

Turbine Component Manufacturing Center

Customer's Industry and Application Details:

As a supplier for General Electric, a manufacturer of turbine engine components needed to replace an old cleaning system and needed to investigate new suppliers for the project.

They are required to adhere to the General Electric's strict procedures for cleanliness.

One of their big concerns was the ability to wash, rinse and dry the exterior and the interior of the part simultaneously to save time and speed the washing process. Their previous unit used a design that was only washing the exterior of the part.

The JRI Solution:

JRI's ability to wash the exterior and the interior of the part fell on the shoulders of the JRI engineering team. They were tasked with making a custom washer that would clean the part to a tight cleanliness specification and the part must exit the washer 100% dry.

With this large task at hand, the JRI team designed a washer that met all of the specifications needed to eliminate the need to rinse and blow the part out manually prior to the cleaning process. We were able to prove at the run-off our ability to maintain meet the specifications.

The old unit required the operator to manually blow-off the parts taking more time and presenting a consistency issue. JRI designed a unit tailored to the customer's part with a wash, rinse and heated blow-off. Each stage was run on the interior and exterior of the part by using a custom racking system and flushing manifolds that cleaned the interior of the part while spraying the exterior as well.



Focused Precision Cleaning

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