

**OPEN POSITION: Plant Engineer in Houston, TX**

**Responsibilities / Description for Plant Engineer Houston, TX**

**Scope:**

This position falls under the Masterduct Holding's business units (Masterduct Inc. & Flexmaster U.S.A.®) located in Houston, TX. Masterduct Inc. is a manufacturer of spiral hoses for a variety of industrial markets, and Flexmaster U.S.A.® is a manufacturer of insulated ducting and metal accessories for the commercial HVAC market. This is a shared position between the two business units and responsibilities are split 50 / 50 between each. The following list are the primary functions at each business unit:

**Masterduct:**

- Working with technical personnel, production personnel, and sales / marketing departments to develop products from extrusion manufacturing, hose welding, mandrel production and other areas. This consists of the sharing of information with the technical departments within the Masterflex Group.
- Experimenting with various polymers, such as polyurethane and thermoplastic elastomers, to improve existing products or to develop new ones for the North American market.
- Finding new coated fabrics for the mechanically-locked hose products. This process is also done in many other Masterflex locations and is a continuing research area for improved materials and alternate suppliers.

**Flexmaster U.S.A.®:**

- Drafting / Auto Cad. Designing sheet metal fittings and applying to drawings for production.
- Layout / pattern design – Working with the sales team to construct new sheet metal fittings. This does come with experience but a mechanical background will help the individual bring a concept to reality. This is a hands-on task requiring trial and error.
- Electrical – basic principles for equipment. It would be beneficial to have an understanding for PLC programming, timers, relays, power supplies, counters, and encoders as these are part of equipment used in daily operation.
- Plasma tables for cutting metal – working with the library of fittings and measurements given by the company to generate parts for equipment maintenance, sales, etc.

**Both Units:**

- Supporting, identifying and implementing process improvement initiatives for both facilities.
- Developing and supporting preventive and predictive maintenance efforts along with implementation of a process to sustain these efforts.
- Mechanical principles, including knowledge of lever and gear ratios: balancing loads, reducing stress, and minimizing wear and tear of equipment components.
- Trouble shooting equipment problem: mechanical principals and electrical knowledge will help maintenance personnel in understanding how to fix and repair equipment.
- Time studies for cost analysis: highly competent in math skills is a benefit.

**Other Responsibilities:**

- Supporting safe and reliable operation and maintenance
- Supporting internal and external audits.
- Participating in investigation of all incidents and drives corrective actions to completion.  
–Working on site action items from RCFA, Audits, etc.
- Developing, implementing, and improving standard operating procedures in operations and maintenance.
- Identifying and implementing opportunities to reduce costs.
- Executing process tasks within Budget and Schedule.
- Participating in meetings with departments to establish and coordinate weekly activities.
- Completing routine process engineering reports, studies, and calculations.
- Coordinating design criteria and details with other departments.
- Working effectively as a team player within both organizations.
- Ability to be on call after hours, nights, and weekends as business needs dictate.
- Performing other tasks as requested by Operations Manager

**Required Qualifications:**

- Bachelor degree in Engineering (Industrial or Mechanical Preferred).
- 3+ years of applicable experience in project engineering or operations engineering in industrial, automotive, aerospace or other related industries preferred.
- Demonstrated capability to work with diverse teams and achieve results.
- Familiarity with regulatory requirements for operating plants, including Process Safety Management, PSM, OSHA regulations, EPA regulations, state and local requirements.
- Able to use MS Office programs.
- Experience with operating DCS and PLC systems.
- Mechanical, process, and electrical aptitude; ability to troubleshoot production problems.

Bilingual preferred: English / Spanish or English / German



**Compensation:**

- Medical/dental coverage
- 401K plan with matching contributions
- Paid vacation

Email resumes to [orlando@masterduct.com](mailto:orlando@masterduct.com).