



# **Albatross Flying Systems**

# **Introduction to Albatross Flying Systems.**

- India's Premier & Only Manufacturer of Powered Hang Gliders, Powered Para Gliders, Paramotors & Microlight Aircrafts.
- Manufacturer of Various Types of Propellers & Turbines.
- Supplier of accessories for Various Microlight Aircrafts.
- Supplier of Powered Hang Gliders & Other Aviation Equipment to the Indian Army, Navy & Airforce.
- Authorized Dealers of Zenair (Canada), Apco, ITV, Fresh Breeze, Fly Products, Simonini, Polini, Aeros & Airborne
- Consultancy Services for Aircraft Import and setting up of Aero Sport Clubs.

# **Approvals & Licenses Obtained by Albatross Flying Systems.**

- Licensed to build CRUISER trikes by Sportflight International USA.
- DGCA approved Manufacturer of Powered Hang Gliders & Microlight Aircrafts.
- Registered with SSI in Karnataka.
- Registered with DGFT for Import and Export.
- Registered with Army, Navy & Airforce for supply of Aero Sport Equipment.
- Registered with NAL, ADE, VRDE and Other Govt. Organizations for supply of equipment.

# OUR PRODUCTS:

- Powered Hang Glider
- Powered Para Glider / Paramotor Trike
- Paramotor Backpack
- Flightstar Microlight Aircraft
- Zenair CH 601
- Design & Manufacture of Propellers & Turbine Blades
- Manufacture of Free Flight Hang Gliders
- Engines, Wings & Accessories.

# Powered Hang Gliders



## **Powered Hang Gliders are Available in 4 Configurations:**

- Two Seater Powered Hang Glider with Rotax 582 Engine.
- Two Seater Powered Hang Glider with Rotax 912 Engine.
- Single Seater Powered Hang Glider with Simonini Mini 3 Engine.
- Single Seater Powered Hang Glider with Polini Thor 250 Engine.

# Powered Hang Glider with Rotax 582





# Specifications of Powered Hang Glider with Rotax 582 Engine & Aeros STIL 17 Wing

## Standard Equipment

- Full Pod with Instrument Panel
- Wind Shield
- Vertical Faring
- Wheel Spats
- Hydraulic Disc Brakes

## Engine TBO

Rotax 582, 65 HP, TBO 300 Hours

## Instruments

- Altimeter
- Air speed Indicator
- Vertical Speed Indicator
- Compass
- Digital Engine Instrument System
- Fuel Gauge

## Salient Features

- Cast Aluminium Wheels
- Front and Rear Suspension
- Rear Brakes with Parking Brake
- Wide Composite Seat with Folding Back Rest
- Foot and Hand Throttle with Choke

## Technical Specifications

- Empty weight: 212 kg
- Max. Take-off Weight: 375 kg
- Wing Area: 17 square meters
- Climb Rate: 750 FPM (Solo)
- Stall Speed: 56 kmph
- Maximum Speed: 105 kmph
- Fuel Capacity: 45 litres
- Fuel Consumption: 15-18 litres per hour
- Take off distance: 85 meters
- Propeller: 3 blade composite



## Powered Hang Glider with Rotax 912 Engine & Aeros Profi TL Wing



# Specifications of Powered Hang Glider with Rotax 912 Engine

## Standard Equipment

- Full Pod with Instrument Panel
- Extended Wind Shield
- Vertical Faring
- Wheel Spats

## Engine & Specifications

- Rotax 912 ULS, 100 HP with TBO of 1000 hours
- 4 Cylinder Liquid / Air Cooled Engine with Opposed Cylinders
- Dual Carburettors
- Mechanical Fuel Pump
- Dual Electronic Ignition
- Electric Starter
- Propeller Speed Reduction Unit

## Instruments

- Altimeter
- Air speed Indicator
- Vertical Speed Indicator
- Compass
- EIS for Engine
- Fuel Gauge

## Salient Features

- Cast Aluminium Wheels
- Front and Rear Suspension
- Rear Disc Brakes & Parking Brake
- Rear Seat Nose Wheel Steering
- Wide Composite Seat
- Folding Back Rest
- Foot & Hand Throttle with Choke
- Fuel Tank Mounted Under Seat
- 3-Blade Composite Propeller
- Fuel Consumption: 15 litres per hour
- Range: 400 kilometres (250 miles)
- Take off distance: 100 meters
- Fuel Capacity: 45 litres

## **Single Seater Powered Hang Glider with Simonini Mini 3 Engine**



# Specifications of Single Seater Powered Hang Glider with Simonini Mini 3 Engine

Max level speed (MAUW)	72 kmph
Trim speed range	55 kmph
Stall speed (max weight)	22 kmph
Fuel burn	05 litres per hour
Max climb rate (solo)	300-350 ft/min
Power	34 BHP
Maneuver loads	+4g, -2g
Maximum take-off weight	275 kgs
Take off run (solo)	170 feet
Landing distance (solo)	150 feet

## **Single Seater Powered Hang Glider with Polini Thor 250 Engine.**



# Specifications of Single Seater Powered Hang Glider with Polini Thor 250 Engine

Max level speed (MAUW)	72 kmph
Trim speed range	55 kmph
Stall speed (max weight)	25 kmph
Fuel burn	05 litres per hour
Max climb rate (solo)	300-350 ft/min
Power	37 BHP
Maneuver loads	+4g, -2g
Maximum take-off weight	375 kgs
Cooling	Liquid Cooled
Take off & Landing distance (solo)	170 feet



# Procedure to Purchase & Operate Powered Hang Glider in India.

1. Obtaining security clearance from DGCA/MHA Delhi.
2. Book Your Aircraft with Albatross Flying Systems.
3. Registration and Delivery of the Aircraft.
4. Flying lessons and training (20 hours of flying).
5. Certificate issued by instructor.
6. Ready to fly!





**To Obtain forms for Security Clearance Please Write to:**

**[info@albatrossflyingsystems.com](mailto:info@albatrossflyingsystems.com)**



# Powered Para Glider / Paramotor Trikes



# Powered Para Gliders are available with the following Engine Configurations:

- Rotax 503
- Rotax 582
- Simonini Mini 3
- Polini Thor 250





# **Powered Para Glider with Rotax 503 Engine & ITV Bulldog 40 Wing**



# Rotax 503 Specifications

Max level speed (MAUW)	76 kmph
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Trim speed range	65 kmph
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Stall speed (max weight)	25 kmph
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Fuel burn	12-14 litres per hour
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Max climb rate (solo)	550 ft/min
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Power	50 BHP
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Maneuver loads	+4g, -2g
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Maximum take-off weight	360 kgs
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Take off run (solo)	170 feet
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Landing distance (solo)	150 feet
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# **Powered Para Glider with Rotax 582 Engine & ITV Bulldog 40 Wing**



# Rotax 582 Specifications

Max level speed (MAUW)	76 kmph
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Trim speed range	65 kmph
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Stall speed (max weight)	25 kmph
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Fuel burn	12-14 litres per hour
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Max climb rate (solo)	750 ft/min
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Power	65 BHP
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Maneuver loads	+4g, -2g
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Maximum take-off weight	360 kgs
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Take off run (solo)	170 feet
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Landing distance (solo)	150 feet
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# Phoenix Powered Para Glider with Simonini Mini 3 Engine & ITV Bulldog 38 Wing



# Simonini Mini 3 Specifications

Max level speed (MAUW)	72 kmph
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Trim speed range	55 kmph
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Stall speed (max weight)	22 kmph
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Fuel burn	05 litres per hour
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Max climb rate (solo)	300-350 ft/min
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Power	34 BHP
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Maneuver loads	+4g, -2g
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Maximum take-off weight	250 kgs
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Take off run (solo)	170 feet
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Landing distance (solo)	150 feet
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# Phoenix Powered Para Glider with Polini Thor 250 & ITV Bulldog 40 Wing



# Polini Thor 250 Specifications

Max level speed (MAUW)	72 kmph
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Trim speed range	55 kmph
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Stall speed (max weight)	25 kmph
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Fuel burn	05 litres per hour
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Max climb rate (solo)	300-350 ft/min
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Power	37 BHP
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Maneuver loads	+4g, -2g
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Maximum take-off weight	450 kgs
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Cooling	Liquid Cooled
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Take off & Landing distance (solo)	170 feet
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# **Procedure to Purchase & Operate Powered Para Glider / Paramotor Trike in India.**

- 1. Identify a location for Operation of The Aircraft.**
- 2. Book your Aircraft with Albatross Flying Systems.**
- 3. Obtain Training from Trusted / Well Experienced Instructors.**
- 4. Ready to Fly!**

**Note: You do not require any licenses or permissions to Purchase & Operate Powered Para Glider / Paramotor Trike in India.**

# Paramotor Backpacks





# Paramotor Backpacks are Available from Fly Products in 3 Major Variants:

- 1. Rider Moster 185
- 2. Rider Atom 80
- 3. Rider Thor 250





# Rider Moster 185



# **Specifications:**

**Swept Volume: 184.7 CC**

**Power: 25 Hp**

**Clutch: Centrifugal**

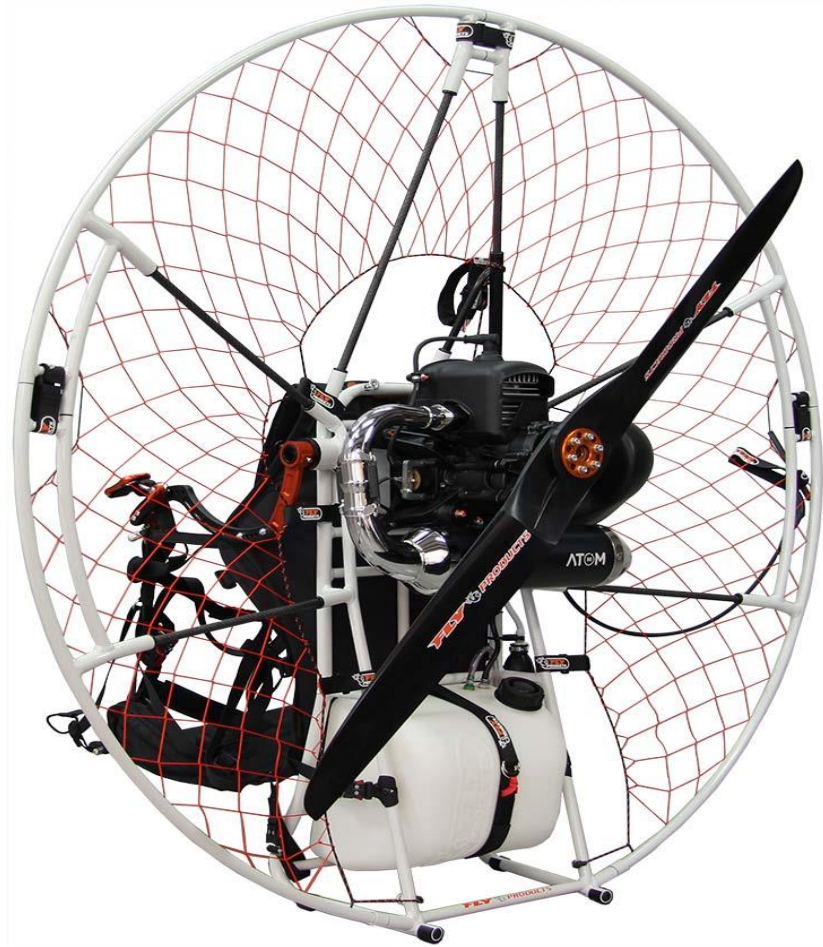
**Weight: 15 Kgs**

**Fuel: Unleaded Fuel With 2T Oil**

**Propeller: 2 Blade Carbon Fiber**

**Start: Electric**

# Rider Atom 80



# **Specifications**

**Swept Volume: 80 CC**

**Power: 14 Hp**

**Clutch: Centrifugal**

**Weight: 12 Kgs**

**Fuel: Unleaded Fuel With 2T Oil**

**Propeller: 2 Blade Carbon Fibre**

**Start: Manual**

# Rider Thor 250



# **Specifications**

**Swept Volume: 244 CC**

**Power: 36 Hp**

**Clutch: Centrifugal**

**Weight: 19 Kgs**

**Fuel: Unleaded Fuel With 2T Oil**

**Propeller: 3 Blade Carbon Fibre**

**Start: Electric**

# **Procedure to Purchase & Operate Paramotor Backpack in India.**

- 1. Choose a Suitable Wing compatible with your Paramotor Backpack.**
- 2. Book your Paramotor Backpack & Wing with Albatross Flying Systems.**
- 3. Obtain Training from Trusted / Well Experienced Instructors.**
- 4. Ready to Fly!**

**Note: You do not require any licenses or permissions to Purchase & Operate Paramotor Backpack in India.**



# Flightstar Microlight Aircraft



# Specifications of Flightstar II SC with HKS 700E

## Standard Equipment

- 60hp HKS 4 Stroke Air Cooled Engine
- Fully Enclosed Cabin with Zippered Sport Doors
- High Lift Wing with Streamlined Struts
- Flightstar Wing Quick Fold System
- Durable Aluminium and Stainless Custom Hardware
- Full Dual Control System
- Anodized Airframe for Corrosion Protection
- 4 Point Pilot Restraint Harness
- Flight and Engine Management Instruments
- In-Flight Adjustable Trim
- 3 Blade Composite Propeller
- Rear Wheel Brake

## Performance

- Cruise Speed 128kmph
- Max Speed 144kmph
- Stall Speed 57.6kmph
- Vne 154kmph
- Climb Rate 600fpm.
- Max Range 250miles
- Roll Rate (45 to 45) 2.8sec.
- Take off Roll 250feet
- Glide Ratio (Engine off) 7 to 1.
- Sink Rate 450fpm.

## Specifications

- Wing Span: 32.5ft
- Length: 19ft
- Wing Area: 162sq ft
- Aspect Ratio: 6.53
- Empty Weight: 220Kgs
- MAW: 450kgs
- Fuel Capacity: 45 litres
- Fuel Consumption: 12-15 litres per hour
- Take off distance: 100 meters

# Procedure to Purchase & Operate Flightstar in India.

1. Obtaining security clearance from DGCA/MHA Delhi.
2. Book your Aircraft With Albatross Flying Systems.
3. Registration and delivery of the Aircraft.
4. Flying lessons and training (60 hours of flying).
5. MPL License from DGCA.
6. Ready to fly!



**To Obtain forms for Security Clearance Please Write to:**

**info@albatrossflyingsystems.com**





# Zenair CH 601



# Specifications of Zenair CH 601

Performance	Specifications
Rotax 912 UL (80 HP)	Wing Span: 27 ft.
Top Speed: 135 mph	Wing Area: 130 sq. ft.
Cruise Speed: 120 mph	Length: 19 ft.
VNE: 150 mph	Fuel Capacity: 60 litres
Rate of Climb:1200 FPM	Cabin Width: 44 inches
Landing Distance: 170 meters	Empty Weight: 250 kgs
Range: 360 miles	Max AUW: 450kgs
Load Factor(G): +/- 6.0	Design load Factor: +/- 6“G”
Take-off Roll: 430 ft.	Wing Loading: 8.0 psf



# Procedure to Purchase & Operate Zenair in India.

1. Obtaining security clearance from DGCA/MHA Delhi.
2. Book Your Aircraft with Albatross Flying Systems.
3. Registration and Delivery of the Aircraft.
4. Flying lessons and training (60 hours of flying).
5. MPL License from DGCA.
6. Ready to fly!



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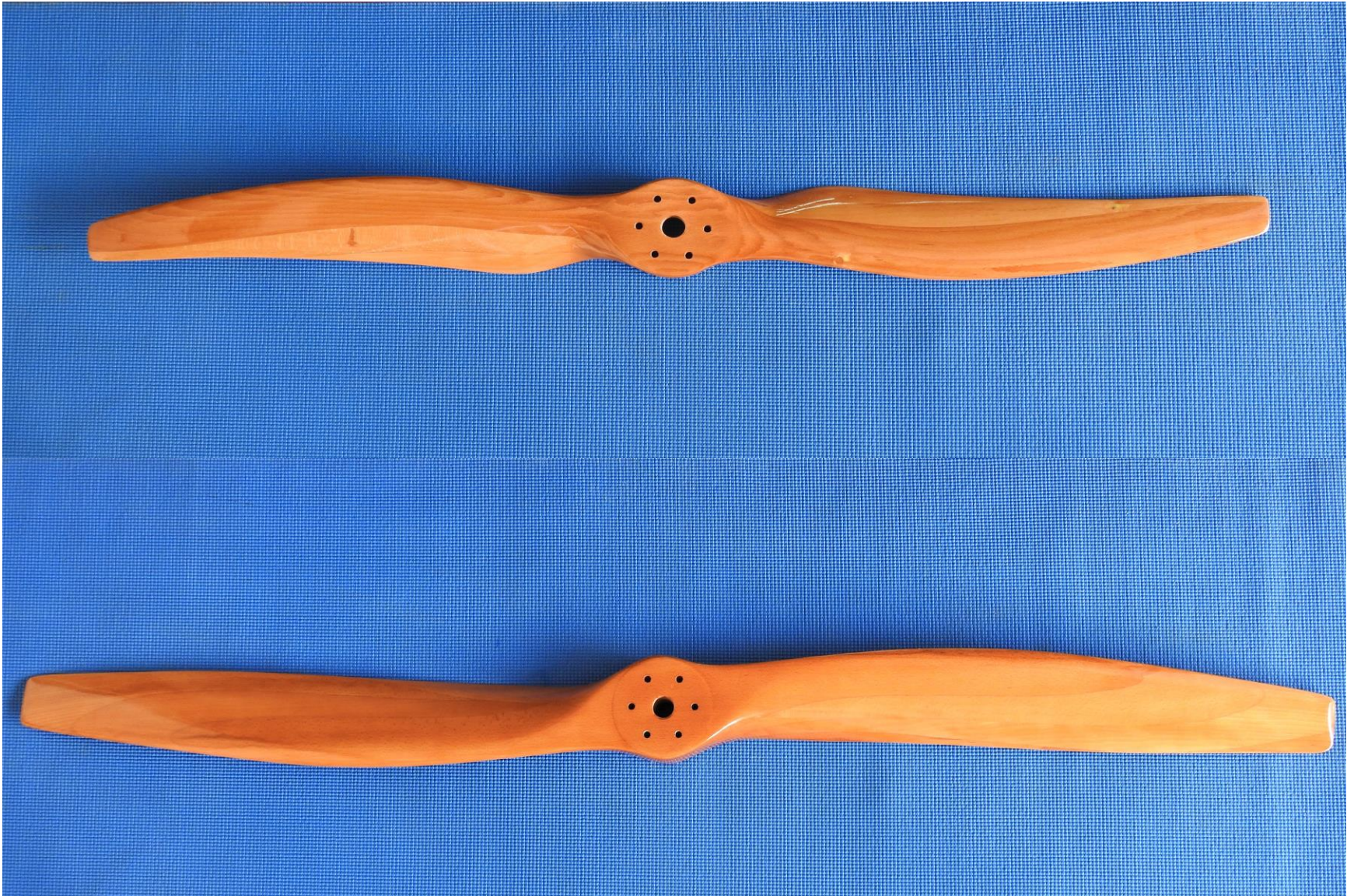
We are a Manufacturing Unit and **DO NOT** Indulge in any kind of Joyrides, Demo Flights or Training. Neither do we issue any kind of Permissions or Licences.

However, as a gesture of goodwill towards our customers, we connect them with Well Experienced Instructors from around the Country who would train them in flying.

The cost & terms of Training to be discussed directly with the Trainers.



# Design & Manufacture of Propellers & Turbine Blades.





With over 50 varieties of Propellers & Turbines Designed and Manufactured at Our Factory, Albatross Propellers are preferred by Pilots Worldwide for their Technical Accuracy and Quality.

Each Propeller is Manufactured with the Best Wood, Static/Dynamically Balanced and Finished to Perfection by our team of Expert Craftsmen before it is out for delivery.

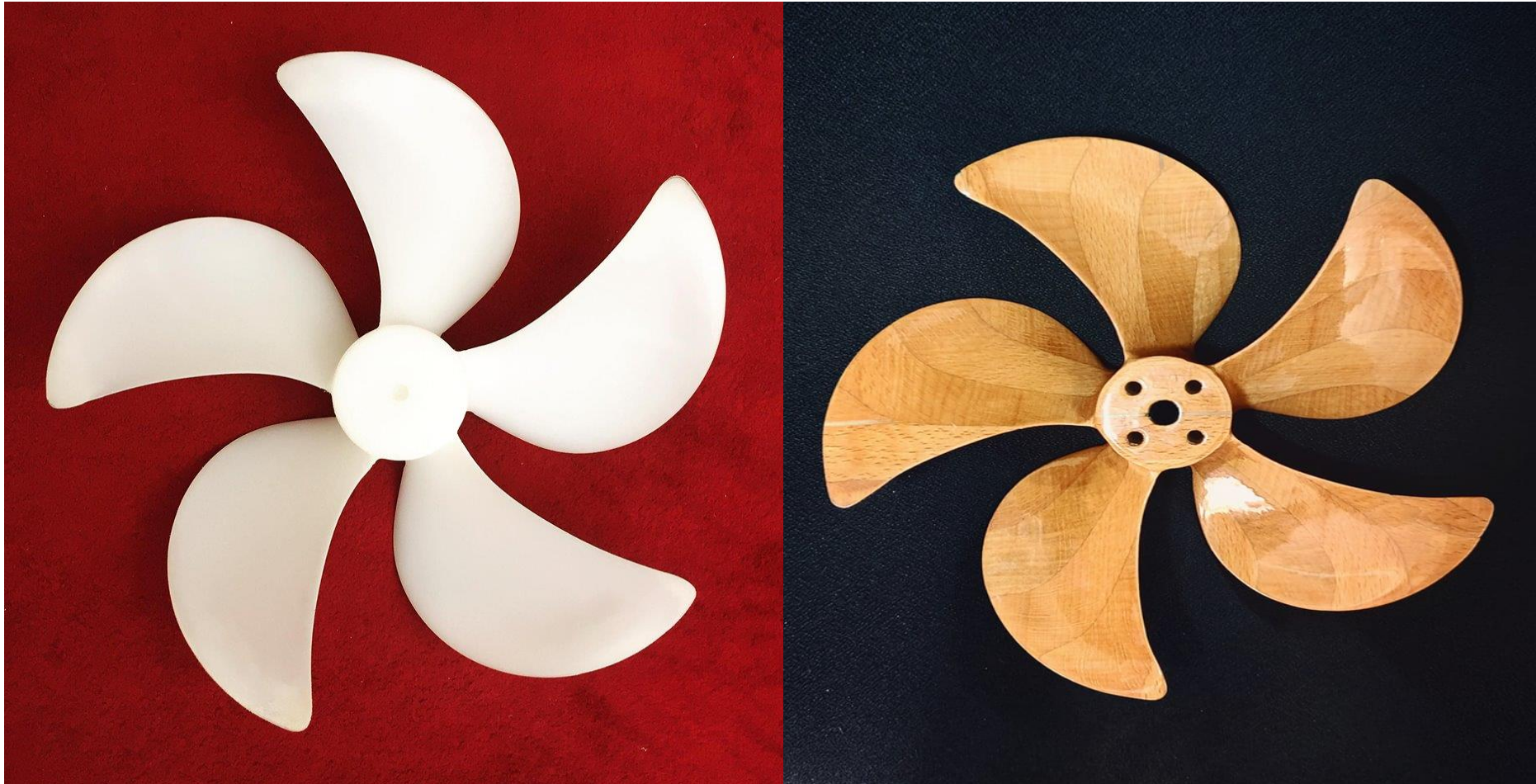
## **We also Manufacture Propellers for:**

- UAV Aircrafts
- Zenair Aircrafts
- Simonini Engines
- Rotax Engines
- Polini Engines
- Jabiru Engines
- Electric Paramotors
- And more...





# **Turbines for R&D Designed and Manufactured at Our Factory.**



# Manufacture of Free Flight Hang Gliders

With a Dedicated **Sail Section** in Our Factory we Design & Manufacture Free Flight Hang Gliders which are Light Weight, Easy to Assemble and Possess Flying Characteristics such as:

- a. Easy Take off
- b. Perfect Manoeuvrability
- c. Obedience & Controllability at Landing.

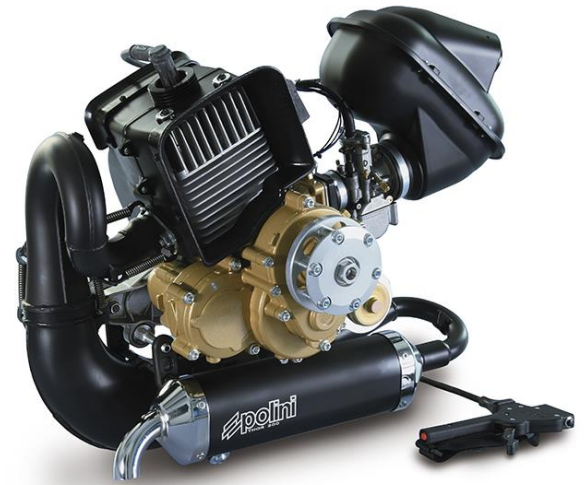
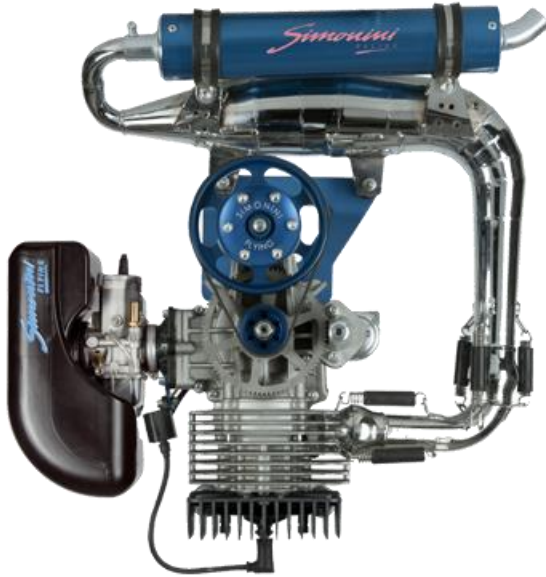




## **We also Stock Other Aviation Related Equipment**



# All Models of Simonini & Polini Engines Available with us





## **Complete Range of ITV & APCO Wings Available with us**



# **Complete Range of Aeros & Airborne Hang Gliders Available with us**





## **After Sales Support & Service:**

With a Dedicated **Stores Section** at Our Factory Premises we Stock Spares of Microlight Aircrafts, Powered Hang Gliders, Powered Para Gliders, Paramotors & various other Aviation Related Products.

We ship worldwide through Express Courier Services.  
For More Complicated Tasks, We Recommend The Aircrafts being Sent to Our Factory by Truck for Expert Diagnosis and Repairs.

# To Purchase Our Products

Please Write to [info@albatrossflyingsystems.com](mailto:info@albatrossflyingsystems.com)

Or Call +91 9916621517, +91 9945651775



# Dealership:

The process is pretty simple. You just have to buy one of our products and start flying. Once you complete this milestone, we will offer you the dealership.



# Our Presence on Social Media

- ❖ Facebook: Albatross Flying Systems
- ❖ Instagram: @albatrossflyingsystems



**THANK YOU**



## **Albatross Flying Systems**

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