

Job Title: 3D Print Process Engineer	Reports to: R&D Manager
Department: Research & Development	Exemption Status: Exempt

Making A Difference Every Day

B9Creations is a team of professionals passionate about improving our customers' lives with technology. From preserving jobs and opportunities by making localized production economically feasible to enabling businesses to maintain their competitive edge by improving the speed and effectiveness of serving their customers, our team is making a difference every day.

Position Overview

This role will translate the academic and theoretical into applications driving additive manufacturing performance. This role will bridge possibilities in polymer chemistry to the printing process itself. The successful candidate will be responsible for optimizing the interaction between the materials and the mechanical systems, and translating empirical observations, and data, back to the theoretical and vice versa. This individual must demonstrate a sense of urgency for innovation, an understanding of various engineering systems and creativity. The position will be located at our headquarters in Rapid City, SD.

We are looking for an engineer with proven experience and a passion for developing technology solutions that create value for customers:

- Ability to translate the academic and theoretical into applications driving additive manufacturing performance and validate with empirical results
- Ability to design tests and experiments to quantify key printing process constraints and improvements
- Strong drive to produce the best technology possible
- Self-awareness and awareness of others enabling high-performance in team environment
- Develop/define properties for new classes of materials
- Develop new printer settings and parameters to optimize the print process for a given material and release method
- Work with both hardware and software engineers to develop and improve new and existing release hardware designs and software driven methods
- Working understanding of engineering statics and dynamics as well as fluid flow.

- Maintains stable performance under pressure or opposition (such as time pressure or job ambiguity); handling stress in a constructive manner.
- Actively appreciates & includes the diverse perspectives, capabilities, and ideas of others to work effectively & respectfully with individuals of different backgrounds.
- Sets high standards of performance for self; assuming responsibility and accountability for successfully completing assignments or tasks.
- Exhibits strong desire to see B9Creations, its employees, and its customers succeed.
- Apply a sense of urgency, commitment and focus on the right priorities in developing solutions in a timely fashion.

Qualification Requirements

Required Education & Experience

- Degree in an engineering discipline and/or equivalent experience
- A minimum of two years' experience with polymer applications
- Proven track record of working within a cross-functional team developing systems or components of technology products and/or applications
- US Citizenship

Beneficial Experience

- Experience leading a cross-functional team(s) of technical professionals in the development of products or systems
- Experience with photo-initiated polymer applications
- Experience in additive manufacturing technology development
- Familiar with mechanical design and CAD modeling (Solidworks a plus)
- A website or portfolio documenting your current and past projects
- Project management experience

Working Conditions and Ergonomic Requirements

- Working conditions are normal for an office environment and work may require occasional weekend and/or evening work and travel

We are an Equal Employment Opportunity (EEO), Affirmative Action employer and welcome all qualified applicants. All qualified applicants will receive fair and impartial consideration for employment without regard to race, color, religion, sex, age, disability, veteran status, national origin or other legally protected status. An applicant with a disability or a disabled veteran can request reasonable accommodation to apply for one of our positions.