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| <b>Job Title:</b><br>Sr. Research Scientist/Engineer | <b>Location:</b><br>Integrated Biometrics, LLC<br>6150 W Chandler Blvd,<br>Chandler, AZ 85226 |
| <b>Reports To:</b><br>VP of R&D                      |   |

**Job Description**

IB is recruiting for an energetic **Sr. Research Scientist/Engineer** to expand our R&D team. IB makes the world's most compact FBI certified fingerprint sensors. In this position you will help develop what is coming next and help us make identity better.

This person will accelerate development and integration of improvements to our technology with advanced material science and device engineering. These improvements are to include both performance improvements and new features. They will also lead investigative efforts on root cause analysis for material-based challenges with our proprietary imaging film technology. In addition, they will be expected to contribute to developing new proposals to both solve existing challenges as well as expand our technology portfolio to bolster and broaden our business reach.

Additionally, they will assist in the development and improvements of the manufacturing process, yield improvements and quality assurance. They will provide functional leadership to junior scientist and technicians, setting up experimental plans (DOE), ensuring proper analysis and reporting of data. The ideal candidate will have experience in electro-optic materials and devices and/or polymeric formulations for functional materials & devices.

This position offers variety. It spans technology, product, and process development. It is on-site at our new center for R&D in Chandler, Arizona. Some domestic and international travel is expected.

**Typical projects include:**

- Design and perform experiments and research including screen printing, chemical formulations, particle dispersion, coatings, mixing and filtering
- Perform optical, mechanical, and electrical characterizations of materials and devices
- Analyze material and film technical issues, dissecting complex problems and suggesting process-oriented solutions.
- Operation and maintenance of internal research laboratory equipment



### **This position requires:**

- BS in Materials Science, Chemical Engineering, or related degree
- 3-5 years' experience in an R&D/engineering hands-on environment
- Experience with deposition (i.e. screen printing) of functional materials and/or multi-layer devices
- Experience in general laboratory research and development methods and tools
- Understanding and experience in the use of microscopes, electrical test equipment and other material analytical tools
- Very good general computer skills
- Strong analytical skills
- Problem Solving, Teamwork, Communication, and Interpersonal Skills, must possess the company's values.
- Willingness and ability to travel including internationally on occasion (<10%)
- Must be comfortable and effective communicating with others who have English as a secondary or tertiary language
- Curious, innovative, and ambitious; driven to achieve by understanding and solving challenges

### **Other Desirable Skills & Qualification (not required)**

- MS/PhD in Material Science or Engineering
- Some understanding of quality processes and/or systems
- Experience in Thin Film science and manufacturing
- Understanding of Electroluminescent Applications
- Experience with AFM, STM profilometry, FIB
- Application Process of Thin film polymers (dielectrics, adhesives, binders)
- Some understanding multilayer electro-optic device operation and architecture
- Korean language skill

### **ABOUT IB**

Integrated Biometrics, LLC designs and manufactures FBI-certified fingerprint sensors for law enforcement, military operations, homeland security, national identity, election validation, social services, and a wide range of commercial applications. The company's patented light emitting sensor technology enables lightweight scanners that outperform traditional prism-based devices in size, power consumption, portability, and reliability. Identity management solutions providers, government agencies, and corporations around the world rely on Integrated Biometrics' products to enroll and verify individual identity quickly and accurately, even in remote locations.



In early 2017, Integrated Biometrics adopted the Entrepreneurial Operating System (EOS) – as taught in TRACTION by Gino Wickman. We use this approach for the overall foundation of the organization. The results have been good to excellent. Naturally, we continue to extend EOS to all levels of the organization. It has become an important part of our culture of achievement.

Our executive offices, including marketing, finance, accounting, domestic logistics and strategic engineering, are based in Spartanburg SC. Our manufacturing and product / process / engineering offices are outside of Seoul, South Korea. We also have an expanding R&D lab and film production facility in Chandler, AZ. The majority of IB's sales resources work remotely across the globe.

IB has been recognized as one of the South Carolina Top-25 Fastest Growing Companies in 2016, 2017, 2019 and 2020 and in the Inc. 5000 Fastest Growing Companies for 2016, 2017, 2018, 2019 and 2020.

**Core Purpose:** We enable convenient, accurate fingerprint identification.

**Core Values:**

- Customer-focused
  - Friendly – Cooperative – Good Listener – Respectful
  
- Get Things Done
  - Persistent – Curious & Innovative – Results Oriented – Proactive Resourceful  
Common Sense – Helpful – Enthusiastic – Adaptable
  
- Accountable
  - Trustworthy – Team Player – Cooperative Relationships – Honest – Reliable – Quality Work  
Unbiased Behavior – Support for Workplace Diversity

Responses can be sent to: [jobs@integratedbiometrics.com](mailto:jobs@integratedbiometrics.com)