



Ultrasound is the process of assessing the health and condition of your equipment by collecting and analysing ultrasonic signals produced during operation. It allows us to listen and interpret frequencies above the range of the human ear (above 20KHZ).

### ① Cost Saving

Ultrasound technology assesses equipment health by capturing ultrasonic signals, allowing early detection of lubrication issues that can lead to costly failures. By precisely identifying the need for lubrication, ultrasound prevents waste and reduces both lubricant consumption and repair costs.

### ② Increase Safety

By analyzing ultrasonic signals, ultrasound detects early signs of friction and potential malfunctions, reducing the risk of sudden equipment breakdowns that could compromise safety. This advanced monitoring enables safer operations by alerting maintenance teams to issues before they escalate.

### ③ Environmental Impact

Ultrasound ensures lubrication is applied only when needed, reducing excess lubricant use and minimizing the risk of leaks or spills. This targeted approach promotes sustainable practices by reducing lubricant waste and decreasing the environmental footprint of industrial operations.

### ④ Equipment Reliability

Ultrasound allows technicians to interpret high-frequency signals beyond human hearing, revealing friction, wear, or lubrication deficiencies. This proactive insight enhances equipment reliability by enabling timely interventions that extend machinery life and improve operational consistency.