



FACTS

Alcoa Howmet, located in Gennevilliers, France, specializes in aircraft and industrial gas turbine castings up to 900 mm (35 in) diameter in size with a cluster weight up to 70 kg (155 lb) and setting intricate and sophisticated parts in medium series.

The plant has been in operation since 1946 and occupies 3,162 sq m (34,036 sq ft).

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

Blades and Vanes for Aircraft Turbine Engines

- Sophisticated structural and integral parts for aircraft and industrial gas turbine engines

Alloys Poured

- Vacuum: IN713, IN100, Mar-M 004, IN718, IN738, IN939, Hastelloy X, C263, C1023, IN792, Mar-M 247, René 77, Hastelloy C, René 220, SEL1, GTD111, GTD222
- Air: X45, HS31, FSX414, 17-4PH, PE-10
- Many turbine manufacturers' proprietary alloys

- Steel and stainless steel alloys
- Cobalt- and nickel-based alloys

Inspections

- Full layout department
- Coordinate measurement machine
- Full metallurgical lab

CAPABILITIES

Manufacturing Processes

- Lost wax/investment casting
- Lost wax/investment plastic pattern

Equiax

Aircraft and industrial gas turbines

- Integral wheels, integral nozzles and stator compressors

- Small structural parts:
 - Heat shields
 - Hardware for aircraft hardware
- Medium structural parts:
 - Bearing housings/supports
 - Hardware for gas turbines (burners)

CONTACT INFORMATION:

Alcoa Howmet

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CUSTOMERS

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