

Industrial



# NORTEC™ Rotating Bolthole Scanners

Find Flaws Fast in Bolt Holes



**EVIDENT**

# Efficient Inspection of Fastener, Bore, and Bolt Holes

Our handheld rotating bolthole scanners work with our line of NORTEC™ eddy current flaw detectors for the inspection of fastener, bore, and bolt holes. Ideal for aircraft structural maintenance, our scanners help you find flaws fast with high-speed (up to 3000 rpm) and high-frequency (up to 6 MHz) eddy current testing.

- Higher speed provides high-resolution data for improved flaw detection
- LED alarm lights up if you hit a flaw so you can scan quickly without missing a defect
- Inspect smaller defects at higher frequencies
- High torque (direct drive)\* for quick rotation of large probes

## Cost-Effective

Save costs by using rotating scanners that adapt to your eddy current techniques, flaw detectors, and probes. Our scanners work with:

- NORTEC flaw detectors equipped with the scanner and dual frequency options
- 4-pin Fischer and LEMO connectors
- Reflection differential probes
- Our probe kits for a convenient inspection toolbox, as well as individual probes

## Ergonomic

Boost productivity and comfort with handheld rotating scanners in right angle or ergonomic grip designs.

- Lightweight scanners are easy to operate with one hand
- Flexibility to scan from any direction
- Unique ergonomic handle with a non-slip grip\* for comfortable long-term use on aircraft and other applications



\*Spitfire 3000 scanner only.



# Versatile

Quickly switch between handheld and system applications using the removable rail system on the Spitfire 3000™ scanner.

- Mount the rail for convenient, hands-free use of the scanner
- Ideal for airframe inspection, aircraft wheel hole inspection, and automated systems that require bolt hole inspection
- Large screw makes it easy to disconnect the rail; turn it with your hand if needed



# Applications

Our rotating bolthole scanners enable you to inspect ferrous and nonferrous alloys in many applications, including:

- Aircraft airframes with or without fasteners
- Critical attachment fittings
- Support frames
- Postproduction testing for cracks
- Wheel tie bolthole inspections
- Surface inspections
- Tube plug testing

# Convenient Inspection Toolbox

Get the convenience of our rotating scanner probes in one easy-to-carry package. Our kits include a shipping/carrying case and scanner probes in a variety of common sizes. See our [Eddy Current Probe Kit catalog](#) for a full list of included probes.

Scanner Probe Kits		
Kit Part Number	SUBK-8-44	SUBK-8-64
Item Number	U8670107	U8600609
Probe Series	SUB	SUB
Connector Type	4-Pin Fischer	4-Pin Fischer



# Rotating Bolthole Scanner Specifications



## MiniMite™ Scanner

Speed Range	600 to 3000 rpm
Speed Control	Instrument controlled
Frequency Range	200 kHz to 6 MHz
Probe Connector	4-pin LEMO or 4-pin Fischer with O-rings
Probe Type	Reflection differential
Signal Coupling	Rotary transformer
Mounting	Handheld
Orientation	No physical restrictions
Alarm	LED indicator located at the rear and top of the case
Cable Connector	16-pin LEMO
Size (L x W x H)	89 mm × 25 mm × 38 mm (3.5 in. × 1 in. × 1.5 in.)
Weight	0.11 kg (4 oz)
Part Number	U8750013 (LEMO) U8750012 (Fischer)



## Spitfire 3000™ Scanner

Speed Range	600 to 3000 rpm
Speed Control	Instrument controlled
Frequency Range	200 kHz to 6 MHz
Probe Connector	4-pin LEMO or 4-pin Fischer with O-rings
Probe Type	Reflection differential
Stall Torque	0421 kg-mm (5.96 oz-in.) on high torque at 3000 rpm
Torque Selection	Switchable among three ranges (low, medium, and high)
Mounting	Ergonomic handgrip and finger hook; removable rail system for mounted applications
Orientation	No physical restrictions
Alarm	LED indicator located at the rear and top of the case
Cable Connector	16-pin LEMO
Size (L × diameter)	152 mm × 43 mm (6 in. × 1.7 in.)
Weight	0.45 kg (1 lb)
Part Number	Q7500187 (LEMO) Q7500203 (Fischer)

### The Evident Commitment

Evident is a leader in eddy current technology with a reputation for quality and accuracy. We are committed to providing the best technical support and after-sales service for our products, applications, training, and technologies through our global network of sales and service teams.