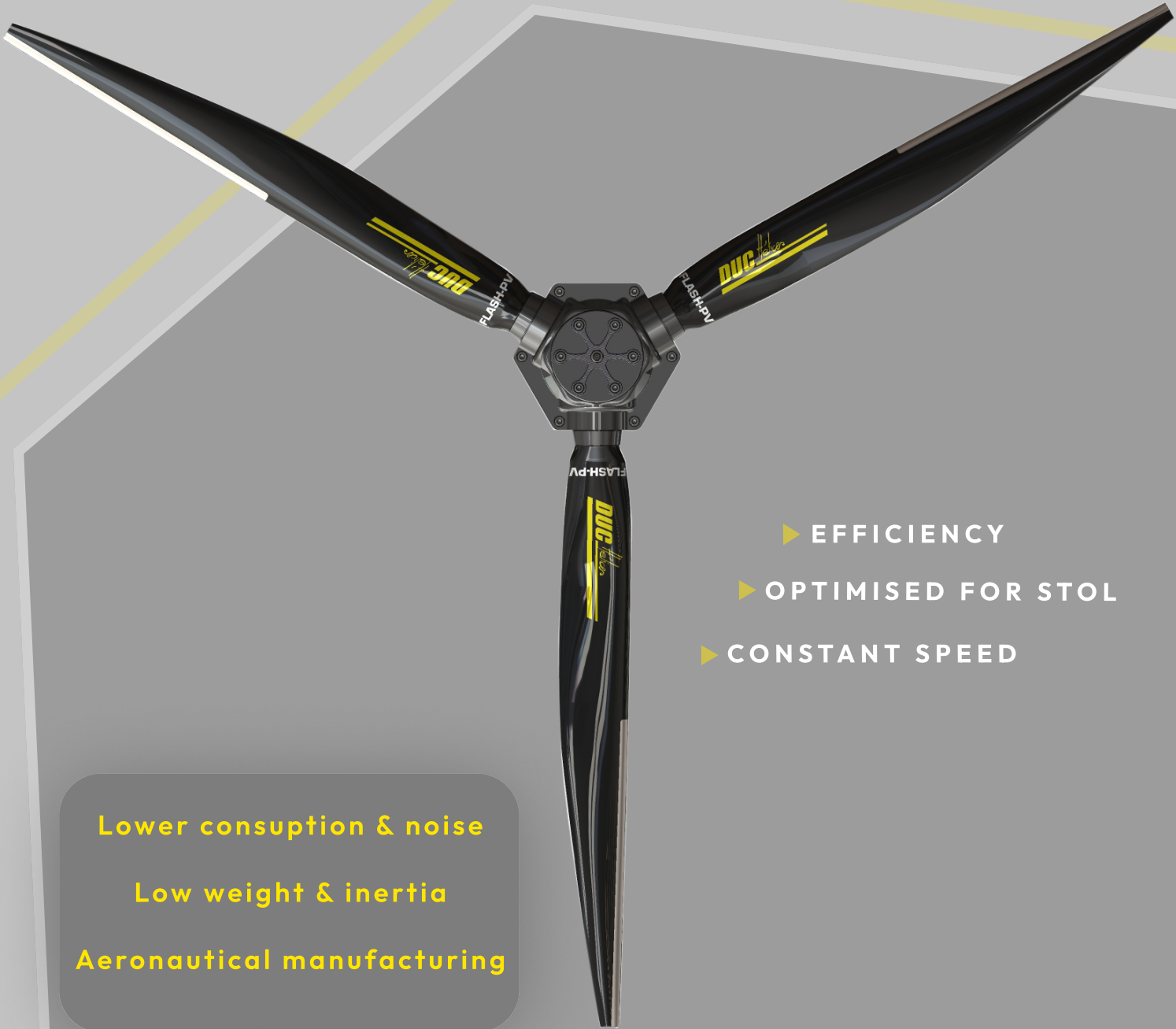


DUC *Helices* Propellers

**F L A S H B L A C K - R &
F L A S H B L A C K 3 - R**



- ▶ EFFICIENCY
- ▶ OPTIMISED FOR STOL
- ▶ CONSTANT SPEED

Lower consumption & noise
Low weight & inertia
Aeronautical manufacturing

For planes from 80 to 160hp

Description

- Aerodynamic simulation in CFD with ANSYS Fluent
- Calculations of the Mechanical Resistance & Vibration Behavior of the composite structure using ANSYS Composite PrepPost & Mechanical
- Simulation of acoustic emission with ANSYS Fluent
- Validation of simulations by tests on bench & in flight

Characteristics

- Blades & hub in carbon composite
- Available in 2, 3, 4 & 5-blades
- Available in different version : Electric Hybrid, full hydraulic & full electric
- Adjustable angle range, max. amplitude : 23
- Compatible with all Rotax : 912 to 915iS
- High precision manufacturing, Hub fitted with metal inserts
- Armored leading edge with Inconel
- Diameter from **Ø1620** to **Ø1900mm** (Ø64 to Ø75 inches)
- Available in different colors



Application

3 axis/LSA ; Tractive plane

Engine 80-160 hp : Rotax, Continental, Lycoming, ...

In-flight Variable Pitch

Ø101.6mm Hub (4") - Fixation 6 screws CHC M8 with pawns Ø13 or 14mm

Excl. Tax

- 2 blades VP Inconel right

From 5 100 €

- 3 blades VP Inconel right

From 6 390 €

- 4 blades VP Inconel right

From 8 490 €

- 5 blades VP Inconel right

From 10 600 €