

TITLE OF POSITION: Manufacturing Engineer
DEPARTMENT: Manufacturing
REPORTS TO: Manufacturing Manager

JOB PURPOSE:

General engineering responsibilities will include safe laser system operation and maintenance, part inspections, CAD drawing interpretation, quality assurance support, and support of laser system development, design, and software.

JOB DUTIES: (Include but are not limited to the following)

- Understand and apply all laser safety requirements for safe operation of the laser system, and all associated support functions of this process
- Develop knowledge in the fundamentals of laser technology
- Support and contribute to the ongoing design and development of laser system hardware, software, and fixturing requirements as may be required and directed
- Develop knowledge in the area of software manipulation, to program/assign tool paths for successful laser deposition applications as may be required and directed
- Develop written operating procedures that outline, define, and represent successful utilization of the laser system
- Perform pre-, in-process, and post-inspections of customer parts/components using portable CMM and laser scanner, as well as other traditional measuring devices and techniques. Maintain associated documentation
- Support the facilitation and maintenance of all required company documentation and record keeping as directed
- Perform Quality Assurance functions to support both the engineering and production functional areas
- Support internal cross-functional development by contributing to the ongoing maturation of the company's processes and procedures
- Support any special engineering projects as may be required
- Develop the required knowledge to support and contribute to the development and maintenance of the Quality Management System and any associated responsibilities, as directed
- Support the engineering responsibilities within a cross-functional management framework by effectively working and communicating with management and team members from all functional areas

EDUCATION AND EXPERIENCE:

A Mechanical Engineering, Metallurgical Engineering, or related engineering degree (BS) is required. Must have good, professional communication skills - both written and verbal. Other valuable skills include the following: excellent computer knowledge, multi-tasking, perception to details, organizational skills, and solid decision-making ability. Must be proactive and a team player.

Employee Signature: _____ Date: _____

Approved by: _____ Date: _____