

UAV Recovery systems

Arial Miliraty Delivery

Drone Rescue & recovery

Services



Welcome to

Manta Air.

UAV recovery systems



Manta Air was established in 2004 by two aeronautical engineers with more than 30 years of knowledge and expertise in the design and manufacturing of parachute systems.

We specialize in the development and manufacturing of innovative recovery systems for UAS and drones.

Since 2004 we have been working closely with our partners from the world's leading aerospace and AUS companies, developing, testing and bringing to perfection our advanced recovery systems.



Based on our rich experience and leading-edge approach, we can offer solutions to the most complex tasks. We have delivered thousands of stable working systems as we pay great attention to the quality and precision with which our products are manufactured to meet the highest military-grade standards.

Making every recovery, repeatedly successful



Manta Air.





Parachutes

At Manta, we design and manufacture various types and shapes of parachutes that will fit any tactic need.

From 1 kg Drone parachutes to 5-ton air supply systems, all in house.



Research & Development

For complex project and tailor-made requirements, a dedicated Mechanical engineer will be working with the client and manage and develop the textile, manufacture all strings and accessories and assembly on premises of the factory.



Para Foil & Gliders

We provide full in-house support for string and fabric testing, competition wings development and much more solutions for the sport parachute industries.



Airbags & Parachutes



Air Bags for Avionics protection

Although the UAV is equipped with a parachute to lower the speed of descent, the bottom of the UAV, where usually all the cameras and avionics are located, is extremely vulnerable and rough landing could cost a fortune.

A precisely engineered airbag is a great solution to absorb impact energy and prevent any damage to UAS and inner electronics.

Each of our airbags is custom developed and based on a unique geometry solution and meticulous material selection.

The airbag inflates before impact and allows a safe and secure landing.

No Runway? No problem!

In situations like rough soil or on-water landing, we have developed an inflatable UAV recovery net that will allow the UAV a safe and secure landing anywhere.

The platforms light weight, allows for multiple applications and quick transportation.

Deployed in less then 1 minute by 1 person, allows for up to 50KG UAVs landing.



Inflatable UAV Recovery platform









Multi-Rotor UAV Recovery system

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P N	Dia Main Ø [mm]	Payload weight kg@ 5 [m/s]	Number of Gores
FLC-900	900	1.2 - 2.0	8
FLC-1200	1200	2.2 - 3.4	8
FLC-1800	1800	5.0 - 7.7	10
FLC-2400	2400	9.0 - 13.6	10
FLC-3000	3000	14.1 - 21.3	12
FLC-3600	3600	20.3 - 30.6	12
FLC-4200	4200	27.7 - 42	16
FLC-4800	4800	36.1 - 54.3	16



Multi-Rotor Recovery



Engineering & Design

With our mechanical engineering services, you can achieve cost-effective innovations with your mechanical designs—today.

The depth and scope of our capabilities go beyond traditional providers. Our diversified resources pool allows us to be extremely reactive and versatile for our custom product development process.



Manufacturing

We are committed to helping OEM's manufacture their products at a competitive price.

Our customers include manufacturers of Drones, UAV, specialized equipment and military supply.

- Textile
- Strings
- Accessories
- 3D printing

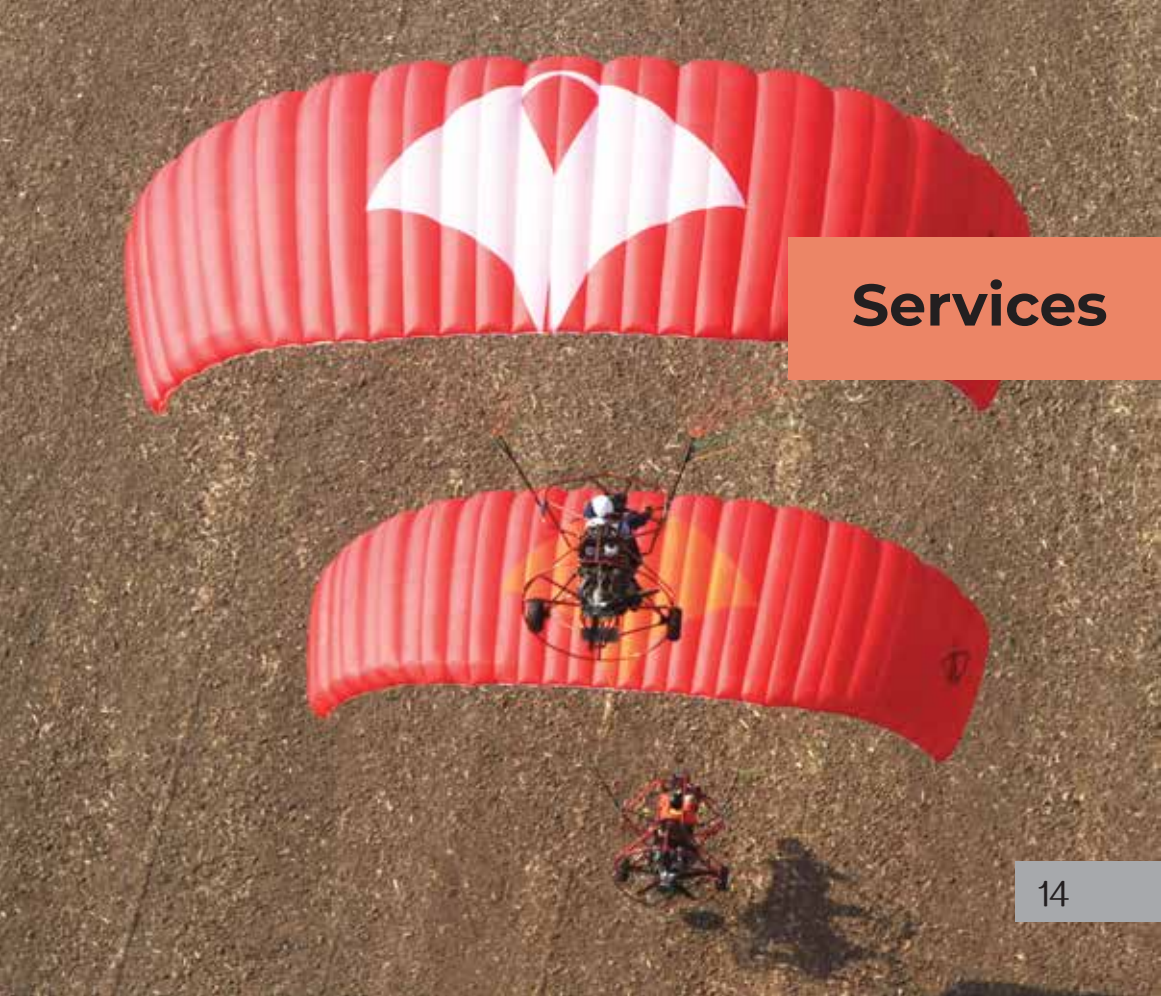


Testing & Certification

Calling on years of in-depth technical knowledge and understanding, our teams take pride in consistently delivering high-quality field testing services that deliver against detailed design specifications and standards.

- Airbag Drop Test.
- Parachute deployment Test.
- Field testing





Services



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