

Swift Frequently Asked Questions (FAQ's)

Q. Will my probes fit the Swift scanner?

A. Swift can hold any manufacturers TOFD probe and wedge combination. It also has the ability to hold a variety of phased array probe and wedge combinations. Please specify which type you will use when ordering.

Q. Can the standard Swift scanner perform B and D scans?

A. The standard Swift scanner performs D scans with a pair of TOFD probes and B scans with a pair of phased array probes.

An optional extra for Swift are a pair of pivoting wheel units (AEP-SWIFT-PW). As the name suggests, the wheels pivot to enable the operator to change the scan direction, allowing B scans with two TOFD probes and D scans with two phased array probes.

Q. What type of material can Swift inspect?

A. Swift is fitted with magnetic wheels so is ideally suited for use on ferromagnetic materials. However, the compact and light-weight design of Swift means it can easily be moved across non-ferromagnetic and composite materials to perform scans.

Q. Can I use the Swift on small diameter pipework?

A. The Swift can be used on 3"Ø pipework up to flat plate.

Q. Do I have to remove Swift from the inspection surface in order to change the probes and wedges?

A. No. The Swift toolposts' have an innovative 'lift and lock' feature, which allows the operator to lift the wedges from the scan surface and make a change without removing the whole scanner from the inspection area.

Q. Do I need Allen keys and screw drivers to make adjustments when using Swift?

A. None, the Swift scanner is tool free. There are small thumb-screws which allow the Swift to be easily set-up and adjusted by hand.

Q. Will the brake feature work with the pivoting wheel units?

A. No, the brake feature is only fitted with the standard wheel units, not the pivoting wheel units.

Q. Can I use Swift without the handle to scan a particularly low-profile area?

A. Yes, the handle can be removed from the Swift scanner, however in order to perform an accurate scan you will require a small additional part. Please contact a member of the Phoenix Sales team to order.

Q. I have various acquisition units at my disposal; can I use the Swift scanner with all of them?

A. The Swift scanner is compatible with all acquisition units that can record a single axis of encoder data. Please specify your instrument preference(s) at the point of ordering. And we can supply the appropriate adapter.

Q. Is the encoder waterproof?

A. The encoder on the Swift scanner is IP68 rated, which means it can be fully submersed in water down to 1m.

Q. What is the resolution of the encoder supplied with the Swift?

A. The encoder supplied with the Swift has a resolution of 33steps/mm.

Q. How long is the encoder cable?

A. The encoder cable is 5m as standard. Other lengths are available on request.

Q. How big is the encoder wheel?

A. The encoder wheel has a diameter of 39mm.

Q. Is it possible to adjust the tension on the encoder spring?

A. Yes, the tension can be adjusted by loosening the thumbscrew on the encoder and rotating the shaft anti-clockwise. When you have the desired tension it can be locked back into place by tightening the thumbscrew.