



MICROFLY III[®]

Guided Precision Aerial Delivery System



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WHERE TECHNOLOGY » TAKES FLIGHT

MicroFly III[®]

GUIDED PRECISION AERIAL DELIVERY SYSTEM

MicroFly II is a reusable autonomous equipment delivery system intended to fly autonomously to the IP (impact point) without external guidance. MicroFly II can be used to accompany HALO/HAHO teams during insertion, eliminating the need for jumper's to directly carry or search for unaccompanied cargo.

Capability

- Able to fly autonomously or manually with an optional remote which can control multiple MicroFly III systems simultaneously
- Will match the speed and rate of descent of a jumper under canopy, allowing the MicroFly III to lead the unit to the IP while also remaining in close contact
- Will autonomously land into the wind, and if desired, a landing azimuth can be entered for a landing along a linear feature such as a road or a mountain ridge
- MicroFly III incorporates Vertical Descent Mode (VDM); reducing the glide of the canopy from 3.25:1 to 1.5:1

Ease of Use

- Same pack and preparation time as a conventional personnel parachute
- Can be rigged to a bundle in 10 minutes with no pyrotechnic devices
- Data required: location, elevation of the IP, and payload GRW

Deployment Options

- In a drogue-fall (HALO) configuration: allows maximum flexibility when time over target is limited
 - Main canopy deployment can be programmed with a time delay or the above-ground-level altitude
- For HAHO operations, the drogue delay time can be set to zero
 - Main canopy will deploy immediately upon exit from the aircraft

Canopy Options

- Intruder[®] 360 (RA-1)
- Intruder[®] 530

With a development effort, additional canopies can also be qualified for use with the system

Specifications

	Intruder 360 (RA-1)	Intruder 530		Airborne Guidance Unit
Canopy			Size	17.5 x 12.5 x 5.5 in (44.5 x 31.8 x 13.9 cm)
Gross Rigged Weight			Weight	27 lbs (12.25 kg)
Minimum	250 lbs (113.4 kg)	360 lbs (226 kg)	Charge Time	3 hours
Maximum	500 lbs (226.8 kg)	1000 lbs (399 kg)		
Physical Characteristics				Remote Guidance Unit
System Weight	49 lbs (22 kg)	49 lbs (22 kg)	Size	7 x 5 x 1.5 in (18 x 12.5 x 3.8 cm)
Surface Area	360 sqft (33.4 m ²)	530 sqft (49 m ²)	Weight	1 lb (0.45 kg)
Cell Count	9	7	Battery	Standard AA
Release Altitudes			Display	Backlit/night vision goggle readable Location continuously updated
Maximum (AMSL)	24,500 ft (7,467.6 m)	24,500 ft (7,467.6 m)		
Minimum (AGL)	3,500 ft (1,066.8 m)	3,500 ft (1,066.8 m)		
Max Glide Ratio, no wind	4:1	4:1		