



**LYCO**  
*Manufacturing, Inc.*

THE *EXPERTS* IN INNOVATIVE  
FOOD PROCESSING MACHINERY

**DOUBLE DRUM SCREEN**

# DOUBLE DRUM SCREEN

FOR MORE THAN 50 YEARS, LYCO MANUFACTURING HAS BUILT A GLOBAL REPUTATION FOR DESIGNING AND BUILDING INNOVATIVE FOOD PROCESSING MACHINERY.

WASTE WATER SCREENS WERE FIRST DEVELOPED AT LYCO IN THE EARLY 1990S.

Removing both large solids and fine, sand-like particles in **one pass** dramatically reduces the volume of solids in sewage systems. The .080 inner drum separates the smaller solids, which reduces the load on the .020 outer drum.

More than 1,300 satisfied, repeat customers of Lyco's wastewater screens enjoy the proven efficiency of this double-screen process in one machine.



60 in. (154.4 cm) Diameter x 84 in. (203.2 cm) Long Cylinder



This photo of diced potatoes shows how the inner .080 in. screen retains larger particles so the .020 in. outer screen can operate more efficiently with less loading.

A TRULY  
SUSTAINABLE  
SOLUTION!

## BENEFITS:

- Less machinery with reduced maintenance
- Reduces solids (both large and fine)
- Use less chemicals in post-water treatments
- Less complex and easier to clean in place
- Reduced water usage and keep screens open
- Reduces BOD and total suspended solids

## WHY IS THIS THE BEST SCREEN ON THE MARKET?

### 1. PRECISION MANUFACTURING

Lyco's 80,000 square-foot plant is filled with state-of-the-art machinery run by skilled tradespeople. Our quality control laboratory and lean manufacturing operation are second to none.

### 2. WEDGE-WIRE

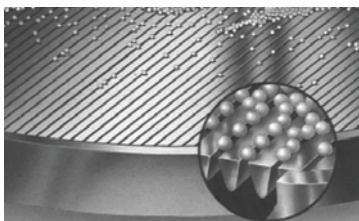
All of Lyco's screens are built as wedge-wire, which is more structurally sound and less apt to plug.

### 3. PATENTED TRAVELING SPRAYS

Our traveling water sprays reduce water usage and make cleaning much easier.

### 4. THE LONGEST LASTING SCREEN ON THE MARKET

With more than 1,300 Lyco screens in use since the 1990s, not a single running ring has failed on its own. We design and build our machines more ruggedly to run reliably for years.



### RUGGED RELIABILITY

Triangular shaped wedge wire is far less apt to plug than sheets that are perforated.



### ELIMINATE BINDING

Lyco's patented traveling spray further reduces plugging and binding, and uses only 10 GPM.



### RINGS NEVER FAIL

Our unique, cast stainless steel rings won't fail like rolled and welded designs.

## DOUBLE DRUM SCREEN DRUM SIZE:

Drum Size (Diameter x Length)	Average Gallons Per Minute*	Average Liters Per Minute*
60 in. (152 cm) / 42 in. (107 cm) x 168 in. (427 cm) long	2,250 - 3,000	8,505 - 11,340
60 in. (152 cm) / 42 in. (107 cm) x 126 in. (320 cm) long	1,500 - 2,250	5,670 - 8,505
60 in. (152 cm) / 42 in. (107 cm) x 84 in. (213 cm) long	1,000 - 1,500	3,780 - 5,670
48 in. (122 cm) / 36 in. (91 cm) x 120 in. (305 cm) long	1,000 - 1,500	3,780 - 5,670
48 in. (122 cm) / 36 in. (91 cm) x 96 in. (244 cm) long	1,000 - 1,200	3,780 - 4,542
48 in. (122 cm) / 36 in. (91 cm) x 72 in. (183 cm) long	500 - 1,000	1,890 - 3,780
36 in. (91 cm) / 24 in. (61 cm) x 60 in. (152 cm) long	250 - 500	945 - 1,890

\* Can vary according to individual application



## NEW SMM(S)-SMART MACHINE MONITORING SYSTEM

- Newest technology called SMM(S) or Smart Machine Monitoring (System)
- This allows user's to monitor the trunnions and chain status for the Lyco single & double drum internally fed screens wastewater screens
- This system can detect failures even before they cause a downtime situation or catastrophic failure.
- This will save costly down time and help keep your Lyco screen running trouble free.



CHAIN SENSOR



TRUNNION SENSOR

Located at each trunnion is a sensor. If the sensor is not detected or running, a light on the main panel will indicate which trunnion is not rotating. The chain also has a sensor, if the chain is not detected within normally operating condition, a light on the panel will indicate it's not tightened to the proper tension



LOCAL PANEL WITH LIGHTS

Feather Screen Plant 1				
Chain Tension Ala...	Discharge Left Tr...	Discharge Right T...	Infeed Left Tran...	Infeed Right Tran...
false	70.0035	43.773254	27.614138	27.610325

Meat Screen Plant 1				
Chain Tension Ala...	Discharge Left Tr...	Discharge Right T...	Infeed Left Tran...	Infeed Right Tran...
false	74.617584	74.35866	29.092321	29.121971

As an option notifications can be sent via e-mail right to your phone when connected to the internet.

### SUGGESTED APPLICATIONS





THE **EXPERTS** IN INNOVATIVE  
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## 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 experts 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)

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