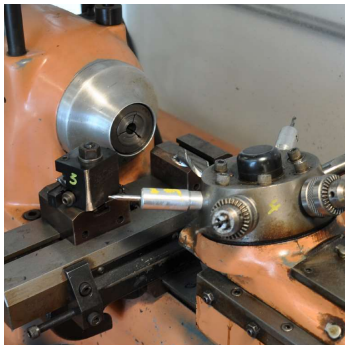


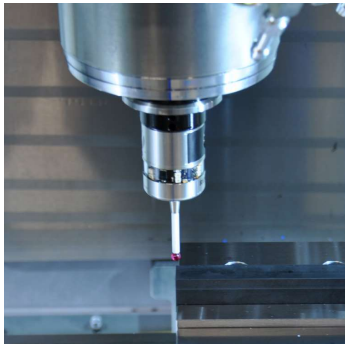


TABLE OF CONTENTS

ABOUT US

Founded in 2013 - Headquartered in Kent, WA - USA

AeroFab NDT is a fully equipped machine shop providing NDT services in support of the Aerospace & Aviation industry. We specialize in the sale and manufacture of nondestructive testing (**NDT**) tools for customer inspection requirements. We have over 50 years' experience in NDT fabrication/design and are continually expanding our product knowledge to meet the evolving needs of this industry. In-house operations enable control over quality and ensures we provide the shortest lead times.

We offer custom tools designed and manuctured to customer specifications along with accessories, machining/EDM, and repair services.

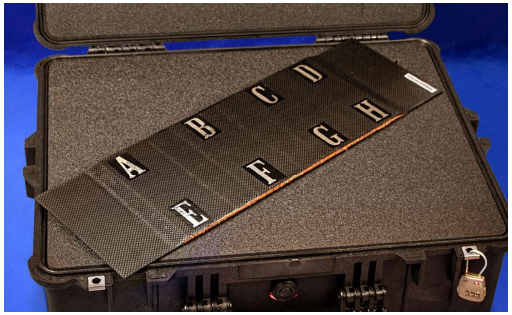
Specialities:

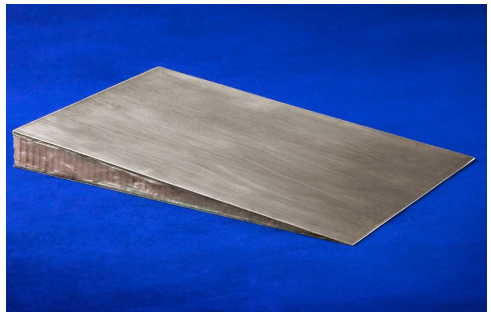
- Reference standards (*Boeing, Airbus, Bombardier, McDonnell Douglas, Military*)
- Eddy current probes
- Ultrasonic Transducer
- Custom kit boxes

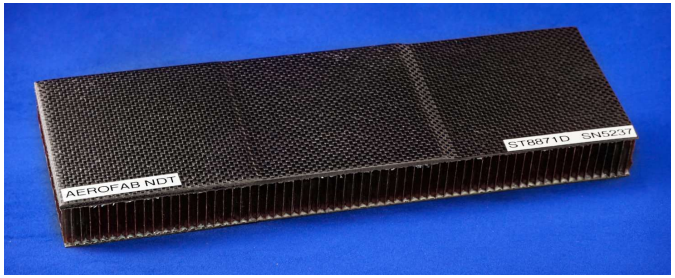
AIRCRAFT COMPOSITES

The drive to increase fuel efficiency and improve aerodynamic performance is leading designers to move away from using aluminum in airframes. As the use of carbon fiber composites in aircraft structures has grown, so has the need for reliable nondestructive testing.

C12/F12 SERIES	ST SERIES	NDT SERIES	AIRBUS
C12-DIS-3C1N	ST8870-1	NDT1033-10	99D55109001000
C12-DEL-3C1N	ST8870-4	NDT1038	99D51407291001
C12-PSC-3C1N	ST8870-7	NDT1106	
C12-POT-3C1N	ST8870-8	NDT1046-XX	
F12-DIS-3C1N	ST8870-9		
F12-DEL-3C1N	ST8871D		
F12-PCS-3C1N	ST8871		







EDDY CURRENT PROBES

Traditionally used to determine material thickness, non-conductive coating thickness, conductivity and plating measurement, and cracks.

SCANNER PROBES

ROTATING STAINLESS STEEL

Ideal for detecting flaws inside fastener holes. These probes are extremely resistant to damage. Wear-resistant stainless steel tip. Increased sensitivity to small surface cracks.

ROTARY PROBE

Used to scan the inside of a bore for cracks. Manually adjustable to meet different hole diameters. Standard working length ranges 1.1” - 2.0”.

FLEXSHAFT

The flexible shaft of these probes can be shaped to perform inspections of areas that are very difficult to reach, Excellent for small defect detection and areas inaccessible to standard probes.

ROTARY COUNTERSINK

Used for testing of fastener holes. Plastic tips that automatically compress to their original size after being expanded to fit inside larger bolt holes. Available in absolute or differential configuration.

SURFACE PROBES

Standard features: *0.125” diameter - delrin handle - 50-500 kHz - Microdot connector*
Options include: *frequency - length - connector - drop length - bent shaft angle*

STRAIGHT

P/N	SHAFT	CONNECTOR	FREQUENCY	SHIELDING
AXTPN-5	0.072	TRIAX	50 KHZ - 500 KHZ	SHIELDED
AXPN-5	0.072	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
ASTPN-5	0.093	TRIAX	50 KHZ - 500 KHZ	SHIELDED
ASPN-5	0.093	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
ATPN-5	0.125	TRIAX	50 KHZ - 500 KHZ	SHIELDED
APN-5	0.125	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
APNU-5	0.125	MICRODOT	50 KHZ - 500 KHZ	UNSHIELDED

ANGLE SHAFT (45˚)

P/N	SHAFT	CONNECTOR	FREQUENCY	SHIELDING
AXTPN-45-5	0.072	TRIAX	50 KHZ - 500 KHZ	SHIELDED
AXPN-45-5	0.072	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
ASTPN-45-5	0.093	TRIAX	50 KHZ - 500 KHZ	SHIELDED
ASPN-45-5	0.093	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
ATPN-45-5	0.125	TRIAX	50 KHZ - 500 KHZ	SHIELDED
APN-45-5	0.125	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
APNU-45-5	0.125	MICRODOT	50 KHZ - 500 KHZ	UNSHIELDED

90˚

P/N	SHAFT	CONNECTOR	FREQUENCY	SHIELDING
AXTPN-95-5	0.072	TRIAX	50 KHZ - 500 KHZ	SHIELDED
AXPN-95-5	0.072	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
ASTPN-95-5	0.093	TRIAX	50 KHZ - 500 KHZ	SHIELDED
ASPN-95-5	0.093	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
ATPN-95-5	0.125	TRIAX	50 KHZ - 500 KHZ	SHIELDED
APN-95-5	0.125	MICRODOT	50 KHZ - 500 KHZ	SHIELDED
APNU-95-5	0.125	MICRODOT	50 KHZ - 500 KHZ	UNSHIELDED

LOW FREQUENCY PROBES

SPOT BRIDGE

Used for discovering flaws on and below surfaces. Their large coil diameter & low frequency operation provide an increased detectable flaw size. Typically supplied with a triax fischer connector.

OPTIONS

- Top or side mount
- Right angle or straight
- Connector

RING PROBES

Made to fit various fastener head diameters. Mostly used for subsurface crack detection with the fastener in place. Typically supplied with a triax fischer connector.

OPTIONS

- Bridge or reflection
- Connector

CABLES & ADAPTORS

CONNECTOR	PROBE TYPE	PROBE CONNECTION	
		UNIVERSAL	RECHII
4-PIN FISCHER	UNIVERSAL ROTOR	--	AUR-RA
4-PIN STEP	RECHII ROTOR	RA-UR	--

INSTRUMENT	PROBE CONNECTOR	
	MICRODOT	TRIAX FISCHER/LEMO
NORTEC 500-2000 SERIES	ACN16-MD6/50-500K	ACN16-TF6-B ACN16-TF6-R
ELOTEST B1, B2	ACB1-M-6/50-500K	ACB1-CF-6/50-500K
GE/HOCKING PHASEC SERIES	ACP2D-MD6	ACP2D-TF6-B ACP2D-TF6-R

product brochure

MISCELLANEOUS

BLADE PROBES

Designed to work in areas with limited access such as narrow slots or gaps between structures for detection of surface abnormalities.

OPTIONS

- Angle (30˚,45˚,90˚)
- Connector
- Working length

STANDARD

ANGLE	THICKNESS	MICRODOT 50-500 KHZ	TRIAX 50-500 KHZ
STRAIGHT	0.030”	ABL-.030-6	ATBL-.045-6
STRAIGHT	0.045”	ABL-.045-6	ATBL-.045-6
STRAIGHT	0.060”	ABL-.060-6	ATBL-.060-6
STRAIGHT	0.090”	ABL-.090-6	ATBL-.090-6

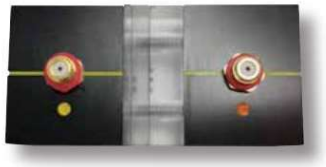
SLIDING PROBES

Directionally sensitive and feature engraved lines to assist scan orientation to expected direction of cracks. Specifically designed to inspect rows of fuselage fasteners.

STANDARD

- Material: Plastic
- Coil type: Reflection

MICRODOT



TRIAX FISCHER

ULTRASONIC TRANSDUCERS

Traditionally used to determine material thickness, non-conductive coating thickness, conductivity and plating measurement, and cracks.

STRAIGHT BEAM/FINGERTIP

Provides high sensitivity and constructed for service under the toughest conditions, Low profile for difficult-to-access surfaces.

FREQUENCY	SIDE MOUNT	TOP MOUNT
5 MHZ	AFC-518S	AFC-518T
10 MHZ	AFC-1018S	AFC-1018T
15 MHZ	AFC-1518S	AFC-1518T
	ELEMENT: 0.187" CASE: 0.250" OD	
5 MHZ	AFC-531S	AFC-531T
10 MHZ	AFC-1031S	AFC-1031T
15 MHZ	AFC-1531S	AFC-1531T
2.25 MHZ	AFC-231S	AFC-231T
	ELEMENT: 0.250" CASE: 0.312" OD	
5 MHZ	AFC-525S	AFC-525T
10 MHZ	AFC-1025S	AFC-1025T
15 MHZ	AFC-1525S	AFC-1525T
2.25 MHZ	AFC-225S	AFC-225T
	ELEMENT: 0.375" CASE: 0.375" OD	
5 MHZ	AFC-550S	AFC-550T
10 MHZ	AFC-1050S	AFC-1050T
15 MHZ	AFC-1550S	AFC-1550T
2.25 MHZ	AFC-250S	AFC-250T
1 MHZ	AFC-150S	AFC-150T
	ELEMENT: 0.500" CASE: 0.625" OD	

SHEARWAVE/ANGLE BEAM

X-SMALL-Excellent signal to noise ratios-ideal for difficulty acces inspections

SMALL-Excellent signal to noise rations-ideal for medium-difficult access inspections

LARGE-For wide area scans and deep penetrations

MEDIUM-For wide area scans and deep penetrations

		5 MHZ		10 MHZ	
	ANGLE	ALUMINUM	STEEL	ALUMINUM	STEEL
X-SMALL	45	AFX-545AS	AFX-545SS	AFX-1045AS	AFX-1045SS
	60	AFX-560AS	AFX-560SS	AFX-1060AS	AFX-1060SS
	70	AFX-570AS	AFX-570SS	AFX-1070AS	AFX-1070SS
		ELEMENT: 0.187" CASE: 0.375" X 0.260" 0.375			
SMALL	45	AFS-545AS	AFS-545SS	AFS-1045AS	AFS-1045SS
	60	AFS-560AS	AFS-560SS	AFS-1060AS	AFS-1060SS
	70	AFS-570AS	AFS-570SS	AFS-1070AS	AFS-1070SS
		ELEMENT: 0.187" CASE: 0.550" X 0.260" X 0.450"			
MEDIUM	45	AFM-545AS	AFM-545SS	AFM-1045AS	AFM-1045SS
	60	AFM-560AS	AFM-560SS	AFM-1060AS	AFM-1060SS
	70	AFM-570AS	AFM-570SS	AFM-1070AS	AFM-1070SS
		ELEMENT: 0.250" CASE: 0.750" X 0.370" X 0.500"			
LARGE	45	AFL-545AS	AFL-545SS	AFL-1045AS	AFL-1045SS
	60	AFL-560AS	AFL-560SS	AFL-1060AS	AFL-1060SS
	70	AFL-570AS	AFL-570SS	AFL-1070AS	AFL-1070SS
		ELEMENT: 0.375 CASE: 1.0"X 0.500" X 0.625"			

REFERENCE STANDARDS

Our standards are available in almost every alloy with hole diameters to suit your application. Notch configuration & fastener type can all be specified. Below are a few of our offerings:

AIRCRAFT STANDARDS

- Airbus
- Boeing
- ATR
- McDonnell Douglas
- Bombardier
- Military (*Airforce & Navy*)

oil-protective coating to prevent corrosion

HOLE STANDARDS

Economical way to provide several hole and notch configurations on the same plate or several plates comine

SURFACE STANDARDS

Surface standards provide a reference point before the start of any inspection procedure

STANDARD MATERIALS

TYPE	ALLOY
ALUMINUM	2024-T3
	6061-T6
	7075-T6
	7075-T7
	AS4340
	AS4130
TITANIUM	6AL4V
STAINLESS STEEL	AISI 304L
	AISI 303L
	15-5PH
	17-7PH
INCONEL	600
	625
	718
MAGNESIUM	
BRONZE-ALUMINUM	13%IACS

product brochure

This page is intentionally left blank