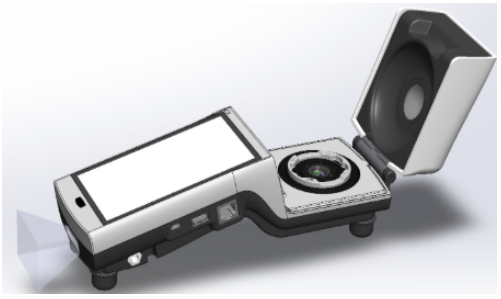
PORTFOLIO

	Model	Achievement
Alentic	 	2019 ~ 2025 **End-to-End Development:** Spearheaded the design and development of the pocket-sized Complete Blood Count (CBC) microscopy device, taking it from concept through prototype and engineering build. **Electrical Parts Integration:** Collaborated with electrical engineers to ensure seamless integration of mechanical and electrical components, enhancing overall device functionality. **Core Motion Drive Design:** Engineered high-precision motion drive systems using servo motors, achieving reliability and accuracy for critical medical applications. **Innovative Mechanisms:** Designed an advanced open-closing lid with a custom hinge mechanism to improve user accessibility and enhance product usability. **Medical Consumables Design:** Created high-precision medical consumable components that meet stringent quality and safety standards. **Fixture Design for Manufacturing:** Developed assembly and test fixtures to streamline manufacturing processes, ensuring high-quality production and reliability. **Environmental Testing:** Led environmental testing protocols, identifying and addressing performance issues to enhance product durability and long-term functionality.