

# MICROFLY™

## GUIDED PRECISION AERIAL DELIVERY SYSTEM

The MicroFly™ is an autonomous equipment delivery system that emphasizes ease of use, flexibility, and low cost. By incorporating proven technology with innovative design, Airborne Systems has created a safe and reliable system that meets the needs of the modern warfighter.

The MicroFly™ is intended to fly autonomously to the IP (Impact Point) without external guidance. Should a user desire to fly the MicroFly™ manually, a remote is included which can control multiple MicroFly™ systems simultaneously. The MicroFly™ can be used to accompany HALO / HAHO teams during insertion and can be used to supply elements on the ground.



### Ease of Use

Packing and preparation of the MicroFly™ takes no longer than the time to pack a conventional personnel parachute. Rigging of the MicroFly™ to a bundle can be accomplished in 10 minutes and requires no pyrotechnic devices. Once rigged, the only data required to place the MicroFly™ into operation is the location and elevation of the IP. If desired, a landing azimuth can be entered for a landing into the wind or along a linear feature such as a road.



### Flexibility

The MicroFly™ can be used with any canopy manufactured by Airborne Systems, to include the Intruder, MC-5, HG-380 (Hi Glide), and other canopies based on mission requirements.

### Low Cost

The MicroFly™ has a low unit cost. In addition, the proven MicroFly™ system allows users to employ Precision Aerial Delivery technology without expensive test sessions and development costs. The training for the MicroFly™ is also extremely affordable and allows for quick implementation of Precision Delivery capability.

MicroFly™ Rigged for Static Line Insertion

### Performance Matching

The MicroFly™ will match the speed and rate of descent of a jumper under canopy. This allows the MicroFly™ to lead the unit to the IP while allowing the unit to remain in close contact with the MicroFly™. Being in close proximity of the MicroFly™ ensures that the unit will not become separated from its equipment and allows the MicroFly™ to be used as a pathfinder to the IP.

*This data sheet is for information only and shall not form part of a contract*

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### Tandem Bundle Comparison

When mission requirements demand additional equipment which cannot be carried by conventional means, the only current alternative is a tandem bundle parachute system. These systems require specialized equipment, additional training, and an increased requirement to maintain currency and proficiency. In addition, a tandem bundle jumper is at a disadvantage during insertion because the difference in the canopy and wing loading result in a faster rate of descent and faster airspeed than other jumpers in the element. This means that the jumper with the bundle may be alone when landing in the drop zone. In addition, in the event of a malfunction the tandem bundle jumper could jettison the bundle which would descend under a non-steerable round parachute. When this occurs the infiltrating element must either abandon its equipment or fly to an unplanned location to search for the bundle. Either scenario would result in significant changes to the planned mission.

Unlike a tandem bundle system, the MicroFly™ requires no specialized equipment, no additional training, and allows the unit to remain intact and in control of its equipment through the entire insertion phase of the operation.



MicroFly™ and Insertion Element with Intruder 360 Canopies

### Proven Performance

The MicroFly™ AGU (Airborne Guidance Unit) is based on Airborne Systems 2K FireFly™. The Intruder canopies are accepted Military Free Fall canopies in the world. These factors combine enough capability to meet any demand.

The MicroFly™ is a safe and effective platform which can improve a unit's mission capabilities without compromising safety or increasing training requirements. It is built on a foundation of proven technology which has been accepted by users worldwide. The MicroFly™ is a robust system that offers full functionality and limitless potential but at the same time is simple to operate and maintain.

MicroFly™ Airborne Guidance Unit	
Size	16" X 10" X 5" (40cm X 25cm X 12,5cm)
Weight	30 lb (13,6 kg)
Charge Time	45 minutes from zero charge to full charge
Deployment Method	Static Line
Software upgradeable and repairable through internet at any time via 802.11 wireless modem	

Remote Guidance Unit	
Size	7" X 5" X 1.5" (18cm X 12,5cm X 3,8cm)
Weight	1 lb (0,45kg)
Battery	Standard AA size
Display	Backlit / Night Vision Goggle Readable
Range	18 miles / Line of sight
Metric / English units selectable	
MicroFly™ location continuously updated and graphically depicted on screen	