



**THE EXPERTS IN INNOVATIVE
FOOD PROCESSING MACHINERY**

Lyco Manufacturing, Inc. is a world-leading producer of commercial cooking / cooling equipment for industrial food processors. Extensive application experience and process knowledge of the food industry is used in our innovative machinery designs. Lyco focuses on improving our customer's production processes and return on investment. Lyco's passion is developing the best customer aligned innovative food processing machinery in the world using lean manufacturing principles. 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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ZERO MAINTENANCE

WASTEWATER/PROCESS SCREEN



SUGGESTED APPLICATIONS



ZERO MAINTENANCE

WASTEWATER/PROCESS SCREEN

Lyco Manufacturing takes reliability to the next level with its Zero Maintenance Screen design, eliminating trunnion wheels and bearings. The maintenance-free design removes the need for routine lubrication of the bearings. Lyco is known for making the most robust rotary screens in the industry. The company provides

a lifetime warranty on its cast stainless steel running rings. With more than 600 screens in operation, not one cast stainless steel ring has failed on its own. As with any machinery, chain and sprocket drive systems still require routine maintenance to ensure optimal performance.

BENEFITS & THINKING GREEN

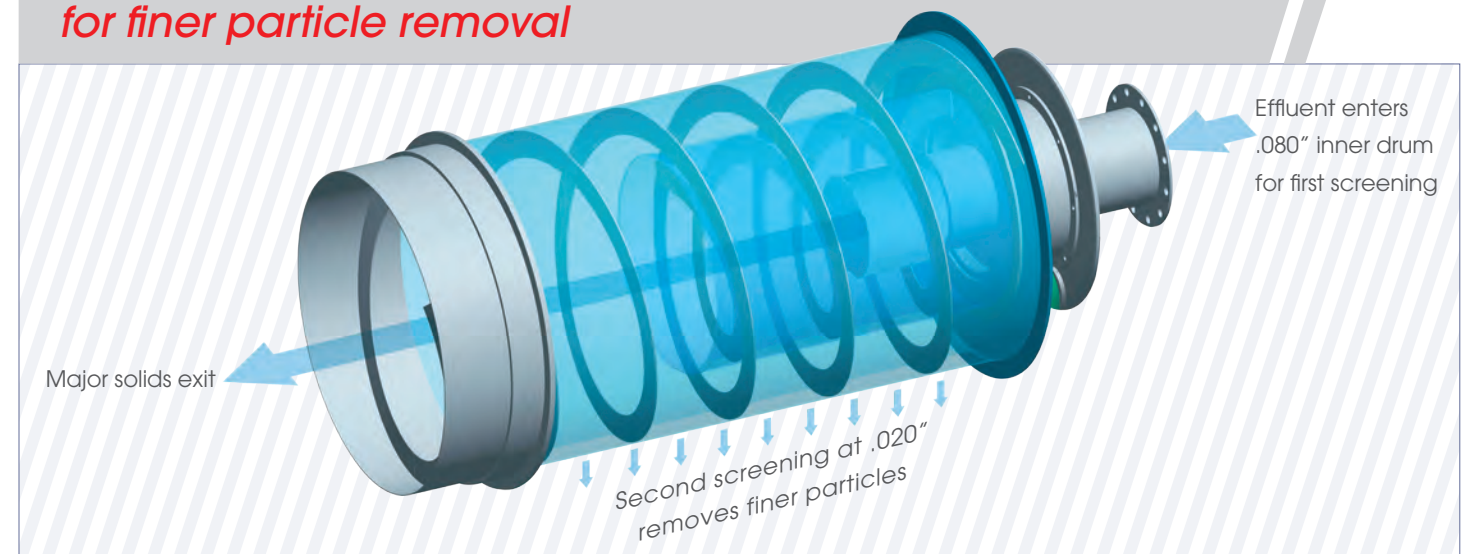
- Simple screen and unibody design for long-lasting, trouble-free unit
- Cleaner discharge
- Saves labor costs
- Thermoplastic main bearings eliminate lubricants
- Clean-in-Place systems stop blinding
- Reduces level of solids, fats, oils, BOD and TSS
- Lowers chemical usage in post water treatment
- Cuts industrial waste and creates a secondary revenue stream



HOW IT WORKS

As effluent is fed into the .080" inner drum screen, smaller particles pass through to the finer .020" outer screen. Removing larger particles first, makes finer particle removal more effective.

Two single screens can be coupled into a double screen for finer particle removal



SIZING REFERENCE CHART

Inner drum at .080"/10 mesh (increases efficiency of outer drum considerably)

	CYLINDER DIAMETER X LENGTH	GALLONS PER MINUTE	LITERS PER MINUTE
Single Drum Screen Spacing is .020"/32 Mesh	15" x 48"	80 to 125	303 to 475
	24" x 60"	125 to 300	475 to 1,136
	24" x 72"	300 to 420	1,136 to 1,590
Double Drum Screen 48" screens may have a second inner drum at .080"/10 mesh, which increases efficiency of the outer drum considerably.	48" x 72"	420 to 1,000	1,590 to 3,780
	48" x 96"	1,000 to 1,200	3,780 to 4,542
	48" x 120"	1,000 to 1,500	3,780 to 5,670