



**LYCO**  
*Manufacturing, Inc.*

THE **EXPERTS** IN INNOVATIVE  
FOOD PROCESSING MACHINERY

**CONTINUOUS BLANCHING,  
COOKING, AND COOLING**

EQUIPMENT FOR A VARIETY  
OF APPLICATIONS

EXCELLENT ROI WITH FAST, GENTLE  
COOKING AND COOLING



# SUPERIOR DESIGN YIELDS LOW MAINTENANCE



## WATER BLANCHER

### LYCO CONTINUOUS WATER ROTARY DRUM BLANCHER

- Experience: many hundreds of units in service on a wide variety of applications
- Trunnion designs eliminate shaft breakage
- Agitation increases capacity by up to 50% and reduces losses from pasta clumping by 5% to 10%
- Quality materials and fabrication result in lower equipment maintenance costs



## VAPOR-FLOW®

### VAPOR-FLOW® CONTINUOUS STEAM BLANCHER

- Increased recovery by up to 5%
- Flexibility to heat with steam or water
- Rapid change-over with the flip of a valve
- Uniformity guaranteed, unlike belt systems
- Small footprint - 50% less than belt cookers

#### SUGGESTED APPLICATIONS



SPINACH    VEGETABLES    DRY BEANS    HUMMUS    PASTA    RICE

For more information visit: [www.LycoMfg.com](http://www.LycoMfg.com)





## **CLEAN-FLOW®**

### **CLEAN-FLOW® CONTINUOUS BLANCHER, COOKER, AND COOLER**

- Designed for pasta, rice, and vegetables
- Hydro-Flow® increases yield by 10% to 15%
- Clumping losses are eliminated – even when running spaghetti
- Consistent and uniform product cook throughout the process
- Main auger/screen self-cleans 360 degrees
- Water plenum discharge is self-cleaning

## **CLEAN-FLOW XT®**

### **CLEAN-FLOW® XT CONTINUOUS BLANCHER, COOKER, AND COOLER**

- ROI achieved in less than one year, versus batch and kettle systems
- Hydro-Flow® increases yield by 10% to 15%
- Continuous process eliminates over- or under-cooked product
- Open, accessible, easy-to-clean design
- Water plenum discharge is self-cleaning



## **HYDRO-FLOW® TECHNOLOGY**

Hydro-Flow Agitation Technology keeps products individually suspended which eliminates clumping and product losses when running pasta.

#### **SUGGESTED APPLICATIONS**



PASTA

DRY BEANS

PROTEINS

VEGETABLES

RICE

POTATOES

**"LYCO MFG., INC. MAKES THE BEST  
PASTA COOKER IN THE WORLD!"  
- MR. TOPS, BELGIUM**

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# DRAMATICALLY IMPROVE YOUR PRODUCTION WITH LYCO'S INNOVATIVE DESIGN, ENERGY EFFICIENCY & RAPID RETURN ON YOUR INVESTMENT.

## EASY-FLOW™

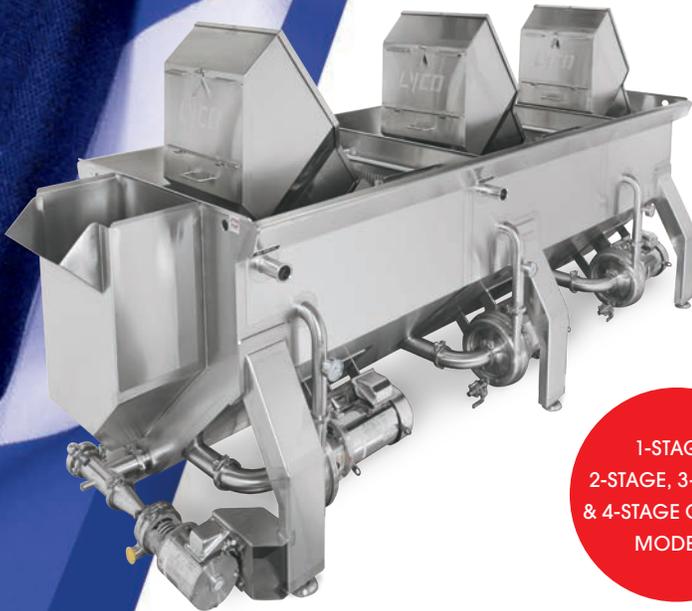
### EASY-FLOW™ CONTINUOUS COOLER

- The FASTEST particulate cooler on the market
- Cool from 200° F (93.3° C) to 70°F (21.1° C) in 10 seconds
- Uniformity of cooling guaranteed
- Easy-to-clean design
- Small footprint saves space compared to conventional coolers
- Additional Energy Savings – Lyco's revolutionary continuous quench technology allows you to capture heat pulled out in the cooler and use it to preheat water for the cooker

## COOKER/COOLER

### LYCO'S CONTINUOUS COOKER/COOLER

- Experience: hundreds of units in service on a wide variety of applications
- Cooling to 40°F (4.4° C) guaranteed
- Guaranteed process performance for both hot or cold cycles
- Gentle agitation with Hydro-Flow suspension yields uniform results
- Rapid CIP process



1-STAGE,  
2-STAGE, 3-STAGE,  
& 4-STAGE COOLER  
MODELS



#### SUGGESTED APPLICATIONS



PASTA   DRY BEANS   PROTEINS   VEGETABLES   RICE   POTATOES

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## CHILL-FLOW®

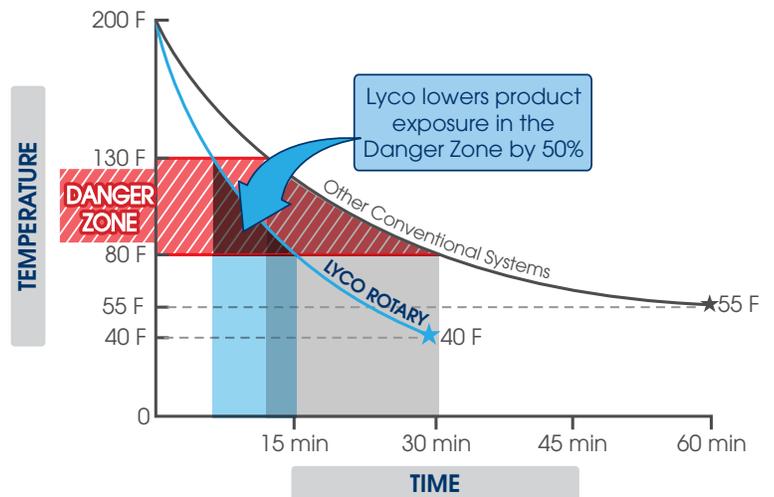
### CHILL-FLOW® CONTINUOUS POUCH/TUB COOLER

- Rapid high volume pouch/tub cooler
- Cools large variety of products including vegetables, rice, soups, sauces, and condiments in pillow pouches and tubs
- Cools in 20, 40, or 60 minutes, product dependent
- 50% smaller footprint and generally cools twice as fast as belt coolers

### LYCO'S CHILL-FLOW™ COOLER DELIVERS REDUCED TIME IN THE BACTERIAL "DANGER ZONE"

The Food Safety and Inspections Service of the U.S. Department of Agriculture states that "excessive dwell time in the range of 130° F (54.4° C) to 80° F (26.7° C) is especially hazardous... cooling between these temperature control points should be as rapid as possible."

The rapid continuous cooling of patented Lyco Chill-Flow reduces the likelihood of bacterial growth and improves shelf life.



## PRESSURE-FLOW®

### CONTINUOUS PRESSURE-FLOW® COOKER

- Cooks variety of products including dry beans, dry corn, hominy, lentils, rice and more
- Can produce "fully" cooked dry beans without retorting
- Reduce process time by up to 40%
- Reduced process time means lower energy costs and higher productivity



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# HIGH-EFFICIENCY SCREENS



## WASTEWATER

### DOUBLE-DRUM WASTEWATER SCREEN

- 250 to 3,000 GPM capacities
- Most efficient screen made
- Traveling spray minimizes blinding
- Saves thousands of dollars of water
- Screens to .020 in. (.508 mm)
- One Drum economy model available for medium duty applications
- Lifetime guarantee on Running Rings



## MICRO DRUM

### MICRO DRUM SCREEN

- Removal of fine particulates .005 in. (.127 mm) to .008 in. (.203 mm)
- Waste water pre-treatment after primary and secondary screening
- Rapid ROI payback in product recovery, lower waste treatment costs, and chemical savings

#### SUGGESTED APPLICATIONS



PASTA

DRY BEANS

PROTEINS

VEGETABLES

RICE

POTATOES

MEAT  
PROCESSING

WASTEWATER



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## STATIONARY

### STATIONARY SCREEN

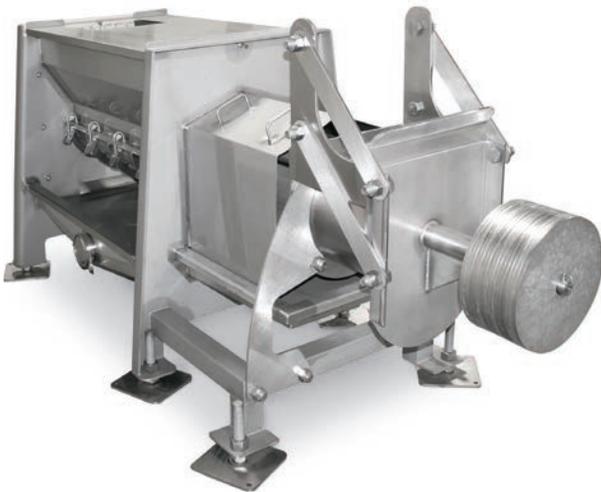
- 220 to 1,200 GPM capacities
- No moving parts
- No maintenance
- Screens to .060 in. (1.524 mm)
- Tilt Screen option for cleaning



## ZERO MAINTENANCE

### ZERO MAINTENANCE SCREEN

- 1,000 to 1,200 & 1,500 GPM sizes
- 15 in. (38.1 cm), 24 in. (60.96 cm) & 48 in. (121.92 cm) diameter screens
- Low maintenance simple design
- UHMW main running rings



## SCREW PRESS

### SCREW PRESS

- 2,000 to 10,000 PPH capacities
- Perfect for green bean waste
- Reduces waste trucking by 50%
- Eliminates water on the roads

#### SUGGESTED APPLICATIONS



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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](http://www.LycoMfg.com)



Lyco Manufacturing, Inc.  
115 Commercial Drive, P.O. Box 31  
Columbus, WI 53925

P: 920-623-4152

F: 920-623-3780

E: [sales@lycomfg.com](mailto:sales@lycomfg.com)

[www.LycoMfg.com](http://www.LycoMfg.com)