

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.

Lyco Manufacturing, Inc.

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THE **EXPERTS** IN INNOVATIVE
FOOD PROCESSING MACHINERY

FAMILY OF SCREENS



THE LYCO SCREEN STORY

Lyco Manufacturing, Inc. has more than 50 years of experience manufacturing food processing machinery and screens. Our focus has always been on innovation to make better, more rugged machine designs with fewer replacement parts. Lyco screens are widely used across North America.

STATIONARY SCREENS

These screens were first developed in 1983, for simple dewatering and easy waste water applications.

BENEFITS:

- Requires no utilities
- Zero maintenance
- Easy open screen options
- Easy to clean



ROTARY DRUM SCREEN

Lyco developed Rotary Drum Screens in the late 1980s, to more effectively handle larger items as well as particles as small as fine sand. Occasional plugged material is removed fairly easily.

BENEFITS:

- Capacities up to 3,000 GPM
- Long-lasting designs
- Easily handles over-feeding
- Low maintenance



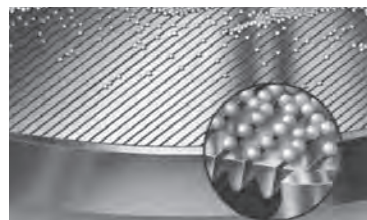
DOUBLE DRUM SCREENS

Developed in the early 1990's, Double Drum Screens are capable of screening waste water twice in one pass. The inner drum removes solids as small as .080". Separating this load from the smaller particles makes the outer .020" screen operate with increased efficiency.

Wedge-Wire Screens, Travelling Sprays, and Never-Fail Running Rings make these the most effective and reliable screens made.



DOUBLE DRUM SCREEN ACTION



1. WEDGE-WIRE

The Wedge-Wires triangular shape is very robust, making it less apt to plug than perforated materials.



2. TRAVELING SPRAYS

Any screen can plug, but Lyco's Wedge-Wire Screens are easily unplugged with Traveling Sprays. These sprays use less than 10 GPM.



3. NEVER-FAIL RINGS

Cast stainless steel running rings have never failed by themselves. There are 400 units in use since the 1990's.

WATER REUSE SCREENS

A perfect example of an environmentally friendly system. Water Reuse Screens can save millions of gallons of water each year by simply using the water twice in poultry plants along with dozens of other applications.

BENEFITS:

- 15" and 24" Screens can save 150 to 300 GPM. (Saving 150 GPM, 20 hours a day, 300 days a year, will save 54 million gallons of water)
- Based on water costs of \$3.50 per 1,000 gallons, the savings would be \$189,000 a year, **less than a six month return on investment.**



.008 IN MICRO DRUM SCREEN

Reduce the amount of solids going into city waste and food plant systems.

These screens are used after .020" waste water screening and can remove 30% more solids and small particles as fine as sand.

BENEFITS:

- Peace of mind from over 32 years of Lyco screens in use.
- Mechanically, the simplest "fine" screen on the market
- Proven as a rugged, low maintenance design
- Lower waste water handling costs
- Capable of recovering saleable materials



ZERO MAINTENANCE SCREEN

Designed to eliminate trunnions and roller bearings, while reducing up front costs and daily lubrication. Lyco has used this basic design with 15" and 24" diameters for years. This experience has allowed us to make Zero Maintenance Screens as large as 48" in diameter.

BENEFITS:

- Lower purchase price
- Reduced maintenance and sanitation costs
- Recognized as a more sanitary design



Lyco has extensive product experience with a total of 1,200 screens.

SUGGESTED APPLICATIONS

