

Integra Castings

**ISO 9001:2015 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



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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 9001:2015 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.



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