



# *Innovation in Aerial Targets*



**Delivering  
High Performance  
Aerial Target System  
To The Marketplace**

## **BQM-177A AERIAL TARGET SYSTEM**

Approved for public release; distribution is unlimited

# BQM-177A AERIAL TARGET SYSTEM

## SPECIFICATION

The BQM-177A is designed to meet the need for highly dynamic, high subsonic low altitude anti-ship cruise missile emulation. Capable of speeds in excess of Mach 1 and altitudes of over 45k ft, the target additionally fulfills missions including the test and evaluation of new weapons systems as well as the training of aviators in air to air combat by simulating enemy aircraft.

The platform was selected as the singular choice of the US Navy for their next generation of subsonic aerial targets.

The BQM-177A can support various mission requirements by carrying a variety of internal and wing tip mounted payloads. Payloads include smoke, scoring, IFF, passive and active radar augmentation, infrared (IR) including plume pods and internal chaff and flare dispensing, and electronic counter measures.

Length	17 ft.
Wingspan	7 ft.
Dry Weight	520 lbs.
Engine	1000 lb. Thrust Turbojet
Maximum Launch Weight	1400 lbs.
Internal Payload Capacity	3ft. <sup>3</sup>
Wing Station Payload Capacity	100 lbs. per side
Maximum Speed	1.1 Mach
Operational Altitude	6.6 ft. AGL to 45,000 ft. MSL
Maneuverability	-2g to 9g
Std. Fuel Capacity	63 US gallons
Smoke Oil	2.2 US gallons
Command & Control System	Configurable (Up to 8 simultaneous targets)

Other Capabilities	IR Tows IR Captive Wing Pods RF Tows RF Captive Wing Pods Chaff/Flare Dispensing EA Payloads (Pod or Internal)
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