



Job Description

Job Title: R & D Designer
Department: Product Design
Reports To: Product Design Manager
FLSA Status: Exempt

SUMMARY

Facilitates communication with resources internally and externally to direct Research and Development projects set forth by the Product Design Manager. Responsible for research and development of new innovative products in conjunction with the Product Development Team.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The R&D Designer is responsible for all aspects of product research and will be required to present findings through reports and presentations to the team. Lead brainstorming sessions and manage a database of concepts and submissions.

Establish timelines for completion of all activities associated with product design projects and coordinate with the various agencies involved, to ensure project objectives are accomplished.

Partner with appropriate team members to clarify or resolve problems and develop designs accordingly.

Design and engineer product concepts to ensure Masterbuilt leads in new product innovation.

Prepare product layouts, detailed drawings, renderings, and schematics as well as initial BOM's for contract factories.

Coordinate manufacturing or building of prototype product.

Plan and develop experimental test programs and conducts precertification tests with quality personnel.

Prepare status updates and present to management routinely.

Research publications, attend tradeshow, and consult with design, engineering, marketing, production, and sales representatives to establish design concepts.

Present ideas and concepts through product presentations including but not limited to: sketches, computer renderings, and physical prototype models.

Present designs to client or product design committee and discuss need for modification and change.

Fabricate prototype models, working and non-working, for testing and presentations. Prepare illustrations, presentations, and/ or story boards.

Prepare and/or coordinate preparation of working drawings from sketches and design specifications.

Design, engineer, and assemble products for custom applications.

Support Product Design team by performing other duties as required.

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.S. / B.A.) from a four-year college or university; or four years related experience and/or training; or equivalent combination of education and experience.

SKILLS and COMPETENCIES

Proficient in Adobe Creative Suite and SolidWorks or equivalent CAD (Computer Aided Design) software package.

Proficient with Excel, PowerPoint and other MS Office applications.

Excellent verbal and written English language skills required. Read, interpret and analyze correspondence, memos, reports and tables.

Excellent teamwork skills and enjoy working collaboratively with others on the Masterbuilt team.

High level of attention to detail and ability to produce quality product when lead-time is short.

Demonstrate discretion in handling sensitive and confidential documents and situations.

Work in office environment with some work in machine shop environment. In addition, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 50 pounds. Always ensuring compliance with proper lifting procedures and company policy.

Dedicated to company and personal core values.

Practice safety and adhere to all company safety policies.

Occasional travel, both domestically and internationally.