



LYCO
Manufacturing, Inc.

THE *EXPERTS* IN INNOVATIVE
FOOD PROCESSING MACHINERY

LYCO CONTROLS



THE EXPERTS IN INNOVATIVE FOOD PROCESSING & TECHNOLOGY

Trust Lyco's 50 years of industry-leading experience to bring you the best solutions to control stages and processes from one simple touch-screen.

LYCO'S STATE OF THE ART CONTROLS SAVE TIME & MONEY BY AUTOMATING MULTIPLE ASPECTS OF THE PROCESS

Lyco utilizes a Touch Screen HMI which simplifies operation. Intuitive navigation, simplified startup sequence, and display of operational parameters improves productivity.



FEATURES:

- Touch Screen HMI's for intuitive operation.
- Industry leading Allen-Bradley PLCs for ease of troubleshooting, parts availability, and long-term support.
- VFD's for better process control and energy savings.
- Alarms - View real time and historical alarms including temperature deviations, motor failures, and high/low levels.
- Convenient display of all major process parameters for fast and accurate quality checks.
- Pre-wired for reduced installation time and cost.
- Recipes - Create and save custom recipes for time and temperature control to achieve precise and repeatable results.
- Optional UL-approved panel construction.
- Rockwell Automation (Allen-Bradley) standard, Siemens available as option.
- Washdown rated sensors, cables, and electrical enclosures designed and tested for the environment.
- Remote Access connection allows for faster more efficient service.

For more information visit: www.LycoMfg.com

LYCO'S TOUCH-SCREENS

ALARMS

6/9/2017 2:41:05 PM

ST - Plenum Plugged

ALARM RESET

ALARM SILENCE

USER: LYCO

HOME COOKER OVERVIEW COOLER OVERVIEW RECIPE TEMP TREND ALARM HISTORY CIP SETTINGS LOGIN LOGOUT

CIP

6/9/2017 2:39:35 PM

SYSTEM R AUTO

START CAUSTIC CLEANING START ACID CLEANING START RINSE CYCLE STOP SYSTEM TIME REMAINING 5.8

CLEANING CYCLE SETTINGS

CAUSTIC TEMPERATURE SETTING	180.0
CAUSTIC CLEANING TIME	5.0
ACID TEMPERATURE SETTING	120.0
ACID CLEANING TIME	5.0
RINSE TEMPERATURE SETTING	80.0
RINSE TIME	5.0

MOTOR / VALVE SETTINGS

AUGER SPEED	62.0
SCREEN SPEED	75.0
MAIN PUMP SPEED	50.0
PLENUM PUMP SPEED	37.0
HYDROFLOW SETTING	30.0
FLUME SETTING	35.0
SIDE CIP SETTING	25.0

COOKER FILL VALVE COOLER FILL VALVE

AUGER ENABLE JOG SCREEN ENABLE JOG

USER: LYCO

HOME COOKER OVERVIEW COOLER OVERVIEW RECIPE TEMP TREND ALARM HISTORY SETTINGS LOGIN LOGOUT

PROCESS SETTINGS

6/9/2017 2:29:53 PM

WATER LEVEL SETTINGS (1000 ± 1 SEC)

COOKER MINIMUM WATER LEVEL OK	5000 h2o
COOKER LOW WATER LEVEL	200 h2o
COOKER 1/2 WATER	5000 h2o
COOKER LOW WATER LEVEL	100 h2o
COOKER 1/4 WATER	400 h2o
COOKER SWELL TIME @ 60 PSI	5.0 Min

ALARM TIMERS (1000 ± 1 SEC)

COOKER LOW WATER ALARM	6000 h2o
COOKER LOW WATER FAULT	15000 h2o
COOKER LOW TEMPERATURE	8000 h2o
COOKER LOW WATER ALARM	6000 h2o
COOKER LOW WATER FAULT	15000 h2o
COOKER HIGH TEMPERATURE	12000 h2o

STEAM VALVE SETTINGS

AMOUNT OPEN	TEMPERATURE DIFFERENTIAL
20% OPEN	0.1°
30% OPEN	0.2°
40% OPEN	0.3°
50% OPEN	0.4°
60% OPEN	0.5°
70% OPEN	0.6°
80% OPEN	0.7°
90% OPEN	0.8°
MAXIMUM TEMPERATURE FOR STEAM INJECTOR	0.9°

USER: LYCO

HOME COOKER OVERVIEW COOLER OVERVIEW RECIPE TEMP TREND ALARM HISTORY CIP VFD SETTINGS LOGIN LOGOUT

TEMPERATURE TREND

6/9/2017 2:27:31 PM

Friday June 09 2017

COOKER SETPOINT COOKER ACTUAL COOLER SETPOINT COOLER ACTUAL

USER: LYCO

HOME COOKER OVERVIEW COOLER OVERVIEW RECIPE ALARM HISTORY CIP SETTINGS OPEN LEVEL 100% LOGIN LOGOUT

COOKER OVERVIEW

6/9/2017 2:25:54 PM

ENABLE COVER BYPASS

PRODUCTION WATER LEVEL MINIMUM PRODUCTION WATER LEVEL MINIMUM WATER LEVEL

USER: LYCO

HOME COOKER OVERVIEW RECIPE TEMP TREND ALARM HISTORY CIP SETTINGS LOGIN LOGOUT

RECIPE EDIT

6/9/2017 2:27:12 PM

SELECTED RECIPE

RECIPE NUMBER 3

RECIPE NAME

COOK TEMPERATURE 120.0 F

COOK TIME 32.0 Min

COOLER TEMPERATURE 100.0 F

MAIN PUMP SPEED 55 Hz

HYDROFLOW VALVE SETTING 20 %

FLUME VALVE SETTING 35 %

SIDE CIP VALVE SETTING 25 %

SAVE RECIPE

USER: LYCO

HOME COOKER OVERVIEW COOLER OVERVIEW RECIPE TEMP TREND ALARM HISTORY CIP SETTINGS LOGIN LOGOUT

AUGER

USER: LYCO

AUTO MODE ENABLE MANUAL ENABLE JOG TURN OFF

RUNNING

STOP FREQUENCY 16.9

SET MANUAL SPEED (15 - 90 Hz) 50

CLOSE

CHILLER PUMP

USER: LYCO

AUTO MODE ENABLE MANUAL ENABLE JOG TURN OFF

RUN JOG

STOP FREQUENCY 0.0

SET MANUAL SPEED (15 - 60 Hz) 0

ALARM CLOSE

COOKER FILL VALVE

USER: LYCO

AUTO MODE ENABLE MANUAL TURN OFF

OPEN

CLOSED

PRODUCTION WATER LEVEL MINIMUM PRODUCTION WATER LEVEL MINIMUM WATER LEVEL

CLOSE



THE **EXPERTS** IN INNOVATIVE
FOOD PROCESSING MACHINERY

TRUST IN LYCO'S 50 YEARS OF EXPERIENCE

50 of the Top 100 North American food companies that feed the world trust and rely on Lyco Food Processing Machinery.

Our innovations in the Heating/Cooling and Liquid-Solid Separation machinery have made us a global leader and an expert in the food processing industry.

Our extensive equipment offerings include:

- Blanchers/Cookers/Coolers
- Wastewater/Liquid-Solid Separation
- Peelers/Washers/Scrubbers
- Green Bean Equipment
- After Market Services

For more information visit: www.LycoMfg.com

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