



Rely on us to keep you flying

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www.taeaerospace.com

our LOCATIONS

IN NORTH AMERICA AND LATIN AMERICA



TAE AEROSPACE: GLOBAL AND LOCAL REACH

TAE Aerospace is recognized around the world as an aerospace company that creates value through innovative thinking and exceptional quality products and services.

To really support our customers in the Americas, we have now brought together the expert staff and facilities of Copperstate Turbine Engine Company, Ag Air Turbines and Propulsion Controls Company under our TAE Aerospace brand. Combining these industry leading TPE331 turboprop support facilities in the USA means we now have unmatched capabilities and capacity for supporting the TPE331 engine.

TURN-KEY SERVICE

Customers rely on us for our turn-key service—a one-stop shop to support your engine. Our global maintenance services provide all you need to keep you flying:

- TPE331 turboprop engine MRO
- Engine components and repairs
- TPE331 technical training
- Fuel controls
- Part supply and sales
- Field service and 24/7 technical support

As specialists in maintenance and repair of the Honeywell TPE331 turboprop engine, from -1 through to -15, we have Honeywell-Authorized Service Centers in Phoenix, Arizona; Anchorage, Alaska; Midvale, Idaho; and Adelaide, South Australia. We are the world's largest OEM-authorized TPE331 engine service provider, covering engines, LRU components, fuel controls and engine component repairs.





With our fast-growing international expansion, TAE Aerospace is the only Honeywell-authorized TPE331 engine maintenance provider with Honeywell-approved licenses and facilities that service the United States, Canada, South America, Europe, Africa and Asia-Pacific.

Customers return to us because they know they can trust us to consistently deliver quality, safety and value for money, across all elements needed to keep your engine flying.



PT6A hot section and on-wing repair capability is now in America.

TURBOPROP ENGINE MAINTENANCE

We specialize in keeping turboprop gas-turbine engines on wing longer, with the required knowledge, experience, tooling, resources, parts inventory, spare engine rental pool, rotatable pools and asset base available to achieve this outcome.

Our OEM approvals as a Honeywell-Authorized Service Center for the overhaul of the TPE331 engine and our PT6A and H80 capabilities give our customers peace of mind, from end to end of our service:

- Engine maintenance, repair and overhaul for TPE331, PT6A, H80/M601
- Engine component maintenance for engine accessories and fuel nozzles
- Engine parts sales including extensive inventory in TPE331 and PT6A engines
- Engine rentals
- 24/7 field service support with dedicated fly-away teams

Other services include:

- PT6A hot section and on-wing repair
- AD compliance / SB updates
- Compressor section restoration
- Hot section and gearbox inspections
- Test stand performance validation
- Engine conversions
- Unscheduled maintenance support

TPE331 ENGINE COMPONENTS

TAE Aerospace's comprehensive engine LRU component maintenance and repair facilities are based at Kansas City, Missouri; Phoenix, Arizona; and Adelaide, South Australia. With full OEM approvals for all activities, our sites, tooling and test rigs are fully compliant – giving us state-of-the-art testing capability that is unmatched in any region.

As a Honeywell-Authorized Warranty and Repair Station (AWARS), Honeywell-Authorized LRU Repair and Overhaul Center and Woodward Licensed Repair Services Facility (LRSF), with multiple airworthiness authority repair station approvals, our engine component repair facilities have capability for:

- Honeywell and Woodward engine fuel controls and fuel metering units for turboprop and helicopter engines covering:
 - Honeywell (TPE331, LTS101)
 - Pratt & Whitney Canada (PT6A, Woodward and Honeywell FCU, PT6T)
 - Rolls Royce (A250)
- TPE331 Line Replaceable Units (LRUs) approved under Honeywell APIL41
- PT6 power turbine governors
- PT6 overspeed and propeller governors
- TPE331 and PT6 fuel nozzles

SUPPORTED LRUs

- Fuel control units
- Starter generators
- Beta switches
- Feather valves
- Flow dividers / regulators
- Fuel pumps / shutoff valves
- Inlet sensors
- NTS regulators
- Oil bypass valves / coolers / pressure regulators / vent valves
- Prop governors / pitch controls
- Solenoid valves
- Start pressure regulators
- Torque load arms / temp limiter controllers / sensors



We are the only company in the world with approvals from both Honeywell and Woodward for TPE331 fuel controls.

PART REPAIRS

Part repair and refurbishment expertise saves you money. Our Aerospace Machining Center enables us to 'make the old like new'. Competitors also use our broad range of machining capabilities to satisfy their own customers.

- DER-authorized gearbox, diaphragm, nosecone accessory housings, corrosion and crack repairs and part number modifications
- TPE331 -1 through to -14 Engine – IRM Overhaul Manual inspections and repair
- TPE331 -1 through to -12 Engine – Balance and hand finish on all wheels and impellers
- Ability to develop new DER repairs

MACHINE SHOP CAPABILITIES

- Balance
- Bearing inspection
- CNC machining
- Corrosion treat
- Flame and plasma spray
- Flow test
- Hand finish
- Involute inspection
- OD/ID grinding
- Penetrant and magnetic inspection
- Plating repairs
- Pressure test
- Total engine hardware inspection
- Weld repair and fabrication



**We save you money through
our part repair and refurbishment.**



FIELD SERVICE

Our field service teams support our customers around the globe. From Alaska to Argentina; the Bahamas to Bangladesh; Canada to Chile – wherever you are, we have you covered.

SERVICES

- Engine performance troubleshooting
- TPE331 gearbox and hot section repairs
- Engine lebow
- PT6A hot section
- On-wing recomp
- Unscheduled maintenance
- MSP administration
- Service bulletin and AD updates
- Rental engines
- After-hours support

For after hours support, contact your regional sales team member or **Michael Croye: (480) 329 7394**

TPE331 TRAINING

We provide TPE331 Line Maintenance and Pilot Familiarization training to pilots and mechanics. Training is delivered in classroom and hangar settings. We also tailor our courses to be delivered in your location, wherever you need it.

All courses are FAA-certified and accepted when applying for your Inspection Authorization (IA) renewal training.

We offer general classes, airframe/engine specific classes and specialty seminars.

Our current training schedule and TPE331 training contact details are available on our website: **www.taeaerospace.com**. Alternatively, email: **bob.vrabel@taeaerospace.com**



AGRICULTURAL AVIATION

At TAE Aerospace, we strive to set the standard for quality and safety in the aerospace industry. Customer satisfaction and safety have always been our top priorities.

Over the years, customer feedback has shown us that TAE Aerospace is trusted for consistently delivering an extremely high level of quality, reliability and safety—all of which are crucial to keep you flying.

Rely on us to keep you flying and ask us about technical assistance, on-wing support and more:

- TPE331 complete engine services
- Rental engines
- Technical assistance
- On-wing support
- Line maintenance training
- Engine sales
- Fuel nozzle maintenance
- PT6A hot section and on-wing repair (*coming soon*)

If you have inquiries, you can contact **Katie Bane**, USA Agriculture Division, Sales and Customer Support, TAE Aerospace.

P (208) 229 8340

E katie.bane@taeaerospace.com

“Katie and her team in Midvale have taken excellent care of my TPE331. Having ag backgrounds themselves, they fully understand that in ag aviation, we don’t make our living sitting on the ground.”

George Parker,
Crop Jet Aviation, Idaho

“Thrush Aircraft and...ag operators hold TAE Aerospace in high regard for the high quality and timely work they perform.”

Eric Rojek, Vice President,
Thrush Aircraft Inc.





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