



SKULD

Alloy Capabilities

Additive Manufacturing

Evaporative Casting

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AMEC Alloy Capabilities

Demonstrated

Grey Iron – All US Standard Grades
Ductile Iron – All US Standard Grades
Steels – 1030, 1040, 1060, 8620, Blak OX
Stainless Steel 304, 316
Aluminum A356, A535 (aka Almag 35)
Brass – C84400
Commercially pure (CP) Copper

Current R&D

Stainless 316L	
Inconel 713c, 625, & 718	
Current Inquiries & Planned Trials	
4340 steel	
416 Stainless	
Invar	
Kovar	

Likely Feasible

All cast irons (grey, ductile, white, malleable, CGI)
Most steel alloys
All Copper alloys including brass and bronzes
All Aluminum cast alloys
Some Nickel cast alloys
Normally vacuum melted materials may be feasible but have properties somewhat less due to oxidation during melting/casting

Likely Not Feasible

Titanium
Magnesium
Very Low Carbon Steels (<0.015%)
VIM-VAR Steels