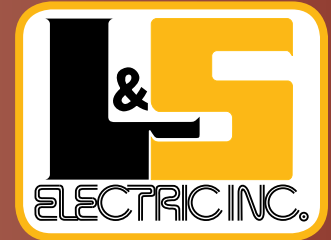


# Ultrasonic Thickness Testing



Dedicated People, Quality Products, and Above All, Service.

L&S Electric's Reliability Services team determines material thickness and measures coating and/or lining thickness using ultrasonic thickness testing.

Gaging the thickness of one side of a material using ultrasonic gaging is a nondestructive testing technique requiring access to just one side.

Measuring thickness using ultrasonic techniques dates back to the 1940s. Almost any common material can be ultrasonically measured. Usually, the only materials that can not be measured with ultrasonic testing equipment are wood, concrete, foam, and paper products.

To test thickness, sound energy is generated over a wide frequency spectrum which measures the amount of time it takes the sound pulse to travel through the testing piece and reflecting back to the other side.

## Applications

- Lining, material, and coating thickness
- Measurements of a wall
- Loss due to corrosion

## Materials Commonly Tested:

- Many metals including nickel, aluminum, and lead
- Glass
- Ceramics



### SCHOFIELD

715.359.3155 or 800.283.8332

### DULUTH

218.729.3375 or 800.943.9549

### APPLETON

920.730.0203 or 800.283.5564

### MENOMINEE

906.864.2500 or 800.864.2507

### STURTEVANT

262.886.1875 or 800.367.7676

### MINNEAPOLIS

763.780.3234 or 800.290.9320

### ROTHSCHILD

715.359.4860 or 888.246.1249

### HYDRO SOLUTIONS

715.359.0551 or 877.258.5128