



FOUNDRY SERVICES

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FOUNDRY CAPABILITIES

NON-FERROUS SAND CASTINGS

METAL-TREATING SERVICES

Heat treating
Powder coating
Anodizing

PATTERN SERVICES

New custom patterns
Pattern repair
Pattern storage

(Each pattern is photographed and numbered in a unique location)

ALUMINUM ALLOYS

COPPER, BRASS & BRONZE

High copper alloys
Red & yellow brass
Aluminum bronze
Nickel bronze
Silicon bronze
Phosphor bronze
Manganese bronze
Bearing bronze

CASTING & POUR CAPACITY

Aluminum: 600 lbs
Copper, brass & bronze: 400 lbs

ALUMINUM ALLOY "PINK SHEET" CLASSIFICATION SYSTEM

ALLOY SERIES	PRINCIPAL ALLOY ELEMENT
100 series alloys	99% minimum aluminum
200 series alloys	Copper
300 series alloys	Silicon & magnesium, silicon & copper, or silicon & magnesium & copper
400 series alloys	Silicon
500 series alloys	Magnesium
700 series alloys	Zinc
800 series alloys	Tin

(600 series and 900 series are not currently in use.)

Source: American Foundry Society, Engineered Casting Solutions, 2006 Casting Source Directory

MACHINE SHOP CAPACITY

Turning and milling	72" diameter / 31' length
Press work	300 tons
Dynamic balancing	10 tons
Welding	MIG, TIG and submerged arc

ELECTRIC MOTOR REPAIR

Winding	AC to 5,000 HP / DC to 2,500 HP
Burnout	72" w x 96" d x 81" h
Vacuum pressure impregnation	4' diameter (larger outsourced)
Bake	72" w x 240" d x 72" h
Load test with detailed reporting	4160V / 300 KVA / Servos / DC to 300 A