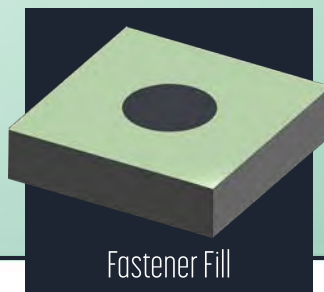
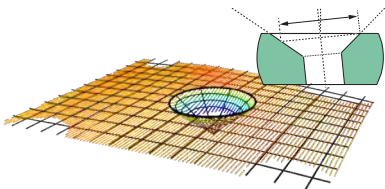


MOST ADVANCED TECHNOLOGY

FMT3



Handheld and Robotic Fastener Measurement Tools for Production



The FMT3 is a handheld, high fidelity, multiline laser scanner developed specifically for aerospace fastener inspection on the production line. Initially designed and built for the demands of the F-35 production line and now offered to a broad market, the all-in-one device produces accurate scans in seconds, resulting in a 50% touch labor reduction. Full 3D data capture and fully automated analysis provides a Pass/Fail result with better than 7 micron accuracy.

Unmatched quality of measurement in a tool that gets work done.



System Dimensions (Including Accessories)

Size	22" x 14" x 10"
Weight	20-25 lbs
Included Accessories	Fitted carrying/storage case, verification target, two batteries and charger, ethernet connection cable, user manual (digital), calibration certificates for scanner and verification target, quick start guide, belt holster

FMT3 Dimensions (Tool Only)

Size	14" x 6" x 3.25"
Weight	3.2 lbs

Optical Configuration

Scan Volume	2.0" x 1.5" x 0.5"
Scan Resolution	Lateral resolution approximately 0.001" (per pixel), depth resolution < 0.001", line spacing 0.015-0.18"
Laser	Class 2 laser (IEC 60825-1), no protective equipment required; do not stare into beam

User Interface

Touch Panel Display	Capacitive touch 4.3" color touch screen
Connectivity	Ethernet port, and USB type A

Computing, Storage, Power

Data Storage	120 GB non-volatile memory, measurement data stored on device (~20,000 measurements if raw scan data is stored), configurable
Processor	Intel Intel® Core™ i3-8145UE
Battery	Inspired Energy NC4040QE50 Rechargeable Smart Lithium Ion Battery Pack (10.8 V, 5.0Ah, 8.0 A, 60 W)
Battery Charger	Inspired Energy CH1000

Measurement Capabilities

Scan Time	1-2 seconds per scan
Countersink Inspection	Countersink depth (predicted installed fastener flushness), cone angle, OML diameter, countersink axis angle (relative to surface normal), countersink axis orientation
Unfilled Fastener Flushness	High point, low point, center point depth relative to OML, diameter of fastener head, angle of fastener relative to OML, measurement of flat driven fasteners and blind stemmed fasteners
Filled Fastener Flushness and Missing Material	High point, low point relative to OML
Surface Finishes	Primed composite, unprimed composite, matte and raw machined metallic surfaces
Surface Curvature	Minimum 6" radius of curvature, concave, convex, complex curvatures accounted for.
Accuracy, Precision, Repeatability	Typically ~0.0003" (~7.6 micron) RMS

Environmental Conditions

Indoor Use	Temperature 5 °C to 40 °C (41 °F to 104 °F), maximum relative humidity 80 % for temperatures up to 31 °C (88 °F) decreasing linearly to 50 % relative humidity at 40 °C (104 °F)
------------	--

WORLD'S BEST HEARING PROTECTION DEVICE

HGU-99/P



Head and Hearing Protection for Extreme Environments

HGU-99/P provides three layers of hearing protection for best-in-world performance. It is compliant with ANSI Z89.1 (Industrial Hardhat) Impact Energy Attenuation Specification. Its integrated "face-to-face" communication system and ability to interface with various radio systems make it a powerful tool for extreme environments and high-demand jobs.



HEAD
PROTECTION



HEARING
PROTECTION



COMMS
SYSTEM

Three Layers of Hearing Protection for Unsurpassed Performance



HGU-99/P

Protection when it matters

The HGU-99/P Hearing Protection Helmet (HPH) makes the dangerous, dynamic, and extremely loud aircraft carrier flight deck environment safer for personnel. It offers three layers of passive hearing protection, providing unmatched attenuation.

HGU-99/P includes integrated electronic “face-to-face” technology to recreate the ambient soundscape at safe levels. Our technology allows personnel to maintain situational awareness while simultaneously protecting their hearing.

HGU-99/P

**Noise
Reduction
Rating** **34** Decibels
(When used as directed)

THE RANGE OF NOISE REDUCTION RATINGS
FOR EXISTING PROTECTORS IS APPROXIMATELY 0 TO 30
(HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)

Edare, LLC
Lebanon, NH HGU-99/P

Federal law prohibits
removal of this label
prior to purchase LABEL REQUIRED BY U.S. E.P.A.
REGULATION
40 CFR PART 211 SUBPART B

HGU-99/P WITH FOAM EARPLUGS

**Noise
Reduction
Rating** **39** Decibels
(When used as directed)

THE RANGE OF NOISE REDUCTION RATINGS
FOR EXISTING PROTECTORS IS APPROXIMATELY 0 TO 30
(HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)

Edare, LLC HGU-99/P WITH
Lebanon, NH SOUNDGUARD™ FOAM EARPLUGS

Federal law prohibits
removal of this label
prior to purchase LABEL REQUIRED BY U.S. E.P.A.
REGULATION
40 CFR PART 211 SUBPART B



The appearance of US DoD visual information does not imply or constitute DoD endorsement.