



LYCO
Manufacturing, Inc.

THE **EXPERTS** IN INNOVATIVE
FOOD PROCESSING MACHINERY

DOUBLE DRUM SCREEN



DOUBLE DRUM SCREEN

LYCO MANUFACTURING, INC. HAS MORE THAN 50 YEARS OF EXPERIENCE MAKING FOOD PROCESSING MACHINERY WITH A WORLDWIDE REPUTATION FOR DESIGNING AND BUILDING INNOVATIVE MACHINES.

WASTE WATER SCREENS WERE FIRST DEVELOPED AT LYCO IN THE EARLY 1990S.
Waste streams most often contain both large solids and fine sand-like particles. Being able to remove both items in one pass dramatically reduces the volume of solids that end up in city or private waste sewage systems.

SMALLER PARTICLES ARE SEPARATED FROM LARGER ITEMS IN THE .080 IN. INNER DRUM.
This reduces the load on the .020 in. outer drum making it more efficient.

THE EFFICIENCY OF SOLIDS REMOVAL SCREENING TWICE IN ONE MACHINE IS IMPORTANT.
450 satisfied, repeat customers of our Rotary Drum Waste Water Screens, attests to the value of our designs.



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

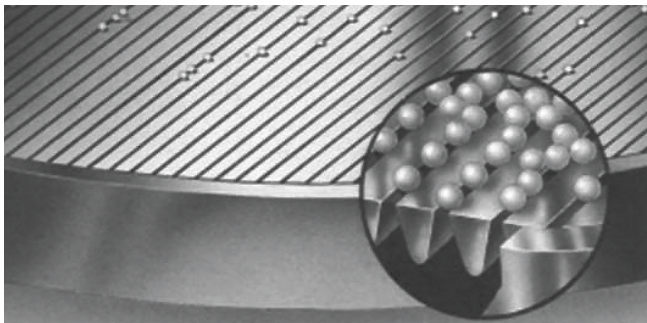
SUGGESTED APPLICATIONS



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, MODERN MACHINERY. This includes the latest high speed Lasers, Punch Presses, Robotic Welders, and Precision Brake Presses. We have and maintain a precision Quality Control Laboratory and a Lean Manufacturing Operation second-to-none.



2. WEDGEWIRE SCREEN CONSTRUCTION

THIS CONSTRUCTION IS USED IN ALL OF OUR SCREENS.

This is more structurally sound than perforated sheet metal and is less apt to plug since the space between the wires increases after passing through the narrowest point.



3. PATENTED TRAVELING SPRAYS

WEDGEWIRE SCREENS CAN PLUG, BUT ARE MUCH EASIER TO CLEAR WITH TRAVELING WATER SPRAYS.

As a result the inner drum receives the total flow of solids. Intermittently running one spray can reduce water usage through a nozzle sized for 10 GPM. This equates to considerable savings versus utilizing multiple nozzles in a stationary manifold.



4. THE LONGEST LASTING SCREEN ON THE MARKET

OF THE 450 SCREENS IN USE SINCE THE EARLY 1990S, NOT A SINGLE RUNNING RING HAS FAILED ON ITS OWN. We fabricate our Lyco machines with thicker laser cut plates and heavier wall tubing than our competitors. We strive for an accurate and stable base upon which moving components rotate. Lyco is the only company that makes running rings of 5/8" cast stainless steel. Lyco screens run like a clock which increases trunnion life, bearing life, and running ring life.

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



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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 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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