

ROTARY TROMMEL SCREENS

Rotary Trommel Screens utilize a continuous tumbling action to size and separate feed material. With installations in a wide variety of applications, Rotary Trommel Screens are used in mineral processing, municipal solid waste and other industrial processes. They are ideal for separating and washing ores, rock, sand and fine materials, as well as providing accurate size separation of difficult to screen materials.

A Safe, Easy-to-Maintain Design

Cylinder covers on Rotary Trommel Screens are sectionalized with inspection doors. When maintenance is required, internal cylinder access can happen through an optional overs chute. Specifically designed safety features on Rotary Trommel Screens also include an optional mast system to remove screen panels, optional inching drives, and a cylinder jacking and brake system for maintenance periods.

Manufactured for Simple Operation

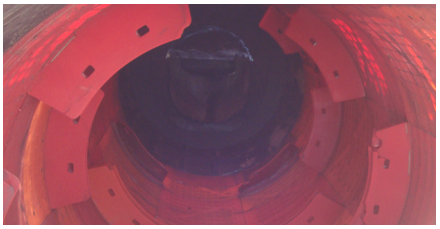
McLanahan's manufacturing technique is key in ensuring simple operation of Rotary Trommel Screens. Each cylinder is machined to be perfectly concentric. The way McLanahan manufactures its trunnion roller base bearing pads provides roller alignment and assures that trunnion roller shafts are parallel and square.

Engineered for Maximum Efficiency

Rotary Trommel Screens are capable of performing two actions – sizing and separating – by utilizing one machine. As the drum rotates, raw feed material is lifted on shelves until it nears the top of the drum. Material then falls, tumbling onto itself and the material at the bottom of the drum, helping to break down softer materials and separate different types. As the tumbling continues, smaller pieces of material filter through holes in the screen plating while larger material continues along the length of the cylinder to the discharge end. Rotary Trommel Screens can come equipped with a variety of screen media, including AR steel plate, wire cloth, polyurethane and rubber. For Rotary Trommel Screen units that are larger than 10' in diameter, McLanahan conducts a finite element analysis of a design prior to manufacturing to ensure the best design for a customer.



Rotary Trommel Screens are used in mineral processing, MSW and other industrial processes



Smaller pieces of material filter through screen openings and larger continues to the discharge end



Rotary Trommel Screen cylinders are perfectly concentric, eliminating vibration and wobbling

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