



AVIATION FIXED & ROTARY WING HELMETS

TIGER/MSA LH050H, LH250H, LA100H HYBRID MULTI ROLE



Precision-Built | Superior Strength | Tactical Comfort

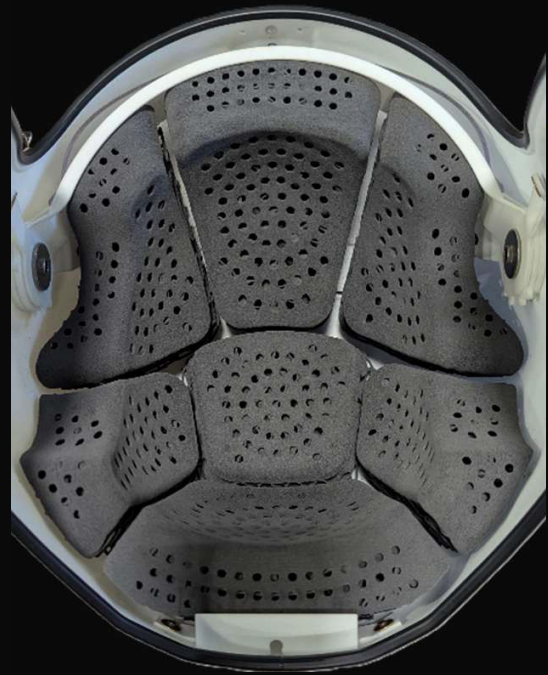


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The TIGER/MSA HYBRIDE HELMETS are highly advanced compared to the original MSA models. Aircraft pilots and crew members benefit from greatly increased safety, comfort and operational capabilities. Improvements include greatly increased impact protection, customized fitting and comfort, full heat rejection ventilation and a wide range of additional optional features and accessories.

The original MSA LH050 (single visor rotary wing), LH250 (dual visor rotary wing) and LA100 (oxygen mask) helmets first released 26 years ago share the same helmet shell and visor systems. They have withstood the stand of time while still being very popular choices because of the basic lightweight, compact, comfortable and user-friendly design. Tiger Performance has now advanced these models to be the most highest technologically advanced family of aviation helmets.



Advanced Features and Benefits:
Patented Advanced customizable LCE/Lattice High Shock Absorbing Modular
Impact/Comfort liner,

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Impact Protection Precision Fit & Comfort

- Patented LCE - Lattice Modular Liner: Impressio Tech's ultra energy dissipative LCE material enables improved performance, multi-impact protection, and adaptability to high and low impact energy events.

The open architecture and modular design improve overall thermal and physical comfort while tailoring the seven pads to a user's head shape for a semi-custom fit.

A fully customized liner via a 3D head scan is available for unmatched comfort and reduced neck fatigue.

Impressio Tech's LCE-Lattice Liner technology is currently undergoing U.S. Military testing and validation.



- **Optional, Helmet mounted ventilation/air conditioning system (Patent Pending)**

The World's First Helmet Integrated Fan Powered System with on/off speed control dial. Plug and play design is easy to install or remove for off season stowage. Includes a plug in voltage regulated and concealed power cable. Draws fan powered cockpit conditioned air into the helmet or non air conditioned air provides evaporative cooling. Enjoy continuous and adjustable in-flight helmet cooling.



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Optional Multi-Device Power Management System (Patent Pending)

This is the world's first helmet integrated power system that provides power for all helmet mounted accessories including ANR, NVG goggles, Fan powered ventilation/Air conditioning system, heads up display and NVG green/white headlights. System Includes a helmet integrated battery cradle that is contoured to the helmet with an embedded magnetic circle for battery attachment (cell phone style). The cradle can be Velcro or screw hard mounted. A 5000 mAh rechargeable lithium polymer battery. A USB-C concealed battery power supply splitter harness connects to the respective helmet accessories concealed power cables. Aircraft power to helmet power management also available.

Available Power Cables

-ANR Communications Power Cable – voltage regulated and fully concealed.

-NVG Power System – includes voltage regulation, waterproof USB-C jack, and on/off button; features a 3" jumper cable for -ANVIS mount connection.

☒ Heads up display power cable, plug-in voltage regulated and concealed

☒ Dual NVG green/white headlights power system, with helmet mounted with on/off color selection switch and concealed voltage regulated power cable.

-Helmet Cooling Power Cable – plug-in and concealed.

-Heads-Up Display Power Cable – voltage regulated and concealed.

-Dual NVG Green/White Headlights – helmet-mounted with on/off and color selection switch.

NVG Quick Release Adapter

Compatible with MSA LH-050, LH-250, and Lh-100 configurations can be (easily removed when not in use) providing rapid and secure NVG mounting and removal.

- **Advanced Helmet communications**, a complete range of David Clark One X helmet integrated communications. Exclusively available from Tiger Performance. includes ANC/Bluetooth with detachable straight or coiled cables with dual GA, helicopter or Lemo plug choices. Available in high or low impedance or ANR non-Bluetooth configurations. The ANR may also be powered by the optional helmet mounted multi-function power supply system, no inline hand controller required
- **Heavy Duty Chin straps**, includes ratcheting or magnetic Fid Lock



PERFORMANCE | PRECISION | MILITARY-GRADE DESIGN

Fluid-Logic Hydration System

Provides wireless push button delivery of drinking water upon receiving preprogrammed haptic notifications. Enables aircrew, ground and marine crew to be safe and stay sharp at peak performance during high temperature and humidity conditions. System includes a compact adjustable padded pack with built-in miniature quiet pump, smart programmed touch pad, rechargeable battery and 50-ounce fluid bladder, 3' mag lock insulated fluid delivery hose that magnetically attaches to the helmet hydration docking port, boom microphone mounted fluid delivery nozzle (fits all styles of boom microphones) and wireless finger or panel mounted push button. The pack may be back of seat or seat pedestal mounted or backpack worn.



Fluid-Logic Hydration System



- **Optional Maxillo Face shields**, with optical see through, fragment and wind protective polycarbonate. Available colors include clear, dark blue iridium, dark chrome and dark smoke. Includes easy to use left and right paddle latches. Opens 120 degrees. Easy to install or remove. New carbon fiber version, coming in 2026
- **Optional NVG quick release adapter**, heavy duty and non-corrosive stainless steel/class 2 anodized hardware

Future US DOI/USFS Certification



PERFORMANCE | PRECISION | MILITARY-GRADE DESIGN



Worn by Operators

★ ★ Built for ★ ★

Missions

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