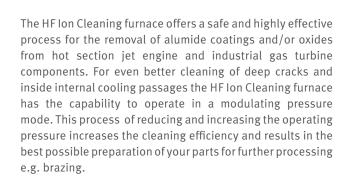


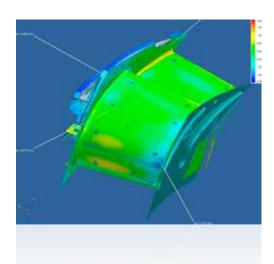
Fluoride Ion Cleaning component repair

HF ION CLEANING H2 HEAT TREATMENT CVD COATING Proper repair and brazing of hot section gas turbine and yet engine components requires clean parts. Electron's Fluoride Ion Cleaning (FIC) furnaces are used for the effective removal of protective oxides from the surface of high-strength Superalloys.

In the jet engine and industrial gas turbine components refurbishment business, brazing cracks in investment cast parts made of expensive alloys is required on a regular base. Hot section jet engine and industrial gas turbine components are damaged over time due to oxidation, sulphidation, hot corrosion, fatigue, or foreign object damage and complete cleaning of the parts and cracks is required to ensure proper brazing.

ELECTRON Thermal Processing Equipment offers the industry's most advanced cleaning and coating furnace equipment with the highest capacity amongst the industry.





The Fluoride Ion Cleaning furnace has a modular design and with a single work station and a separate, electrical heated bell furnace. Additional work stations can be added to perform other processes such as:

Hydrogen Fluoride Ion cleaning;

electron thermal processing equipment by

- Vapour Phase Aluminizing (VPA);
- Vapour Phase Chromizing (VPC);
- Chemical Vapour Deposition (CVD);
- Heat treatment under controlled atmosphere.

Superior design features, more than 25 years of experience in furnaces and heat technology, after market quality service and a growing list of satisfied customers makes ELECTRON the best qualified company to supply the HF Ion Cleaning furnaces and other thermal processing equipment that meets your requirements.