

# Product reliability and product performance test services for consumer robots



Consumer robots are becoming increasingly popular as they offer various benefits, such as increased efficiency, convenience and entertainment. Ensuring their reliability and performance is critical to the success of any consumer robot manufacturer. UL Solutions product reliability and performance test services can help you evaluate the performance and durability of your consumer robots and identify any potential issues or risks associated with them.

We offer a comprehensive range of product reliability and product performance test services for consumer robots, including:

- Reliability testing – Our reliability testing services evaluate the durability and reliability of your consumer robots under normal and stressful conditions, such as temperature extremes, vibration, impact and drop testing.
- Performance testing – Our performance testing services evaluate the speed, accuracy, battery life and efficiency of your consumer robots under various operating conditions, such as navigation, obstacle detection and object recognition.
- Safety testing – Our safety testing services evaluate the safety features of your consumer robots, including impact resistance, electrical safety and fire safety.
- Compatibility testing – Our compatibility testing services evaluate the compatibility of your consumer robots with other devices, platforms and applications, such as mobile devices, virtual assistants and smart home systems.

Our product reliability and product performance test services offer the following benefits for your consumer robot manufacturing business:

- Safeguard the reliability of your consumer robots.
- Identify potential issues or risks associated with your consumer robots.
- Evaluate the performance and durability of your consumer robots.
- Establish the expected service life requirements for consumer robots under normal and stressful conditions.
- Help protect the reputation and credibility of your consumer robot manufacturing business.

We are a team of experienced and certified reliability engineer (ASQ CRE) professionals specializing in providing product reliability and product performance test services for consumer robots. We tailor our services to meet your specific needs and requirements, and we use custom test equipment and testing methods for accurate and reliable results.

**To learn more about our product reliability and product performance test services for consumer robots or to schedule a consultation, please reach out to your UL Solutions sales contact or email [UL.newton@UL.com](mailto:UL.newton@UL.com)**



**Safety. Science. Transformation.™**