



## **Manufacturing Engineer**

**Reports to:** Engineering Manager

**Department:** Engineering.

**Division:** Midstate Machine – Ohio

### **Accountability**

This position contributes to the growth and profitability of Midstate Machine, by developing cost effective manufacturing plans based on customer design/specification requirements and information contained in the quotation package. In addition, is responsible for initiating changes to existing manufacturing processes required on behalf of either our customers or Midstate Machine to ensure compliance with current design and/or specifications or to enhance the overall economic performance of a given project.

### **Organizational Relationship**

The incumbent reports to the Engineering Manager, receiving advice, counsel and direction relative to the establishing and maintaining cost effective manufacturing plans that support Engineering Department goals. This position works closely with other members of the organization to provide assistance in handling operational needs of the business, particularly as they pertain to establishing and maintaining cost effective manufacturing processes.

### **Principal Accountabilities**

1. To ensure that customer specifications, design requirements and information contained within the quotation are considered in establishing the manufacturing plan.
2. Develops and/or reviews all routings (manufacturing plans), addressing the following issues:
  - a. whether or not to use multi-level routings
  - b. verifies sequence of operations
  - c. verifies dimensional information
    1. rough / grind stock
    2. tooling / reference dimensions
    3. additional items as appropriate



3. Establishes time standards that serve as the performance measurement for all manufacturing plans. These time standards are based on the following:
  - a. time standards relate to selling price, or real times if known from previous experience.
  - b. time standards may be reallocated from one operation sequence to another, as long as the overall relationship to the selling price remains the same.
4. Reviews all drawings for completeness and accuracy. In addition, investigates and acts on the following:
  - a. grind stock
  - b. reference dimensions / roll dimensions
  - c. metric to English conversion, if required (except threads)
  - d. decides if prints should be redrawn to Midstate Machine format or transformed into (operation sheets.)
  - e. communicates with customers to resolve open issues
  - f. additional items as appropriate
5. Reviews and signs off on all Midstate Machine drawn prints and operation sheets ensuring that:
  - a. information included is complete and accurate
  - b. dimensions from previous operations that may be needed are referenced
6. Ensures that the manufacturing plans are reviewed by Quality Planning prior to releasing the job to manufacturing.
7. Reviews customer generated engineering changes, and initiates changes to the manufacturing process as required.
8. Verifies and signs off on all changes or corrections on the following:
  - a. routing changes
  - b. process drawing changes
  - c. print reference or clarification
  - d. additional items as appropriate
9. Serves as liaison between Materials, Manufacturing, Engineering, Tooling, and Programming, communicating pertinent information to the appropriate parties.
10. Maintains a professional and personable relationship with vendors, customers and employees, being responsive to their needs, as well as the needs of the company.
11. Performs other duties as directed by the Engineering Manager.