



FACTS

Alcoa Howmet, located in Dover, New Jersey, supplies vacuum- and air-melted, nickel- and cobalt-based superalloys to aerospace, gas turbine, medical and many other high-technology industrial markets. The 125,000 sq ft (11,250 sq m) facility houses state-of-the-art capabilities for the manufacture of high-temperature remelt stock.

Alcoa Power and Propulsion, a major business unit of Alcoa Inc. (NYSE: AA), is a global leader in airfoil and structural investment castings, forged structural parts, and forged aircraft wheels. Serving the aerospace, defense, energy and industrial markets, its products are primarily used in jet engines and industrial gas turbines. Additional value-added products and services include hot isostatic pressing, specialty coatings, research and development, supply chain management, specialty tools, molds, and machinery. With 29 production facilities, Alcoa Power and Propulsion employs more than 11,000 people worldwide.

PRODUCTS

Heat Sizes

- Vacuum barstock:
available in 3.5, 4.25, 5.5 and 7.25-in (0.09, 0.18, 0.14, and 0.19-m) sizes
- Airmelt (A.O.D.) barcast ingots:
available in 2.95-in (0.075-m) size

Alloys Poured

- Nickel- and cobalt-based alloy
- IN713, IN738, IN713 LC

- Mar-M 247
- GTD111, GTD222
- PWA1484
- René 80
- F75
- Stel 6, Stel 31, Stel 21, Stel 25
- Many turbine manufacturers' proprietary alloys

CAPABILITIES

Vacuum-Induction Melt Furnaces

- C Furnace: 15,000-lb (6,800-kg) capacity
- B Furnace: 6,000-lb (2,700-kg) capacity
- Z/A Furnace: 1,000 to 3,400-lb (450 to 1,550-kg) capacity

Air Induction Melt Furnace

- Argon oxygen decarburization barcast:
11,300-lb (5,100-kg) capacity

Quality Assurance

- State-of-the-art lab facility
- GDMS capability

CONTACT INFORMATION:

Alcoa Howmet

A division of Alcoa Power and Propulsion

10 Roy Street
Dover, NJ 07801

Tel 973 361 2310
Fax 973 989 5405

Contact:
Diane Lieberwirth – Sales Manager

CUSTOMERS

- General Electric
- Homogenous Metals, Inc.
- United Technologies:
Pratt & Whitney, United States
- Alcoa Howmet casting plants worldwide