



## ***Suspended Electromagnet from Eriez® Helps Quality Castings Purify Reclaimed Sand and Capture Tramp Metal for Re-casting***



Eriez™ Self-Cleaning SE Model 7525 at Quality Castings



Eriez® Suspended Electromagnet 7000 Series

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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### **Problem:**

[The Quality Castings Company \(QC\)](#)

purchases sand from the Lake Michigan area and then adds clay, water and other ingredients to give the sand a high bonding strength, which makes for an excellent mold. During the pouring process, some molten metal lands on top of the sand mold and spreads out like a puddle of water and solidifies into tramp metal.

### **Solution:**

[Eriez™ Self-Cleaning Suspended](#)

[Electromagnet Model 7525](#) helps capture tramp metal as the sand goes through the shake-out stage after casting. The captured sand is then reclaimed for mold-making, while the separated tramp metal is re-melted and poured into new castings.

### **Result:**

The Eriez SE Magnet effectively pulls tramp metal from the sand, enabling QC to re-melt it for another turnaround. Furthermore, with the Eriez SE Magnet in place, downstream equipment is protected. QC management reports that the Eriez SE Magnet is reliable and trouble-free.

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