GNB Company
Introduction
Quick Facts

• Located in Elk Grove, CA
• Founded in 1968
• Approx. 50 employees
• Production of Vacuum Valves and Vacuum Chambers
• Specialized in welding and machining of steel and aluminum
• Onsite Engineering
• ISO9001 certified
A Message from our President

Welcome, and thank you for your interest in GNB. GNB has been providing highly successful vacuum products for the worldwide scientific and industrial markets since 1968.

Our vision is that our customers will be so impressed that they say

“WOW! We’d like to do business with GNB again.”

Because of this, GNB will consistently grow in sales and profitability, and become renowned for the value we add to our products and services.

GNB values customers, partners, and employees who demonstrate positive and productive attitudes, enthusiasm for excellence, integrity, highly skilled work, professionalism, and community service.

Ken Harrison, P.E. GNB Corporation
GNB’s Production Facility

• 50,000 square foot (4,650 square meter) facility
• 5 Axis Waterjet 12’x8’ (3.6m x 2.4m)
• TIG and MIG welding of Aluminum, Stainless and Mild Steel
• 2 ASME CWI (certified welding inspectors) on site
• non-destructive testing (ultrasonic and Dye penetrant inspection)
• CNC machining up to 168”sq. (4267mm sq.) / turning 108” (2743mm)
• Bead blasting and plate graining in house
Built for Vacuum Production

- Helium Leak test is Standard for all components
- Bakeout and RGA available
- Cleaning equipment for vacuum components
- Partnership with local suppliers for chemical cleaning and electro polishing
- Assembly area is equipped with air filters to minimize product contamination
GNB Engineering

- 7 full time design engineers
- Solid Works 2016 CAD software
- FEM stress and deflection calculations
- Design of ASME pressure vessels (U-Stamp)
- Thermal Calculations
- Specialized in water cooling for high temp. valves and chambers
- Flow calculations
- Experts in value engineering to reduce costs of vacuum components
GNB Vacuum Valves

• Gate, Angle and Slit Valves
• Standard sizes from 4” (ISO100) to 72” (1.8m) available
• Custom valves up to 4meter diameter
• Stainless, Mild Steel and Aluminum construction
• Sealing technology from rough vacuum to UHV
• Water cooling features for high temperature processes
• Unique designs for harsh environments
• Pneumatic, Electric, Hydraulic and Manual actuators
GNB Chambers

• Small to very large chambers
• Built to print or completely engineered to specification
• Sealing surfaces are machined after welding
• Mild Steel, Stainless or Aluminum construction
• Water cooling options. (tracing, double wall)
• Different surface finishes (mill finish, blasted, grained, e-polish,..)
• Can be cleaned for UHV service
GNB Baffles and Cryo Products

- Multi Coolant Baffles
- Liquid Nitrogen traps
- Cold Traps
- Heat Shields
- Meissner Coils
GNB Vacuum Pumps

- GNB sells and services high value vacuum pumps
  - KYKY Turbo Pumps and Leak Detectors
  - GNB Dry Screw Pumps with and without Blower
  - Rotary Vane Pumps
Together we are strong!

King Lai
- Strong in Semiconductor
- Equipped for large quantity manufacturing of smaller components
- Manufacturing facilities in Taiwan and China

GNB
- Strong in Industrial Vacuum
- Specialized in smaller quantity and prototype manufacturing of larger components
- Manufacturing facility in California

www.advantorr.com
www.gnbvac.com
Together we are strong!

• GNB is responsible for the sales of King Lai Advantorr products in the USA.
• GNB Elk Grove will setup a test lab to support current and future King Lai and GNB projects
• GNB’s team of engineers and vacuum experts work with King Lai to improve current designs and develop new products
• King Lai will promote and sell GNB products in Asia
Questions?

Thank you very much for your attention!