 <p>GNB Corporation 3200 Dwight Road Suite 100 Elk Grove, CA 95758</p>	<p style="text-align: right;">D1620-5</p> <p>HUMAN RESOURCES Subject: Job Descriptions Revision: A Issue Date: 1/26/10</p>
<p>Reference ISO 9001: 2000 Human Resources</p>	<p style="text-align: center;">Page 1 of 2</p>


Design Engineer - Metal Processing

1.0 Description

- A. Designs product, performing stress and heat transfer analysis, designing the manufacturing tools and fixtures, training other engineers, in a metal processing environment.
- B. Works close with other engineers to support quick to market design, model, and create detailed drawing of primarily metal materials used in vacuum environments.
- C. Customer technical contact for product development, product support, design approvals
- D. Design cost reduction
- E. Energetic and enthusiastic worker
- F. Good organizer and experienced with drawing revision control and configuration management
- G. Creates highly productive, yet, very accurate work. Does it right the first time.
- H. Excellent communication skills and able to interface with customers and suppliers
- I. Willing to travel occasionally
- J. Job costing based on the technical requirements
- K. Specifying welding and machining procedures of stainless parts
- L. Other duties as assigned.

2.0 Knowledge

- A. 3D modeling products in Solid works, AutoCAD experience a plus
- B. Computer literacy in Microsoft Office and Excel
- C. Experience with metalworking and
- D. Knowledge of basic lean manufacturing techniques
- E. General metalworking processes
 - a) Cutting
 - b) Milling
 - c) Turning
 - d) Drilling and tapping
 - e) Water jet cutting
 - f) Filing
 - g) Grinding
- F. Joining processes
 - a) Welding
 - b) Brazing
 - c) Metal Prepping
 - d) Inspection

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2.0 Education and Experience:

- A. Engineering degree in Mechanical Engineering or related field, Metallurgy a plus
- B. High GPA at a reputable engineering school
- C. 3 years minimum experience doing mechanical design
- D. Experience with checking other people’s drawings
- E. Experience in the vacuum industry
- F. Experienced with finite element analysis for stress and heat transfer
- G. Experienced with mechanical assembly and machine design

4.0 Reporting:

- A. Reports to the Engineering Supervisor.

Date:	Revision Level:	Description of Revision:
1/26/10	-	Initial Release