



Specialized Drum Separator Designs

TOP: A customer had a problem where 30 Tons of Foundry Sand per hour flowing through a 10" diameter chute was contaminated with weakly magnetic metal particles. Because of the heavy contamination and weak magnetic property, a combination of a Rare Earth Drum Separator and a Rare Earth Self-Cleaning Drawer-In-Housing was manufactured. This allows the sand to be continuously cleaned as it runs through the Drum/Housing combination.

MIDDLE: An example of the custom options available for our drum separator units. This unit has both custom inlets and outlets allowing it to fit perfectly in the customer's existing equipment line where it was designed to separate ferrous metal from other materials destined to be recycled. The ferrous metal discharges through one outlet to be collected and recycled while the remaining product discharges through the second outlet and continues down the line to be further separated.

BOTTOM: This Dual Drum Separator unit is designed for a one-stop ferrous metal separation solution. The top drum unit contains a Ceramic Magnet Circuit ideal for capturing and separating large ferrous metal objects such as nuts and bolts. The bottom unit has a powerful Rare Earth Magnetic Circuit to capture any remaining ferrous metal fines that may have made it past the Ceramic Circuit giving this unit complete ferrous metal separation coverage. Each drum's magnetic circuit can be adjusted independently and a single motor operates both drums. Transparent access doors/view ports allow for maintenance and quality control.

For More Information On Drawer-In-Housings and Drum Separators See Techsheets **TG-03B** & **TG-10A**.

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