

# Manufacturing Engineering Intern

## Position Description

Legrand has an exciting opportunity for a **Manufacturing Engineering Intern** to join the **Operations team** in **Farmingdale, NY**. This role will work closely with manufacturing engineers and site leaders to develop, implement, transfer, and maintain manufacturing processes required to meet the needs of the operation for both existing and new products.

### What Will You Do?

As an intern, you'll participate in developing competencies in a variety of manufacturing engineering specializations that may include:

- Research and determine requirements for new processes and systems
- Develop manufacturing process plans which meet all manufacturing requirements for safety, ergonomics, process capability, service, quality, and cost
- Promote lean manufacturing, participate in process improvement initiatives, identify improvement opportunities for safety, cost, ergonomics, quality, and process capability improvements
- Monitor quality of production and assure assigned processes can produce at or above required quality levels. Perform root cause analysis, take corrective actions, and design/implement engineered solutions when appropriate to maintain effective compliance
- Develop and document manufacturing methods. Plan and establish sequence of operations to fabricate and assemble parts or products to promote efficient utilization. Generate layout of equipment, materials, and workspace to illustrate maximum efficiency
- Design, improve, maintain, and implement processes (equipment, machines, fixtures, etc.) to meet operational needs through monitoring, feedback from manufacturing leaders, supervisors, maintenance activities, operators, and personal observation
- Build, analyze, and troubleshoot mechanical sub-assemblies and products
- Coordinate prototype testing with test engineering, ensuring that both product and documentation is correct and up to date
- Test prototypes and products for safety, performance, and conformance to requirements

## Qualifications

### Education:

- Actively enrolled in Master's/Bachelor's degree program in Mechanical/Manufacturing Engineering, from an accredited institution

### Required Skills/Knowledge/Abilities:

- Ability to work collaboratively on a team & have good communication skills both verbal & written
- Able to use standard measuring tools/equipment, hand tools, etc.
- Strong computer skills, word processing, presentation software and spreadsheets
- Provide own mode of transportation
- Able to bend, lift up to 40 lbs.

### **Desired Skills/Knowledge:**

- Mechanical and Manufacturing Engineering Skills sets, including mechanical drafting and 3D modeling. Knowledge of Solidworks is a plus
- Knowledge in sheet metal fabrication, punching, stamping, forming, and associated tooling is a plus

## **Company Info**

### **About Legrand**

Every single day, Legrand brings power, light and data to millions of spaces around the world. Legrand is a global, publicly traded company listed on the Euronext (Legrand SA EPA: LR) with 36,000 employees worldwide, a market cap of \$16B, revenue of more than \$5 billion, with products sold in 180 countries. Legrand is listed on the Forbes Global 2000 as one of the world's best employers. For more information, visit [legrand.com](http://legrand.com).

### **About Legrand North and Central America**

Legrand North and Central America (LNCA) employs over 5,000 associates in 60 locations, working in 6 product categories (Electrical Wiring Systems, Building Control Systems, AV, Data Communications, Power Distribution and Control, and Lighting).

### **About Legrand's Data Center Power and Control Division**

Legrand's Data, Power & Control (DPC) division is a global provider of award-winning technology and infrastructure products which serve the expanding requirements of today's data centers and related ecosystems. Our innovative products are principally sold under the Starline, Raritan, Server Technology, US Safety Trolley, and Legrand brand names. As a leading provider of best-in-class overhead power supply system's, intelligent PDUs, KVM switches, connectivity, cabinet and containment solutions, our goal is to support next generation technologies with flexibility for future growth and energy and installation efficiencies, united by superior design.