



## FACTS

Alcoa Howmet, located in Hampton, Virginia, is a leading producer of complex investment cast turbine airfoils for the industrial gas turbine industry. It specializes in the investment casting of equiax, Mx<sup>®</sup> ultra-fine grain, directionally solidified (DS), and single-crystal (SC) blades, and single- and multi-vane segments for industrial gas turbine applications. The 500,000 sq ft (45,000 sq m) facility opened in 1974.

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

- Complex, investment-cast industrial turbine airfoils

## CAPABILITIES

Specializes in the investment casting of equiax, Mx<sup>®</sup> ultra-fine grain, directionally solidified (DS), and single crystal (SC) blades, and single- and multi-vane segments for industrial gas turbine applications.

- Airmelt alloy (equiax) pouring capacity: up to 400 lb (180 kg)
- Vacuum alloy (equiax) pouring capacity: up to 1,500 lb (675 kg)
- Vacuum alloy (DS/SC) pouring capacity: up to 300 lb (135 kg)
- Equiax, fine-grain and directionally solidified components: up to 34 inches (63.5 cm) in length
- Production of single-crystal components: up to 42 lb (19 kg)

## CONTACT INFORMATION:

### Alcoa Howmet

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## CUSTOMERS

- GE Power Systems
- Mitsubishi Heavy Industries
- Siemens
- Solar Turbines