

SCALABLE LIGHT SCOUT ATTACK HELICOPTER

For more than a decade, the AH530 line has proven its exceptional value in combat, consistently maintaining a 90% operational readiness. Its exceptional versatility allows a modest fleet to support a wide range of missions, from training, attack, and scout to escort, interdiction, and surveillance. Now the aircraft is available in a rapidly configurable design allowing for expansion from a training helicopter to a light attack scout and heavily armed precision weapons platform.

MD MILITARY PRODUCT LINE

TRAINING | LIGHT ATTACK SCOUT | INCREASED PRECISION WEAPON ATTACK

A five-blade four-person helicopter with single pilot capability, the AH530 delivers superior performance, high mission versatility, and unmatched maneuverability.

TH530/AH530 FEATURES

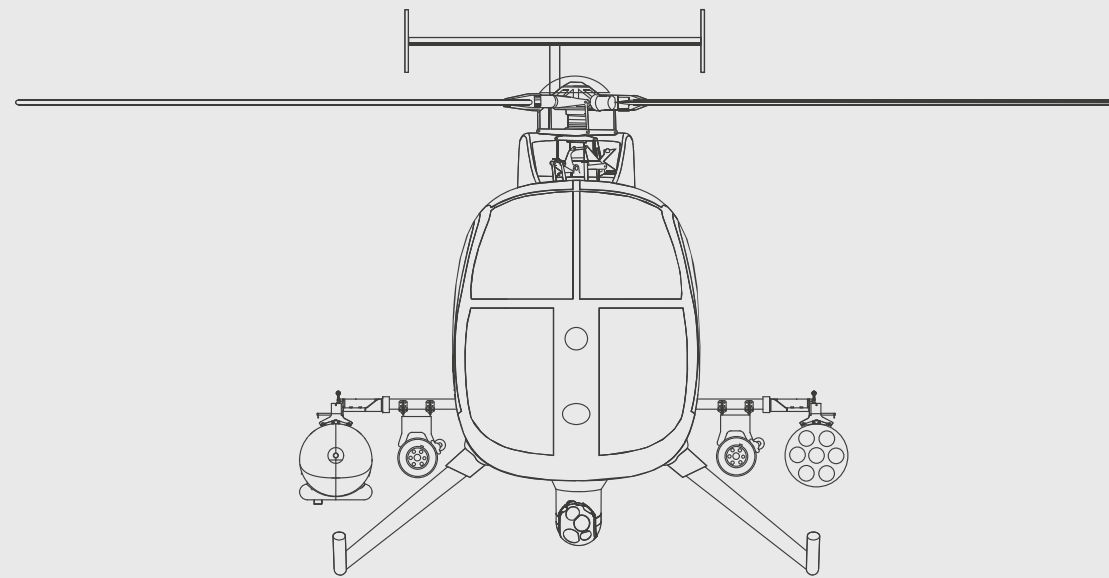
- Rolls-Royce 250-C30 650-shp Turbine Engine
- 650-shp Drive System
- Fail-Safe Static Rotor Mast
- 10+ Years Proven Combat Use
- Smaller, Lighter Communications & Navigation Unit
- Cockpit & Cargo Ballistic Protection
- Narrow, Light, & Agile Fuselage Allows Weapons System to be Mounted Closer to Airframe for Greater Confined Area Maneuverability
- Fully Articulated Rotor System & Control Rods
- Hydraulic-Free Systems Deliver:
 - Lower Operating Costs
 - No Hydraulic Failures
 - Reduced Forces on Flight Controls
- Crashworthy A-Frame Truss Design with Energy Absorbing Airframe Structure for Superior Survivability
- Flat Cargo Floor
- Superior Outward and Downward Visibility

Armor configurations:

- .50 caliber guns
- Guided and Unguided Missiles
- 4 Stations

COMBAT PROVEN POWER

The AH530 slim lightweight design and five-blade fully articulated rotor system allow weapon payloads to mount closer to the fuselage for a smaller profile, providing unmatched stability, control, and maneuverability, especially in confined areas. The battle tested airframe design provides unparalleled survivability and safety while hydraulics-free systems and a fail-safe rotor mast eliminate potentially fatal failures.



TH/AH530 SPECIFICATIONS

Max Gross Weight:	3,750 lb
Useful Load: Internal:	1,199 lb
Max Cruise Speed:	110 kt
Max Operating Altitude:	16,000 ft
Max Range:	263 nm (with LBATS)

TH/AH530 DIMENSIONS

Ground to Rotor Height	8.4 ft. (2.64 m)
Ground to Fuselage Bottom Height	1.6 ft. (0.49 m)*
Main Rotor Diameter	27.40 ft (8.32 m)
Fuselage Width	4.57 ft. (1.40 m)
Fuselage Length	23.88 ft. (7.28 m)
Horizontal Stabilizer Width	5.43 ft. (1.66 m)
Landing Skid Width	6.45 ft. (1.97 m)

*Dependent on gross weight and strut service level



TH/AH530 MILITARY HELICOPTER PLATFORM

Military Trainer | Military Light Attack Scout | Precision Attack Helicopter

As global threats rapidly evolve, the world's militaries require proven, versatile, and effective combat response solutions. The combat-proven TH530/AH530 line of military helicopters delivers an exceptionally agile, powerful, and reliable helicopter with lethally accurate weapons capability. Designed to quickly expand from a properly configured trainer configuration to full weapons systems capabilities, the aircraft features superior speed, agility, and maneuverability, even in high density altitudes, with unmatched confined area performance.

Expandable combat multi-mission platform featuring unparalleled agility, performance, and versatility with low acquisition and direct maintenance costs.

Hydraulic-free design eliminates risk of hydraulic failure, reduces flight control forces, lowers operating costs, and increases aircraft availability.



CONFIGURABLE MISSION SYSTEMS



TH530 TRAINER

The TH530 is the training version of the military line. Ideal for training and performing pilot recurrency, the helicopter comes fully equipped with military interior and a Garmin glass cockpit for direct transfer of skills to the AH530. The aircraft is also equipped with all provisions and bolts to upgrade to either of the AH530 models.



TH530 TRAINER EQUIPMENT

Commercial MD 530 Aircraft Equipment Plus:

- Heavy Landing Gear
- Military Cyclic with Rocket Thumb Switch
- Power Fix
- Mission Configurable Armament System (MCAS) Structural A-Kit
- EO/IR Nose Mount Provisions
- Military Interior
- Weight On Ground (WOG) Switch
- Emergency Locator Transmitter (ELT)
- GTX 345 Transponder
- Right-Hand Command
- Dual Start Capability
- 2 Northern Airborne Technology N301 Audio Control Panels
- Night Vision Imaging System (NVIS)
- Plank optional on trainer aircraft
- Aircraft provisioned for expandability into AH530 or AH530 Block II

AH530 LIGHT ATTACK SCOUT UNGUIDED WEAPONS

The AH530 light attack scout can be rapidly deployed and delivered mission ready with full weapons systems installed.



AH530 LIGHT ATTACK SCOUT EQUIPMENT

All TH530 Equipment Plus:

- Ballistics Tolerant Crashworthy Fuel System (BTCWFS)
- Multi Band Tactical Radios
- L3H Wescam MX-10S
- Integrated Moog Weapon Stores Management System (SMS), Non-laser guided rockets
 - 2, 3, or 4 Station System Integrated Weapons Management System (WMS)
 - 2, 3, or 4 Gun Rocket Units (GRUs)
 - 1 Weapon Control Panel (WCP)
- 4-Station Mission Configurable Aircraft System (MCAS) B-Kit
- Rounds Status Display
- Provisions for 4 Firing Stations
- Weapons Override Switch
- 2, 10-inch Macro Blue Monitors
- Cockpit armor
- M4 Mounts
- Options for NVG, Avionics Upgrade, & Comfort Packages

AH530 BLOCK II PRECISION ATTACK GUIDED WEAPONS

The AH530 Block II provides expanded weapons capability for increased lethal precision and deliverability. Advanced fuselage additions in this model support weapons precision and payload delivery accuracy.



AH530 BLOCK II EQUIPMENT

All AH530 Light Attack Scout Equipment Plus:

- L3H Wescam MX-10D, Airborne Targeting and Designating System
- Curtiss Wright Mission Computer with L3H ForceX WIDOW Mission Management System (MMS)
- Advanced Integrated Moog Weapon Stores Management System (SMS)
 - 2, 3, or 4 Gun Rocket Units (GRU)
 - E-SIU replaced GRU for Hellfire Configured Stations
 - 1 Weapon Control Panel (WCP)
 - 1 Enhanced – Stores Management Computer (E-SMC)
 - 1 Laser Arm Panel (LAP)
- Advanced Precision Kill Weapons System (APKWS)*
- Hellfire Air-to-Ground Missile System**
- Aircraft Recording System (Cockpit Voice, Radio Calls, & Video)
- Advanced Design Door Fairing
- 2, 10-inch Macro Blue Foldable Tactical Screens for the MX-10D Sensor

* Subject to US licensing and export approval
** Subject to qualifications. Optional

