

LYCO
Manufacturing, Inc.

THE *EXPERTS* IN INNOVATIVE
FOOD PROCESSING MACHINERY

DOUBLE-DRUM SCREEN



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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" Inner Drum. This reduces the load on the .020" 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 Diameter x 84 in 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

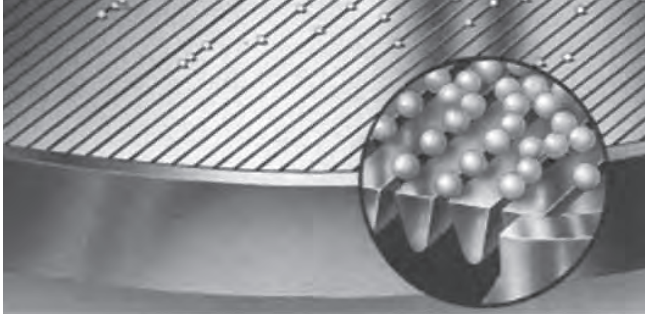


PASTA DRY BEANS PROTEINS VEGETABLES RICE POTATOES MEAT PROCESSING WASTEWATER

WHY IS THIS THE BEST SCREEN ON THE MARKET?

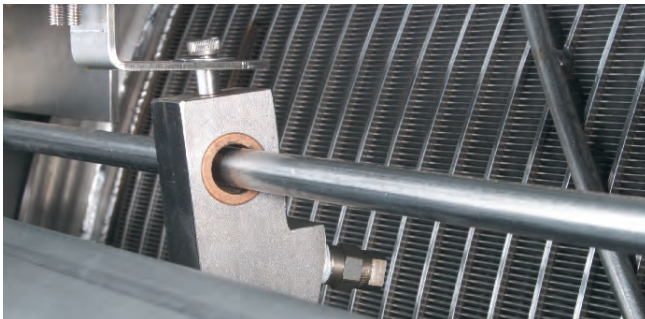
1. PRECISION MANUFACTURING

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. WEDGE-WIRE 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

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



* Can vary according to individual application

Lyco Manufacturing, Inc. offers a full line of world-class food processing equipment including:

- Peelers/Washers/Scrubbers
- Green Bean Equipment
- Wastewater/Process Screens
- Blanchers
- Cookers
- Pasteurizers
- Coolers



**THE EXPERTS IN INNOVATIVE
FOOD PROCESSING MACHINERY**

Lyco Manufacturing, Inc. is a recognized world-leading manufacturer of commercial food processing machinery. With over 50 years of experience, we have developed some of the most innovative, state-of-the-art processing machines in the world. We work with vegetables, pasta, rice, poultry, and hot dogs. Founded in 1980 by owner and Chairman of the Board, David R. Zittel, Lyco Manufacturing is based in an 80,000 square foot facility located northeast of Madison, Wisconsin, USA.

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