



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)

CASTING SIZES

Up to 60" L x 60" W x 36" H

COPPER, BRASS & BRONZE

High Copper Alloys
Red & Yellow Brass
Aluminum Bronze
Tin Bronze
Nickel Bronze
Silicon Bronze
Phosphor Bronze
Manganese Bronze
Bearing Bronze

CONTINUOUS POUR CAPACITY

Aluminum: 600lbs
Copper, Brass & Bronze: 150lbs

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 / 34' Length
Press Work	300 Tons
Dynamic Balancing	15 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