



## **Process Engineer I/Jr.**

Next Century Spirits is an advanced technology company that blends tradition with science, specializing in the creation of premium, cost-effective distilled spirits with our patented filtering and finishing technology. We aim to supply the global spirits market with the best products possible. With adaptable, state-of-the-art systems, we provide spirits that are used in everything from craft brands to large, bulk blends.

NCS is a high growth phase company based in the Research Triangle Park region of North Carolina. Founded in 2018, NCS has seen extreme growth and success in a short period, with numerous customers and over 100 medals for quality including 2021 "North Carolina Distiller of the Year" from the 2021 New York International Spirits Competition and Category Winner at 2022 World of Whiskies Awards for Best American Single Malt 12 Years & Under.

## **Summary**

NCS's Technical Team is looking for a Process Engineer I/Jr. to work at our brand-new facilities in Zebulon, NC. Overall, the role is to design, develop and produce innovative equipment/tools/process needed to support the growing operations portfolio as well as the transfer of ideas/concepts from R&D into production using the most sustainable, robust, and cost-effective processes. Foster a safe environment, where our employees' creative, technical and leadership skills which are best utilized, as well as challenged to deliver timely results. This position offers a wonderful opportunity for newly graduated engineer majors or experienced engineers looking for a new and exciting career path in the highly sought after RTP area of North Carolina.

## **Responsibilities**

- Develop process improvement initiatives to help support the production of finished products including but not limited to the following: mashing, fermentation, distillation, proofing, filtration, processing, blending, barreling, canning, bottling, carbonation, quality, and sensory analysis
- Design, draw, retrofit, and qualify lab, pilot, and production equipment
- Manage projects within a cross functional team including external vendors
- Further develop R&D initiatives and scale up solutions for production
- Develop a TTB compliance and regulatory knowledgebase
- Contribute to the development of new business opportunities
- Ensure compliance with quality plans, process controls, specifications and quality training
- Participate in sensory panels (must be over 21)

## **Qualifications**

- BS, MS or PhD in Process, Chemical, Mechanical, Electrical, Industrial, Paper Science Engineering, other related majors, or related work experience
- Experience with equipment or process design/testing in or around flammable liquids
- Project management experience
- Experience working as a part of a cross-functional team
- Proficient in Microsoft Office and Computer Aided Drawing applications

## **Preferred Qualifications**

- Familiarity with statistical software applications
- Knowledgeable in heat and mass transfer calculations
- List of documented projects with problems and solutions created
- Six sigma certification
- Hands-on experience with the production of high proof distilled spirits
- TTB and ALE regulations knowledge base

## **The ideal candidate will be able to demonstrate the following characteristics:**

- Creative at identifying adjacent technologies and applying to spirits markets
- Collaborative, seeks ideas and opportunities from others
- Good judgment and decision making, able to recommend project priority
- Develop, document, and update project plans including both short- and long-term deliverables in a concise manner
- Creation of various processing equipment/steps combinations to lower production costs or increase throughput
- Resourceful, pulls together the necessary tools, equipment and people, to get the job done
- Ability to accept, facilitate, identify and implement change
- Outstanding attention to detail and communication skills
- Comfortable, flexible, and persistent while working in a fast-paced environment

## **Physical Requirements:**

Position requires ordinary ambulatory skills and physical coordination sufficient to move about office, lab, and production locations; ability to stand, walk, climb, stoop, kneel, crouch periodically for prolonged periods of time; manipulation (lift, carry, move) of light to medium weights of 25-60 pounds; work in various temperature conditions; operate forklifts and/or pallet jacks; arm, hand and finger dexterity, including ability to grasp and type for prolonged periods of time; visual acuity to use a keyboard, computer monitor, operate equipment, and read materials for prolonged periods of time; ability to sit, reach with hands and arms, talk, and hear for prolonged periods of time.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, protected veteran status, disability status, age, sexual orientation, gender identity and expression, marital status, citizenship, HIV/AIDS status or any other legally protected factor.

Immigration sponsorship is not available for this position. Applicants for U.S. based positions are generally required to be eligible to work in the U.S. without the need for current or future sponsorship. Candidates must pass a background check and drug screening prior to employment.

Those interested may submit inquiries to **[jnevins@nextcenturyspirits.com](mailto:jnevins@nextcenturyspirits.com)**.

Please include the job title in the subject along with an attached resume and cover letter.