

# **POSITION PROFILE:**

## **Research and Development Coating Engineer**

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### **SUMMARY**

The Research and Development Coating Engineer will lead and coordinate coating process development across a number of product lines including Carestream Advanced Materials (CAMS) and Contract Manufacturing at the Carestream Health Oregon (CHO) facility. This will include activities such as initial coating assessment, coating process development, manufacturing scale up, capital design/installation, and coating productivity improvements.

This engineer will be expected to lead the technical efforts around coating on each product and use appropriate project planning, troubleshooting, experimental design, and other tools to drive product, process, and quality improvements. During product development the Coating Engineer will need to work closely across functional areas and sites to bring new products from lab to manufacturing scale in a timely manner.

### **EDUCATIONAL REQUIREMENTS and BACKGROUND**

- BA, BS, or MS in Chemical Engineering, Materials Science, Mechanical Engineering or similar
- Experience level: ~10+ years experience
- Currently authorized to work in the United States
- Required Background:
  - Coating process engineering in multiple disciplines including gravure
  - Flexible web coated media product development
  - Equipment knowledge related to coating (e.g., dies, air flow control, solution delivery, etc.)
  - Process and/or product development
  - Technical writing and effective communication competency
  - Strong rheology, fluid mechanics, and surface science knowledge required.
- Preferred Experience:
  - Process and equipment knowledge of multiple coating methods (bead, curtain, roll to roll, gravure, etc.)
  - Coating modeling expertise
  - Mechanical design and installation
  - Organic solvent and aqueous solution and equipment knowledge
  - Drying process knowledge
  - Black Belt and/or demonstrated statistical analysis expertise
  - Project or program management certifications

### **PRIMARY RESPONSIBILITIES**

- Lead coating process development efforts across product lines in the manufacturing facility.
- Participate on formulation development and manufacturing product engineering teams to optimize formulas for coating scale up and commercialization.
- Coordinate activities with manufacturing process engineering staff to ensure new and existing equipment match needs of future product lines.

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- Design and execute experiments with appropriate design of experiment methodology and data analysis.
- Participate and sometimes lead capital projects in the coating area including design and implementation.
- Develop timelines and milestones for projects, identify risks and issues, and develop appropriate plans to address.
- Utilize troubleshooting skills to determine root cause of quality issues.
- Lead projects around coating to improve quality and yield of commercialized products across plant sites.
- Training for operators, technicians, mechanics, and engineers around the coating process and equipment.
- Literature and patent search/scouting of new advances and new technology of film coating and actively identifying intellectual property and patentable inventions.
- Up to 25% travel, primarily domestic.

#### **How to apply?**

Please visit our Carestream website and search our jobs. This specific position is at:

<http://www.carestream.com/csh-careers.html> under **4849BR Coating Engineer**. We look forward to hearing from you.