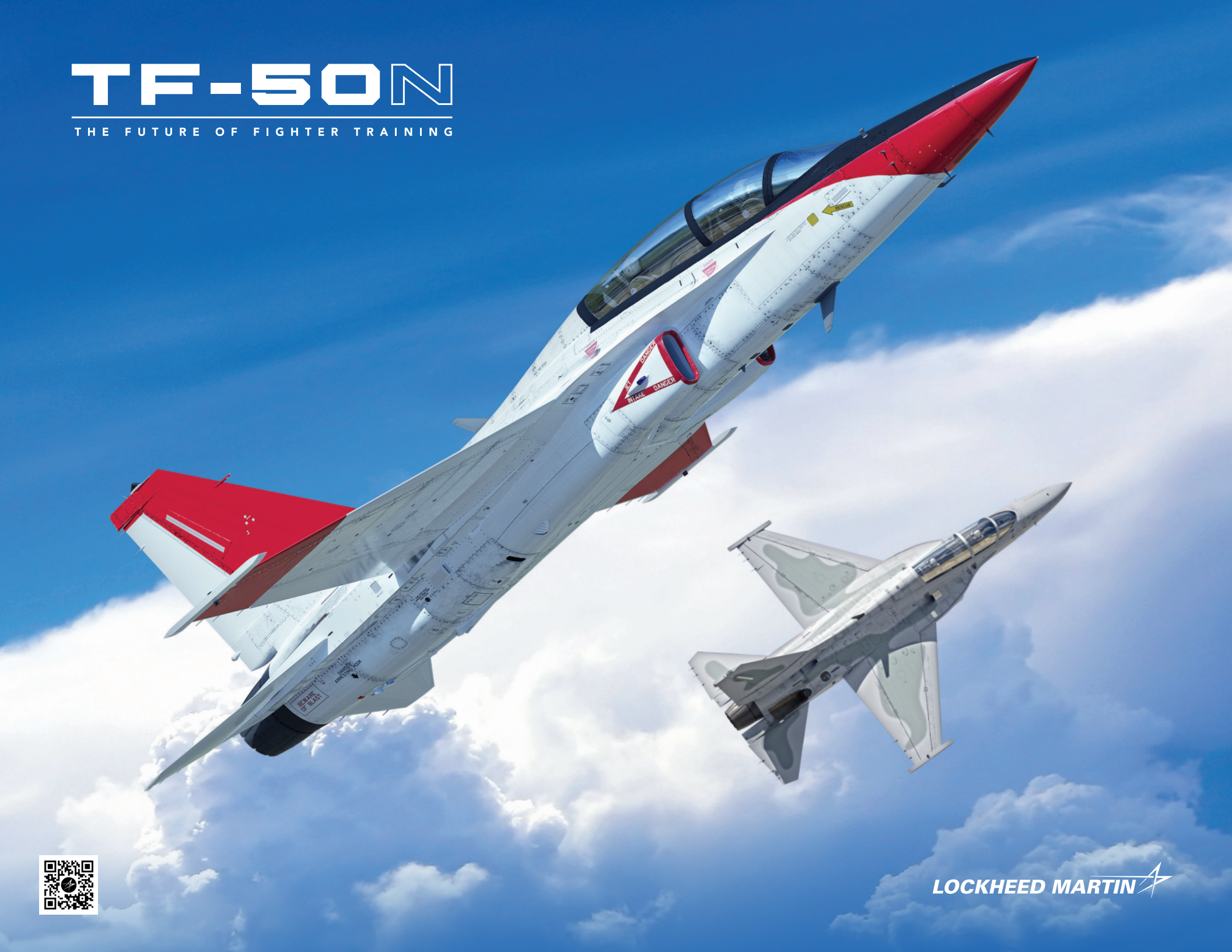

TF-50N
THE FUTURE OF FIGHTER TRAINING
LOCKHEED MARTIN

TF-50N

THE FUTURE OF FIGHTER TRAINING

The Future of Fighter Training for the U.S. Navy and Marine Corps

MULTIROLE PLATFORM OPTIMIZED FOR TRAINING & COMBAT

Lockheed Martin is offering the TF-50N for the U.S. Navy's Undergraduate Jet Training System. The TF-50N is uniquely configured as an advanced trainer and light attack fighter. It features modern capabilities to meet multiple missions including fast jet training, U.S. Navy landing qualification, adversary air, tactical surrogate, and chase. With outstanding mission performance, 21st Century Security advancements, and a production-ready roadmap, the TF-50N is the U.S. Navy and Marine Corps' solution for the next generation of pilot training and beyond.

EFFICIENT PILOT TRAINING FOR ALL FIGHTER GENERATIONS

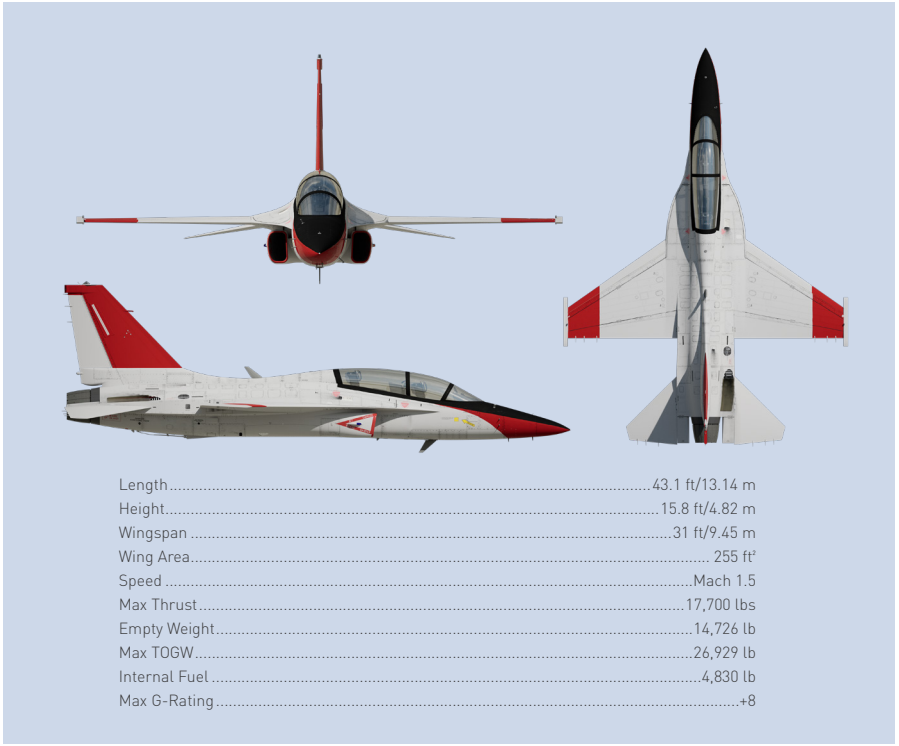
The TF-50N builds on the proven T-50 platform. It is easy to fly and ensures a seamless transition into 4th and 5th generation fighters due to its F-16 and F-35-based DNA. It optimizes training by allowing students to focus their airmanship skills on improved aero performance, digital flight controls, and next-generation sensor systems. The platform has significantly reduced required flight training hours for frontline aircraft. Furthermore, the TF-50N not only meets today's requirements but also the joint battlespace requirements of tomorrow. With an open systems design and modularity that lends itself to rapid, continued modernization, it's ahead of ready to support evolving mission needs.

ENHANCED CAPABILITIES

- 5th Gen Cockpit
- Aerial Refueling
- GE F404 Afterburning Engine
- Triple Redundant Fly-By-Wire Digital Flight Controls
- Multimode AESA Radar
- Electronic Warfare System
- Embedded Training System
- Extended Range
- Ground Based Training System
- Helmet Mounted Display & Cueing
- Link 16 Tactical Datalink
- Open Systems Architecture
- Seven Stores Stations
- Precision Weapons
- Zero-Zero Ejection Seats
- Sniper Advanced Targeting Pod

PRODUCTION READY

TF-50N manufacturing is optimized for efficiency, quality, and cost. The active production line in South Korea is supported by an extended global supplier network and conducts full value stream production — from detailed parts manufacturing through aircraft assembly and delivery. The production system is designed so that a Final Assembly and Check-Out (FACO) facility can be quickly activated as and when needed. Lockheed Martin will complete final assembly for the TF-50N at a Lockheed Martin location within the U.S. from semi-knocked down kits provided by suppliers.



Length	43.1 ft/13.14 m
Height	15.8 ft/4.82 m
Wingspan	31 ft/9.45 m
Wing Area	255 ft²
Speed	Mach 1.5
Max Thrust	17,700 lbs
Empty Weight	14,726 lb
Max TOGW	26,929 lb
Internal Fuel	4,830 lb
Max G-Rating	+8

FULL LIFECYCLE SUPPORT

The platform's operational capability has been proven in deployment across the globe. The reliability, availability, and maintainability are analyzed during the development phase and validated with real operational data. Sustainment support includes enhanced reliability as well as diagnostics and technology to minimize unscheduled maintenance. It also includes predictive health monitoring, a high-velocity supply chain, and a condition-based approach to maintenance. All of this provides better insight into supply and maintenance requirements, improving overall readiness and fleet availability.

T/FA-50 FAST FACTS

300,000+ Flight Hours | 2,500+ Students Trained | 3,750+ Test Flights | 90% Aircraft Availability Rate

More Than 250 T/FA-50s Currently On Order / Operating in 7 Countries