

Propeller MRO



Maximise the availability and performance of your aircraft propellers with reliable MRO solutions from RUAG Aviation.

Description

Reconditioning, repair, and replacement of worn components in order to ensure the continuous airworthiness of your aircraft propellers.

RUAG Aviation inspects both hubs and blades for wear and tear by means of dimensional checks. Blades that are worn beyond tolerance are replaced, while hubs that are worn are inspected further, and can be repaired for return to service. Steel hubs are magnetic particle inspected, cadmium plated, and baked for stress relief.

Blades are refinished, leading edges are trimmed and polished, and blade shanks are reworked for close inspection. This includes Non-Destructive Testing (NDT) and visual inspections for detecting unusual wear or scratches in critical areas. All blades are etched, penetrant inspected, chromic anodised and sprayed with polane paint.

All new parts are installed according to OEM specifications. In the final stage, propellers are lubricated, all parts are assembled and the prop is static balanced.

RUAG Aviation is an OEM Authorised Hartzell Recommended Service Facility.

Together
ahead. **RUAG**



Your benefits

Maximum availability:

- On-time delivery (OTD)
- Competitive turnaround time (TAT)
- Proprietary loaner propellers available (PC-12, PC-6)

Cost-efficiency:

- Long term contracts
- Accurate cost evaluation

Maximum reliability:

- Detailed work report and test report
- Over 30 years of experience maintaining propellers
- MRO performed according to OEM specifications
- Only genuine OEM parts used

Maximum convenience:

- Hartzell recommended service facility
- One-stop shop
- In-house repair, overhaul and dynamic balancing
- Dedicated customer service
- Continuous work progress reporting

Major platforms supported with Hartzell Propeller

Beechcraft King Air

Cessna Caravan

DHC-6 Twin Otter

Piaggio P166 and P180

Pilatus PC-6

Pilatus PC-12



Additional services

Stringent procedures and processes are adhered to in RUAG Aviation's MRO services, ensuring maximum reliability and on-time delivery (OTD) of your propeller assembly. We perform the following MRO services:

- Disassembly and cleaning
- Blade stripping
- Non-destructive testing (NDT)
- Thrust ring grinding
- Cadmium plating
- Shot peening
- Plating and anodising
- Blade fillet cut and cold roll
- Measurement of proper components and tolerances
- Blade repair
- Painting
- Final assembly of propeller

Approvals

EASA Part 145 CH.145.0213

FAA Repair Station BG5Y75211

CAA Kenya

CAA Tanzania