



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.

Further, In 2019 Albatross Flying Systems Acquired P&M Aviation UK to become the Worlds Leading Manufacturer of Flex Wing Aircraft.



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



Powered Para Glider / Paramotor Trikes



Powered Para Gliders are available with the following Configurations:

- Rotax 503
- Rotax 582
- Rotax 582 (3 Seater)
- Simonini Mini 3
- Polini Thor 250



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



Rotax 503 (Overhauled) Specifications

Max level speed (MAUW) 76 kmph

Trim speed range 65 kmph

Stall speed (max weight) 25 kmph

Fuel burn 12-14 litres per hour

Max climb rate (solo) 550 ft/min

Power 50 BHP

Maneuver loads +4g, -2g

Maximum take-off weight 360 kgs

Take off run (solo) 170 feet

Landing distance (solo) 150 feet

Powered Para Glider with Rotax 582 Engine & ITV Bulldog 40 Wing



Rotax 582 Specifications

Max level speed (MAUW) 76 kmph

Trim speed range 65 kmph

Stall speed (max weight) 25 kmph

Fuel burn 12-14 litres per hour

Max climb rate (solo) 750 ft/min

Power 65 BHP

Maneuver loads +4g, -2g

Maximum take-off weight 360 kgs

Take off run (solo) 170 feet

Landing distance (solo) 150 feet

Powered Para Glider (3 Seater) with Rotax 582 Engine & ITV Bulldog 40 Wing



Rotax 582 Specifications

Max level speed (MAUW) 76 kmph

Trim speed range 65 kmph

Stall speed (max weight) 25 kmph

Fuel burn 12-14 litres per hour

Max climb rate (solo) 750 ft/min

Power 65 BHP

Maneuver loads +4g, -2g

Maximum take-off weight 360 kgs

Take off run (solo) 170 feet

Landing distance (solo) 150 feet

Phoenix Powered Para Glider with Simonini Mini 3 Engine & ITV Bulldog 38 Wing



Simonini Mini 3 Specifications

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 250 kgs

Take off run (solo) 170 feet

Landing distance (solo) 150 feet

Phoenix Powered Para Glider with Polini Thor 250 & ITV Bulldog 40 Wing



Polini Thor 250 Specifications

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 450 kgs

Cooling Liquid Cooled

Take off & Landing distance (solo) 170 feet

Fly Products Eco 2 Lite with Rotax 582



Fly Products Eco 2 Lite with Rotax 582 Specifications

Rotax 582 Engine Characteristics

- Type: 2-cylinder, 2 stroke, electronic dual ignition
- Displacement: 580 cm³
- Dry weight: 50 Kg with electric starter, carburetors, fuel pump, air filters and reduction gear
- Fuel Type: Unleaded fuel with 2T oil mix.
- Cooling System: Liquid cooled
- Power Output: 64.4 hp at 6500 RPM
- Fuel Consumption: 15 litres/h

Fly Products Xenit Thor 250



Fly Products Xenit Thor 250 Specifications

Polini Thor 250 DS Engine Specifications:

- Type: 2 Stroke Monocylinder
- Displacement: 244 cm³
- Power: 36.5 hp at 7500 RPM
- Fuel type: Unleaded Petrol with 2T oil mix
- Weight: 18.5 Kg
- Clutch: Centrifugal in oil bath
- Compression ratio: 11.5:1
- Propeller rotation: Clockwise
- Fuel consumption: 3-4 Litres/h

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

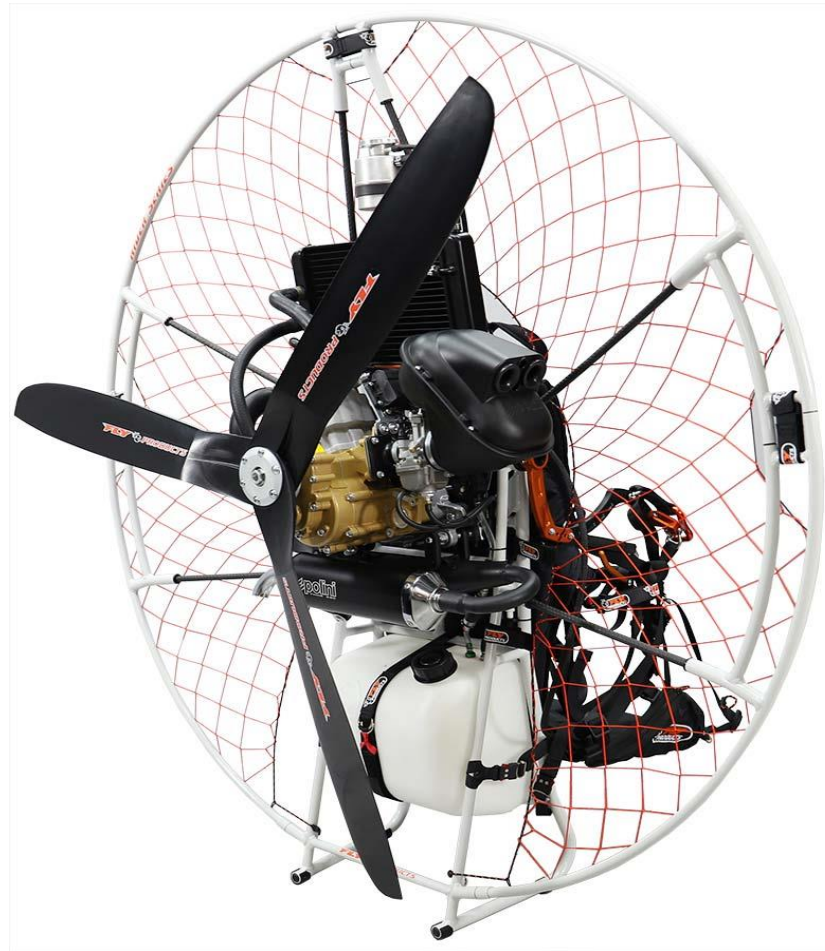
Weight: 12 Kgs

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!



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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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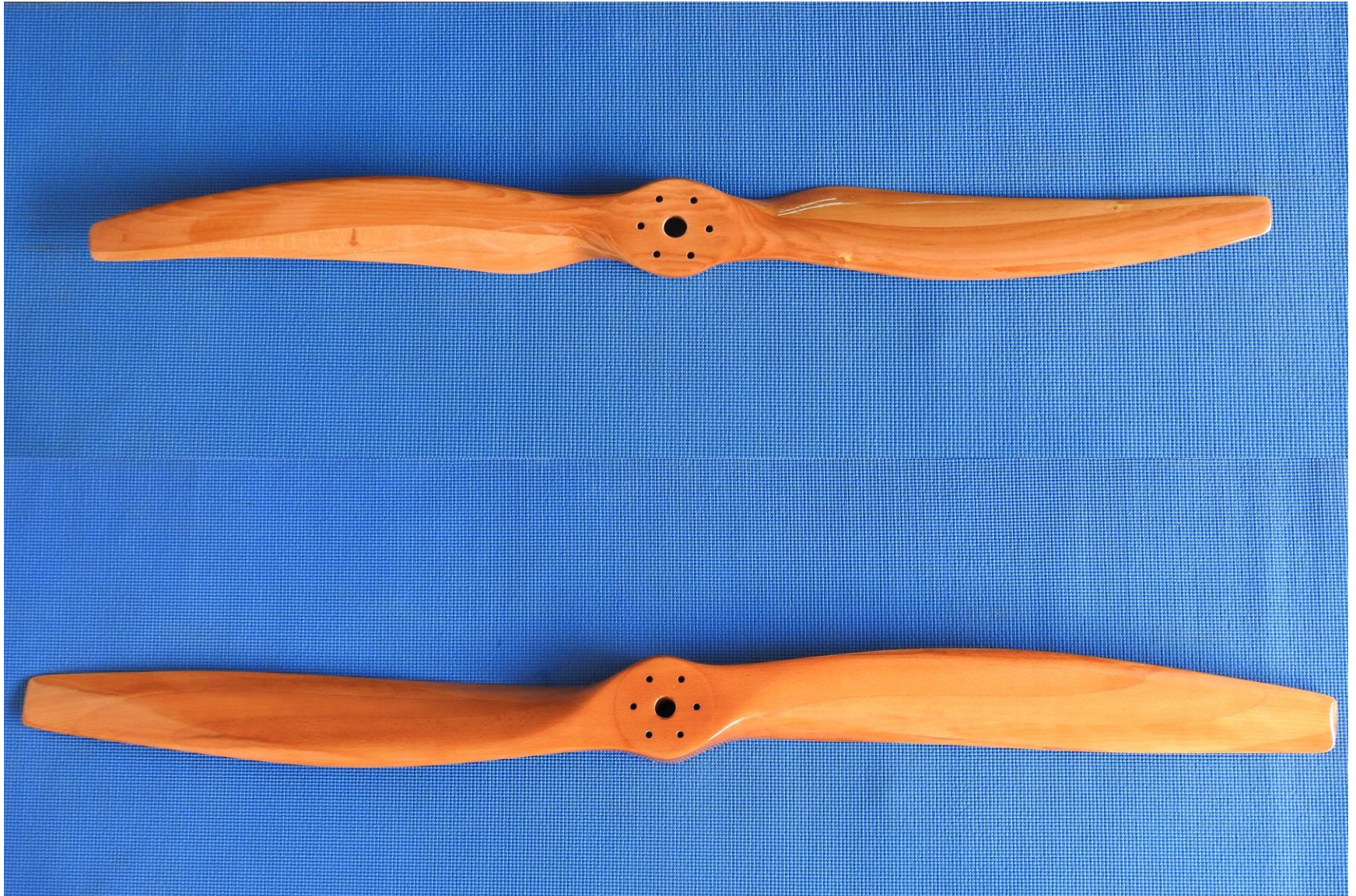
Note:

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.

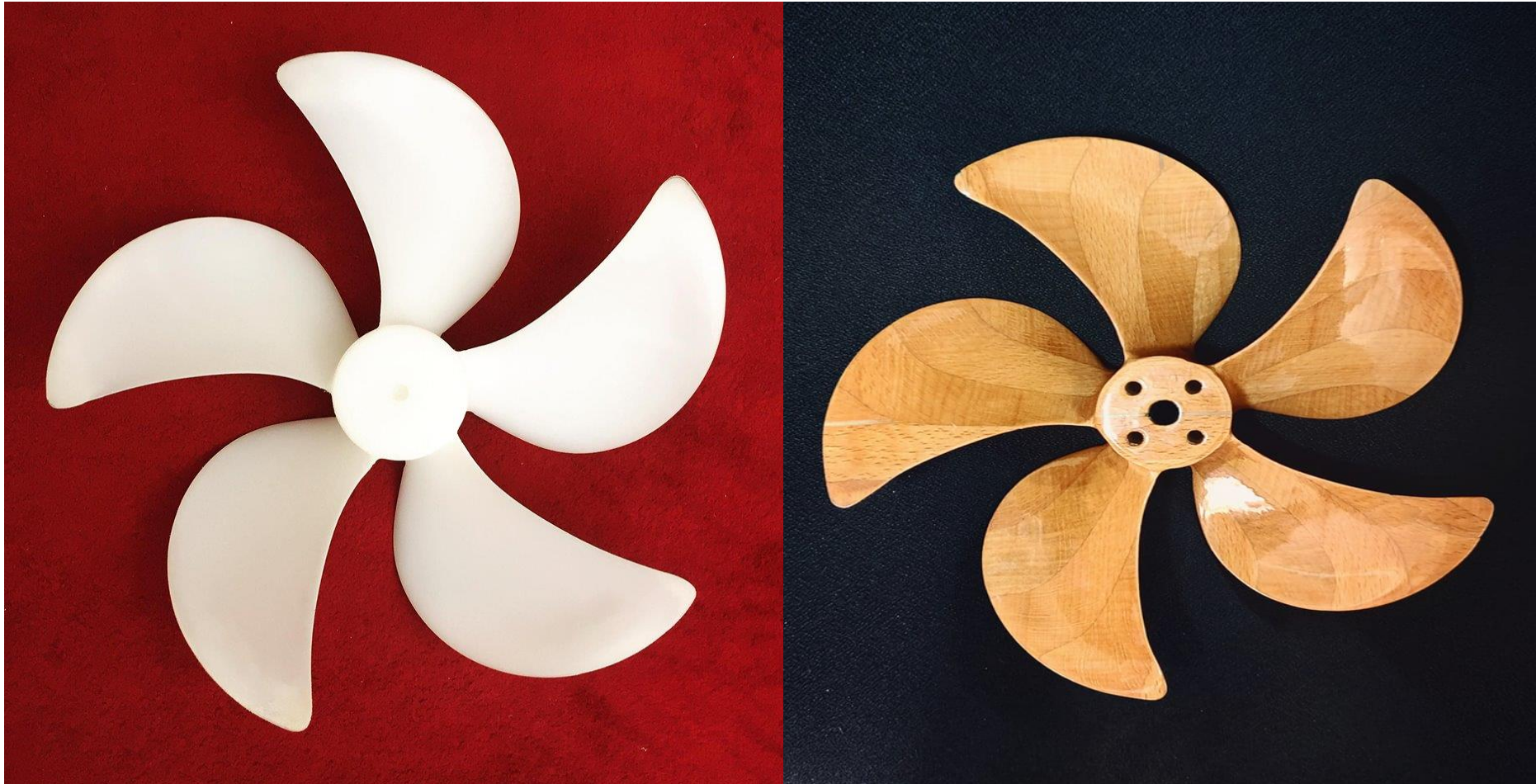
Each Propeller is Manufactured with the Best Wood, Static/Dynamically Balanced and Finished to Perfection by our team of Expert Craftsmen before it is out for delivery.

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:

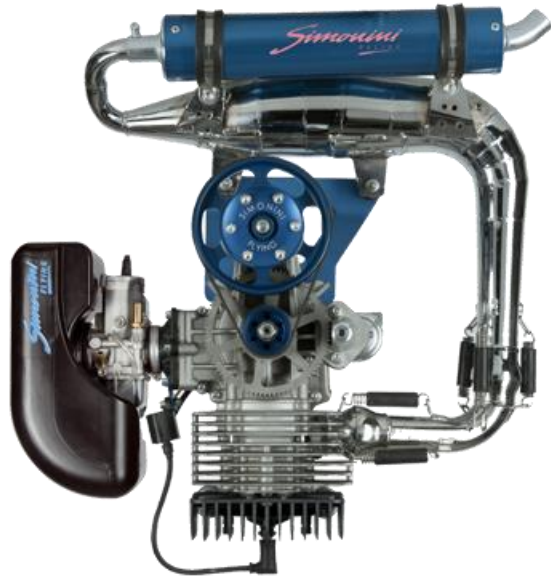
- a. Easy Take off
- b. Perfect Manoeuvrability
- c. Obedience & Controllability at Landing.



We also Stock Other Aviation Related Equipment



All Models of Simonini, Polini & Rotax 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

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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