

# Integra Castings

**ISO 9001:2008 certified  
gray & ductile iron foundry  
with the ability to melt,  
mold, and core  
a wide variety  
of materials.**

Integra Castings high production No-Bake line can produce castings up to 1,000 lbs. Our large no-bake line produces 1,000 to 4,000 lbs castings with excellent dimensional stability.

As an added quality improvement process, **Integra Castings** filters all poured metal to remove any non-metallic inclusions detrimental to machining and casting integrity.



## Melting

- Two Inductotherm coreless induction furnaces have the capacity of 130,000 lbs poured per day.

## Molding

- No-bake continuous mixer complete with power roller conveyor; roll-over draw and mold manipulators for producing castings weighing up to 1000 lbs.
- No-bake continuous mixer utilizing flask molding system for producing castings weighing 1000 to 4500 lbs.
- 20 ton/hr shakeout and sand cooler
- 3 ton/hr thermal sand reclamation unit



**INTEGRA CASTINGS**



**THE  
CTD  
GROUP**



MANUFACTURING



INTEGRA CASTINGS



MACHINE WORKS



CONTRACTING



## Core Making

- No-bake continuous mixer for large close tolerance coring. Complete with automated loop and rollover for larger core boxes
- CB-22 Cold Box core machine

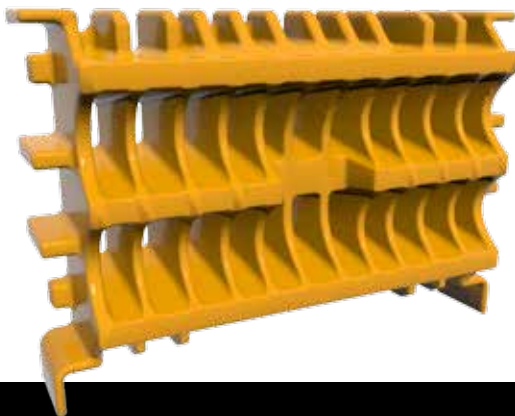
## Materials we are able to cast at Integra Castings

- Variety of Gray Iron, ranging from Class 20-Class 50
- 60-40-18: a ferritic grade material with high elongation
- 65-45-12: a standard ductile iron used for structural castings
- 80-55-06: ideal where higher tensile and wear resistance is required
- 100-70-03: the best choice for high tensile strength requirements, including gears and splines for structural castings
- Austempered Ductile Iron

## Quality Assurance

- Spectro Spectrometer analysis
- ISO 9001:2008 certified
- Electro-Nite and Leeds and Northrup quick lab metal analysis
- Chemical verification by outside lab
- Physical test bars analysis by outside lab
- Sand lab analysis
- Statistical Process Control throughout the manufacturing process, including:
  - Base metal chemistry
  - Final metal chemistry
  - Mold testing
  - Ultrasonic testing
  - Poured metal verification
  - Brinell hardness testing
  - X-Ray testing by independent lab

*All necessary documentation can be supplied to support customer requirements.*



**THE  
CTD  
GROUP**

