

# SILVERWING R-SCAN

## Quick Start Guide



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## Safety Precautions



### READ AND UNDERSTAND THE USER MANUAL

The Swift and R-Scan system are designed for a specific use. Using the Swift or R-Scan system outside of its intended use is dangerous. Severe injury or death could result. Read and understand the user manual before use.



### TRANSPORTATION

It is the users responsibility to make sure that the transport safety precautions are in accordance with the local department of transportation (or equivalent governing body) rules and regulations. The system contains lithium-ion batteries and magnetic materials. Refer to user manual



### MAGNETIC MATERIAL

The wheels of the R-Scan contain magnets that produce a strong magnetic field, which may cause failure or permanent damage to items such as watches, memory devices, and other electronics devices.



QR code to the R-Scan user manual and software

[www.silverwingndt.com/download](http://www.silverwingndt.com/download)

## What's in the Box

1. R-Scan head
2. Umbilical
3. Silicone oil and syringe
4. Lemo extraction tool
5. 5.5mm Spanner
6. Circlip pliers and circlips
7. 2.5mm Hex key

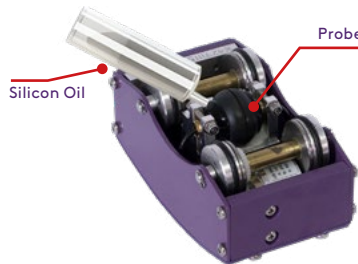
## Capabilities

Minimum diameter	50 mm (2 in)
Maximum diameter	Flat plate
Minimum material thickness	2.5 mm (0.1 in)
Maximum material thickness	100 mm (4 in)
Maximum scan length	50 m (164 ft)
Minimum Surface temperature	0 °C (32 °F)
Maximum Surface temperature	80 °C (176 °F)

## Pre-Inspection

Prior to an inspection please check:

1. Calibration validity date
2. System for damage, including probe, connectors and umbilical
3. All connectors are secure
4. Batteries are charged
5. Wheel probe and cleaning pad are clean with sufficient silicon oil applied



## Connections

1. Insert batteries into the Swift.
2. Connect the umbilical Lemo connector to the rear of R-Scan.
3. Connect the umbilical connectors to Swift.
4. Connect the Black lemo connector to Tx.
5. Connect the Red lemo connectors to the Tx/Rx.
6. Power on Swift.
7. Ensure the emergency stop button is reset by rotating clockwise.



## Swift Controls



## Basic Workflow

