

M-346 T Block 20

The M-346 T Block 20 is a high-performance trainer designed to maximize efficiency and effectiveness in the Lead-In Fighter Training arena. Its quadruple redundant, Fly-By-Wire flight control system, high Thrust-to-Weight ratio, and advanced aerodynamics ensure a high level of maneuverability in all mission configurations, allowing to expose the trainee to a true fighter experience at a fraction of a fighter cost. Its state-of-the-art HMI based on Large Area Displays provides the pilots with excellent situational awareness and low workload,

enabling trainees to experiment the typical next generation fighter environment. The aircraft performance, twin-engine formula, main systems redundancy, Pilot Activated Recovery System, and carefree handling capabilities grant maximum flight safety also for novice pilots. The M-346 T Block 20 is the core of an Integrated Training System based on the Live, Virtual and Constructive concept, blending the actual aircraft with highly realistic simulators and advanced learning



Highlights

Powered by leading edge digital technologies, the Block 20 brings advanced avionics and Human-Machine Interface, state-of-the-art sensors, innovative features for advanced and Lead-In To Fighter training.

- Large Area Display (LAD) for excellent situational awareness and low workload
- Frontline fighter style cockpits for optimal training effectiveness
- Twin engine configuration for maximum flight safety
- Quadruple redundant, digital Fly-By-Wire Flight Control System
- Unparalleled maneuverability
- State-of-the-art Human Machine Interface, for seamless transition to first line fighters
- Embedded simulation of multiple weapon types, sensors and self-protection systems
- Built-in integration with Ground Based Training Systems (GBTS)
- Operational Live, Virtual, Constructive (LVC) training capability



Cockpit - Low workload, high effectiveness



FRONT COCKPIT

Advanced tandem cockpit designed to allow the Pilot and Weapon System Officer to focus on the mission tasks while effortlessly flying the aircraft.



REAR COCKPIT

State-of-the-art avionics and navigation system, fully duplicated HOTAS flight controls for maximum redundancy.

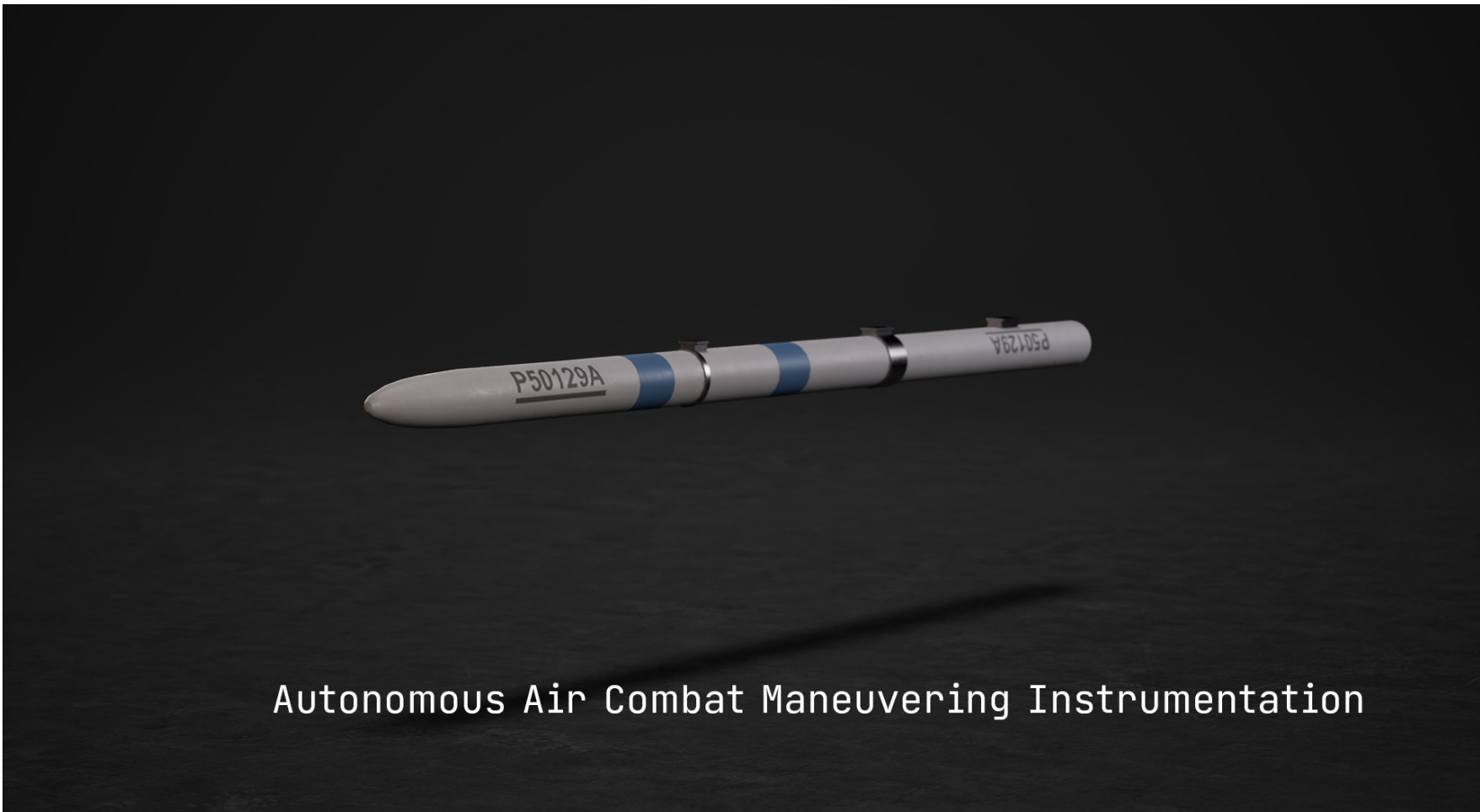
Multiple external stores to simulate a wide range of real payloads



Gun Pod



Bomb and Rocket Dispenser



Autonomous Air Combat Maneuvering Instrumentation



Captive Air Training Missile

Technical Information

Wing area	253.2 ft2 / 23.52 m2
Wing span	33.3 ft / 10.14 m
Length	37.7 ft / 11.49 m
Height	15.6 ft / 4.76 m
Maximum Level Speed (5,000 ft)	575 KTAS
Maximum Level Speed (30,000 ft)	0.9 Mach
Limit Speed	1.1 Mach
Service Ceiling	45,000 ft (13,716 m)
Thrust/Weight Ratio (50% fuel)	0.80
Rate of Climb (Sea Level, Clean TOW)	22,000 ft/min / 112 m/s
Range with 2 external tanks	1,175 nm / 2,176 km
Endurance with 2 external tanks	190 min
Limit Load Factor	+8 g / -3 g
Maximum Take-Off Weight	22,930 lb / 10,400 kg
Usable Internal Fuel (JP-8)	2,500 l / 2,008 kg
Usable External Fuel (JP-8)	3 x 630 l / 3 x 505 kg
Maximum Wing Loading	90.5 lb/ft2 / 442 kg/m2
Maximum Payload	6,614 lb / 3,000 kg
Wing and Fuselage Hardpoints	5
Wingtip Rails	2
Pylons Compatibility	MIL-STD-1760C Class II
Fatigue Life	30 years
Safety Loss Rate	10 ⁻⁶
Mean Time Between Failure (MTBF)	8 FH

Contact Person

SELLER NAME

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