

# ⊗ Gradmatic® Equipment ⊗

## Refractory Installation System for coreless induction furnaces

Capitalizing on foundry efficiencies and profitability begins by forming the most reliable furnace liner to melt your metals. This requires the use of cutting-edge technology to line coreless furnaces. Our innovative Refractory Installation and Vibration System automates the installation of dry-vibratable refractories to promote longer refractory life, reduced labor costs and improved environmental workplace conditions. The result? Cost effective castings.

Gradmatic manufactures systems for furnaces with a form diameter of 20 inches or larger.



### **Refractory Installation System**

Distributes dry refractory consistently and evenly while simultaneously forking the material to produce a denser lining. Denser sidewall lining promotes longer refractory life and higher productivity. The system reduces labor hours and airborne dust compared to conventional relining methods.



### **InstaCentr® Form Centering**

Furnace form spacing tools are designed to quickly and accurately center the form within the furnace in a matter of minutes.



### **Bottom Vibrator Plate**

Vibrates the entire bottom of the furnace in one operation from the furnace deck in 12 minutes producing a solid knit base.

### **Electric Vibration**

Each leg is equipped with a vibrator pressed against the internal form to deliver equal distribution of force impact. Vibration is concentrated in the tapered section. Entire sidewall compaction is completed in 12-16 minutes.



**GRADMATIC  
EQUIPMENT  
INC**

### **A complete furnace lining solution.**

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