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Job Title: Design Engineer, Medical
Department: Medical
Reports To: Director, Medical Business Development
FLSA Status: Exempt
Approved By: _____
Approved Date: 1/3/19
Revision: A

SUMMARY: This position is responsible for the creation and maintenance of product specifications for medical and laboratory components for Caplugs. The role is responsible for delivering NPD medical projects and commercializing products, which will result in increased sales and profit for the organization.

ESSENTIAL DUTIES AND RESPONSIBILITIES: Other duties may be assigned.

1. Responsible for efficient design coordination and timely completion of medical engineering projects.
2. Develop new products for the medical device components and labware markets.
3. Manage and lead cross-functional development projects to successfully commercialize new product on time and to budget
4. Communicates with colleagues of different departments to lead new projects and/or provide technical advice, plus interaction with vendors and external tooling suppliers
5. Capable to create new product designs to user requirements and specify tooling requirements
6. Determine and understand manufacturing requirements and ensure design capability.
7. Develop reports to track & monitor medical NPD projects.
8. Support the annual budget process in relation to project costs and resources.
9. Be a subject matter expert for new medical products.

Desired Qualifications and Abilities:

1. Bachelor's degree, emphasis in engineering, plastic materials and/or bioengineering preferred.
2. Minimum of five years of product development experience in manufacturing environment
3. Minimum of two years of project leadership experience with medical product
4. Strong project management skills, engineering acumen and analytical skills
5. Able to manage teams or work independently to solve problems and create new opportunities
6. Able to reason analytically, logically, and in a consistent fashion
7. Strong written and oral communication skills
8. Understanding of product development cycle for medical devices including experience with validation requirements
9. Understanding of plastic molding processes and manufacturing technologies required
10. Proficient in CAD, SolidWorks preferred, plus capability with Microsoft Project and Office Suite

QUALIFICATIONS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE: Bachelor's degree (B. A.) from four-year college or university; or zero to five years related experience and/or training; or equivalent combination of education and experience.

LANGUAGE SKILLS: Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations. Ability to write reports, business correspondence, and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the public.

MATHEMATICAL SKILLS: Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations. Ability to apply mathematical operations to such tasks as frequency distribution.

REASONING ABILITY: Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

CERTIFICATES, LICENSES, REGISTRATIONS: Any additional training is beneficial.

OTHER SKILLS AND ABILITIES: Good communication skills. Ability to read two-dimensional engineering drawings and view as three dimensional.

PHYSICAL DEMANDS: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, or feel and talk or hear. The employee frequently is required to sit. The employee is occasionally required to stand, walk, and reach with hands and arms. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is occasionally exposed to moving mechanical parts. The noise level in the work environment is usually moderate. The employee regularly works in an indoor, temperature-controlled facility.