

# Columbus Forge

**Produces disks, blades and other parts for the full range of Pratt & Whitney engines, including for next-generation commercial and military powerplants**

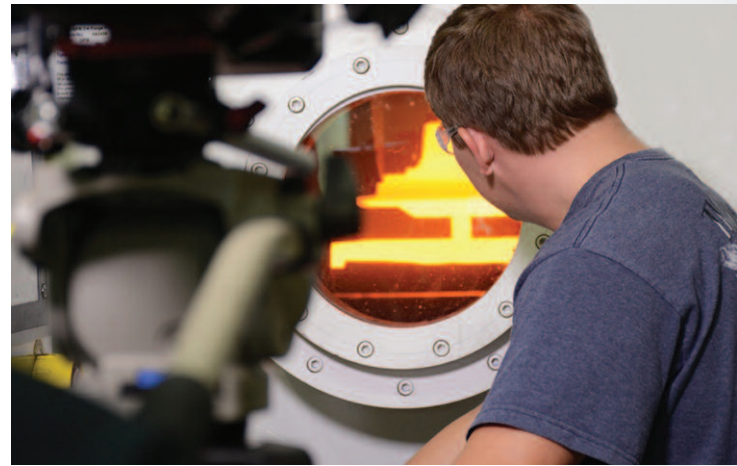


## Overview

- The Georgia site was built in 1984 as a Pratt & Whitney turbine disk and compressor airfoil manufacturing facility for F100 engine parts
- Columbus Forge produces disks, seals, rings, hub and blade forgings for all the company's engines – including the PurePower® Geared Turbofan™ commercial engines and the next-generation F135 power plant for the F-35 tactical fighter – as well as industrial gas turbines
  - Columbus Forge is Pratt & Whitney's U.S.-based source for isothermal forgings and post processing
  - Every Pratt & Whitney engine is dependent upon Columbus Forge isothermal forging and forging post processing products
  - Pratt & Whitney's ability to advance engine technology is made possible in part by an ability to rapidly develop high-temperature and high-strength super alloy
  - Columbus Forge's core competency is this unique isothermal forging process and its metallurgical development, a process based upon powder metallurgy and super-plastic forming technology developed and patented by Pratt & Whitney
  - Columbus Forge has developed a Dual Property Heat Treat Process that provides unique metallurgical properties necessary for next-generation jet engines, a Heat Treat Air Impingement Quench Process to improve uniform cooling for better process control and optimize mechanical properties, and next-generation super alloys for Pratt & Whitney's AETP turbine
- In 2014, Pratt & Whitney acquired Precision Components International and folded the business into Columbus Forge. The operation produces aircraft engine forged blades and vanes, as well as industrial gas turbine blades

## Relevant Facts

- Approximately 800 employees
- Columbus Forge Disks has participated at the Gold Level in the Columbus Partner in Education program with Northside High School - Engineering Magnet School, and reestablished a partnership with Double Churches Middle School through Columbus Forge Blades



**Pratt & Whitney**

A United Technologies Company

[www.pw.utc.com](http://www.pw.utc.com)