



FACTS

Alcoa Howmet, located in Dives, France, is a leading European producer of superalloy investment castings for military, aerospace and commercial applications. Its products include turbine blades, vanes and turbocharger blades in superalloys and customer proprietary alloys. The facility, in operation since 1984, occupies 22,000 sq m (237,600 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

- Aero and industrial turbine blades, vanes and turbocharger blades

Alloys Poured

- Cobalt- and nickel-based superalloys
- Aircast mainly cobalt-based alloy
- Many turbine manufacturers' proprietary alloys

Certifications

- ISO9001 (versus 2000)
- Nadcap (NDT-HT)
- AS9100 and EN9100 (versus A)

Inspection

- Dimensional layout department
- Fluorescent penetrant inspection
- X-ray
- Metallurgical laboratory
- Coordinate measurement machine

CAPABILITIES

Casting Processes

- Vacuum, equiax, directional solidification and single-crystal
- Airmelt

Pattern Making

- Production and prototype wax patterns for investment castings

Other On-site Operations

- Heat treating, nondestructive test inspection, mechanical testing, chemical analysis, metallurgical laboratory, and cast modeling

CONTACT INFORMATION:

Alcoa Howmet

A division of Alcoa Power and Propulsion

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CUSTOMERS

- ABB Turbo System Ltd.
- Alstom (Switzerland) Ltd.
- Avio, SPA
- BHEL
- General Electric Oil & Gas
- MAN Diesel SE
- MAN Turbo, Ltd.
- MTU Aeroengines
- Snecma
- Techspace Aero, S.A.
- Turbomeca