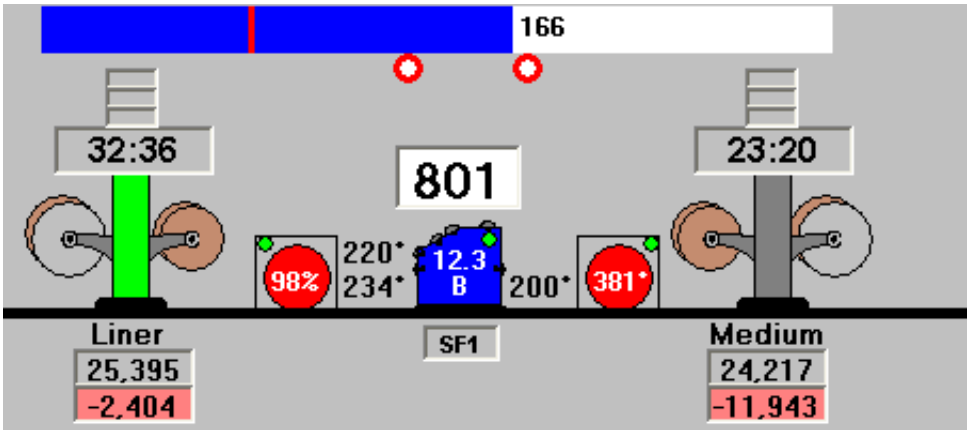
Many additional tools and features included in all upgrade packages

Allen Bradley Compact Logix Series L33 ER Processors

Designed for easy retrofit installation

Uses existing cabinets and hardware for ease of installation

**5744 West 77th St. Burbank, IL 60459 (708) 496-1859**
**WWW.COPAR.COM info@copar.com**

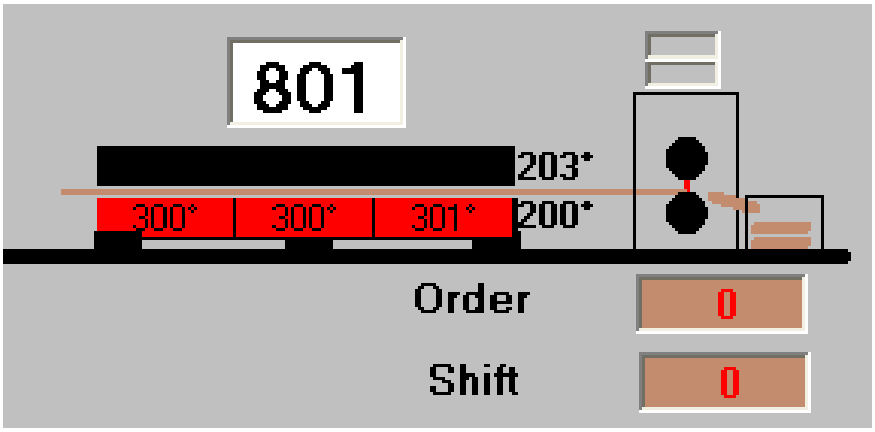


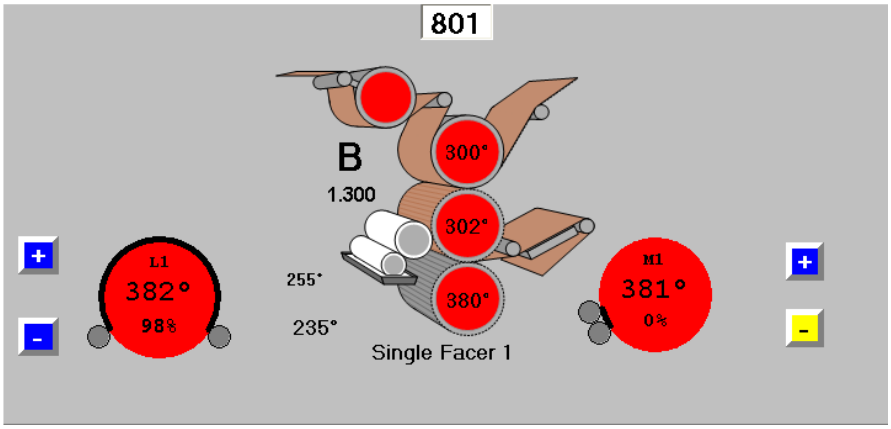

Animated bridge level display

Bridge Safety Net proactively prevents bridge break outs

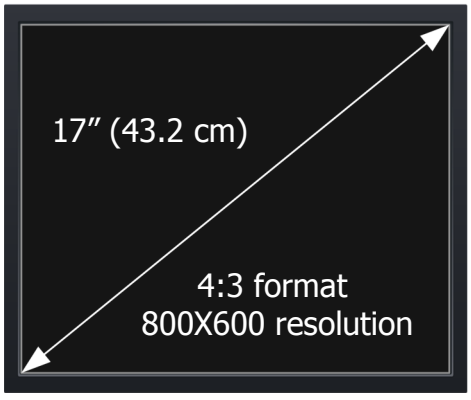
Splices are displayed in real time as they travel through the machine

Shear waste is displayed and recorded for order and shift

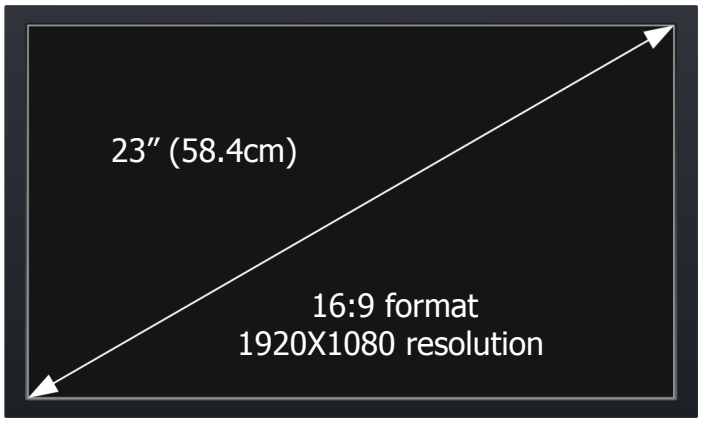



Animated singlefacer display shows wrap arm position (with CTC)

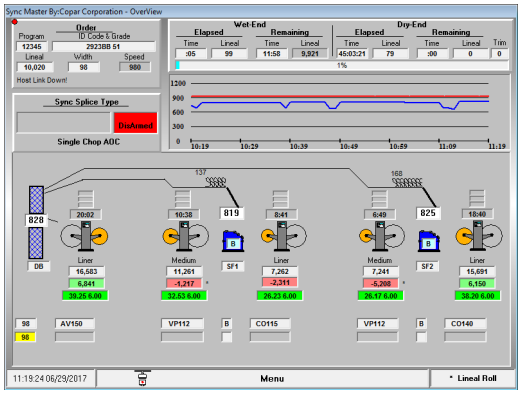



OLD SCREEN

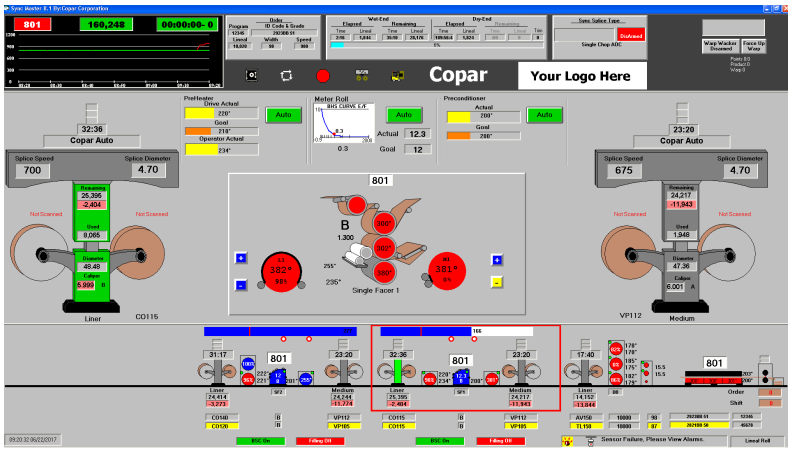



NEW SCREEN

# CSSC 3 - 8
## All Upgrades Include New Screens

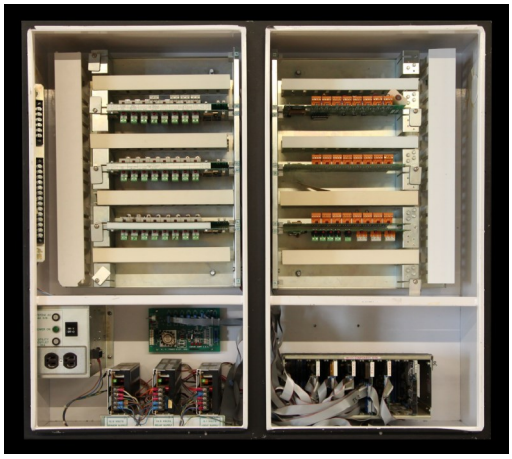



1995 to 2016 Screen

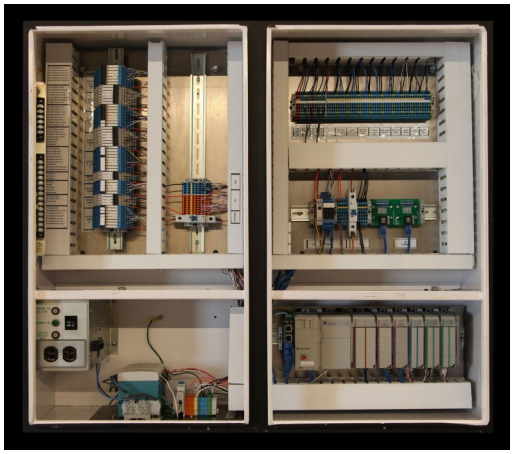



Updated CSSC 8.1 Screen

## CSSC 3 thru 6 PLC Upgrade



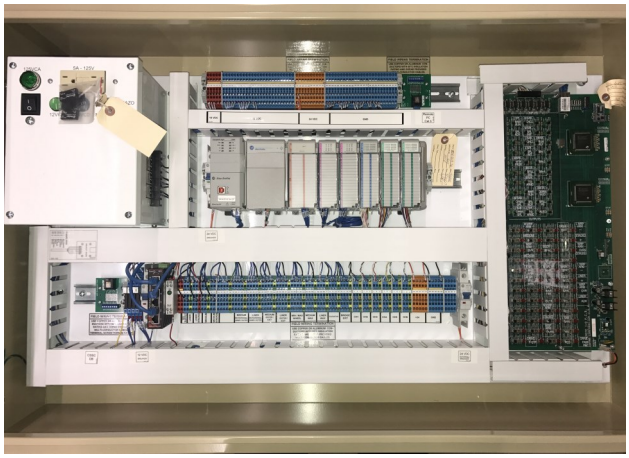
1980s to 2006 Cabinet



Upgraded 8.1 Cabinet

## CSSC 7 PLC Upgrade

2006 to 2016 Cabinet



Upgraded 8.1 Cabinet

**Key Advantages:**

- CSSC version 8.1 guarantees reliability. CSSC 3 through 7 is no longer sold and component availability will eventually run out.
- CSSC 8.1 uses the latest AB PLC technology which communicates 1000 times faster than the old bus system.
- Supports high definition screens with animated machine processes.
- Shear waste is displayed and recorded for order and shift.
- Sync splice accuracy is greatly improved.
- Faster and more user friendly.
- Vastly improved diagnosis. Black box troubleshooter records 4 times a second.
- Online PLC monitoring and program changes can be made while running.
- CSSC 8.1 Is customizable. New features can be easily programmed. CSSC 3 through 7 uses legacy software (no new features).
- Better bridge level management when two rolls expire close together (paired splicing).
- Can handle dual-arch (laminated) splicing.
- Compatible with higher resolution sensors and board wheels.
- Faster PLC processors allow for quicker machine response times.
- High speed data logging.
- More precise bridge validation and balancing with dual water mark detectors.
- Variable bridge feature allows plant to select bridge loading to combat reverse warp.
- Bridge Safety Net proactively prevents bridge break outs reducing downtime and logs the reason for the issue.
- More Precise double backer speed control means improved productivity.
- Operator selectable shear control. Single or multi cut grade changes for less waste.
- End of roll splicing with continuous caliper grading for precise diameter calculation.

**5744 West 77th St. Burbank, IL 60459 (708) 496-1859**
**WWW.COPAR.COM info@copar.com**