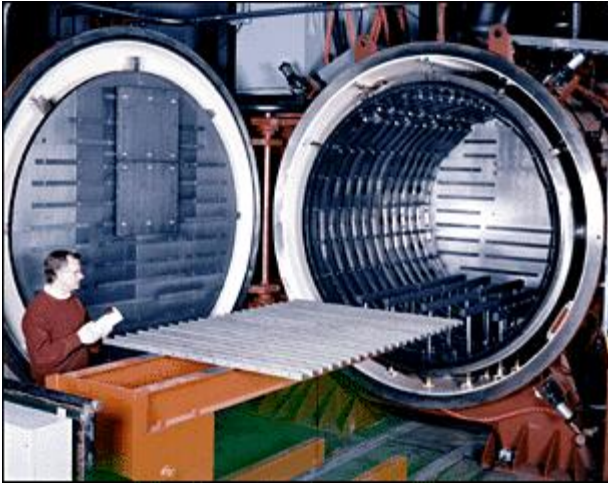


**INSTALLATION OF VACUUM FURNACE SOLVES LARGE WORK LOAD DILEMMA FOR BH AIRCRAFT**



VFS has delivered a large horizontal vacuum furnace to BH Aircraft Company, Inc. in Ronkonkoma, NY. BH Aircraft purchased the VFS HEQ-8484 model to allow for the heat treating of larger components.

BH Aircraft manufactures exhaust components for military and commercial jet engines. The components are made of high nickel based materials (Inconel) that are heat treated in vacuum furnaces. The new HEQ-8484 furnace features a graphite hearth with a weight capacity of 4000 pounds and a hot zone measuring 58" W x 52" H x 84" L, with an operating temperature range of 800° F to 2400° F.

The hot zone features continuous band molybdenum heating elements that surround the work load 360° to minimize distortion and provide excellent heating uniformity, +/- 10° F or better. The life of the hot zone is extended substantially by an insulation package that consists of three layers of 1/2" thick carbon felt with a .060" thick graphite foil hot face.

The vacuum furnace is controlled by a Honeywell Series 9000 Loop and Logic Controller. A Honeywell SCAN 3000 supervisory and data acquisition network, installed and configured by VFS, provides reliable monitoring and controlling of plant equipment and processes.

The HEQ-8484 furnace is BH Aircraft's third horizontal vacuum furnace purchase from VFS within the past 15 years.