



Honeywell
TPE331 Turboprop Engine



Proven Expertise

Dedicated Service

Scottsdale - Glendale - Anchorage

480-500-6677
CTEC.aero

Aerospace Machining Center

Repair and refurbish expertise save you money: Our *Aerospace Machining Center* enables us to "make the old like new – or better!" Not surprisingly, many of our competitors also utilize our broad spectrum of machining capabilities to satisfy their own customers.

- DER-Authorized Gearbox, Diaphragm, Nosecone Accessory Housings, Corrosion & Crack Repairs
- DER-Authorized Gearbox, Diaphragm, Nosecone, Part Number Modifications
- TPE331 -1 thru -14 Engine - IRM Overhaul Manual Inspections & Repair
- TPE331 -1 thru -12 Engine - Balance & Hand Finish on all Wheels & Impellers
- Ability to develop DER Repairs

Machine Shop Capabilities

- Airframe DER Machining
- Airframe Exhaust & Tailpipe Repairs
- Balance
- Bearing Inspection
- CNC Machining
- Corrosion Treat
- Fabrication to Customer Blueprint
- Flame & Plasma Spray
- Flow Test
- Hand Finish
- Involute Inspection
- OD/ID Grinding
- Penetrant & Magnetic Inspection
- Plating Repairs
- Pressure Test
- Total Engine Hardware Inspection
- Weld Repair & Fabrication



TPE331 Component Repair & Overhaul

CTEC is a Honeywell-Authorized TPE331 Component Repair & Overhaul Facility Poised to Serve Customers Around the World!

LRUs Currently Supported

- Beta Switch
- Feather Valve
- Flow Dividers
- Flow Regulator
- Fuel Shutoff Valve
- Inlet Sensors
- NTS Regulator
- Oil Vent Valve
- Prop Pitch Controls
- Solenoid Valve
- Start Pressure Regulator
- Torque Load Arms
- Torque Temp Limiter Controllers
- Torque Sensors

By Q1 2018, CTEC will have:

- Oil Regulator
- Oil Bypass Valve
- Fuel Pump



Prop Pitch Control



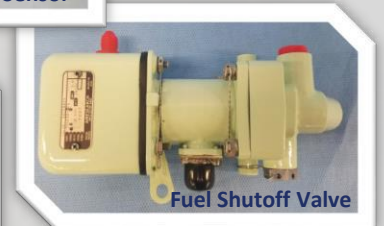
Flow Divider



Torque Sensor



Fuel Pump



Fuel Shutoff Valve

Component Exchange Program

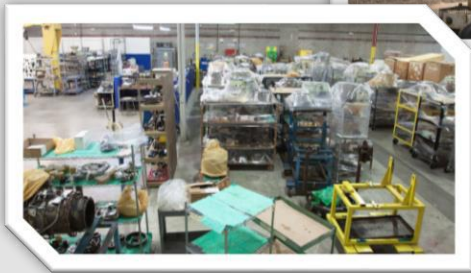
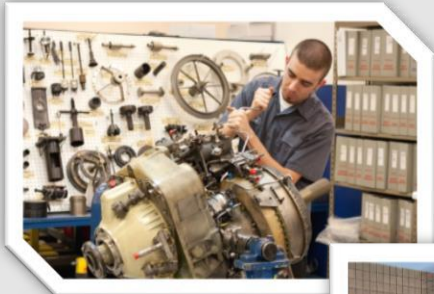
Along with our competitive turn-times, we will also be offering an ever-growing & attractive exchange program.

TPE331 Overhaul Shop

Put Experience on your side: With an accumulated 400 years of Garrett/AlliedSignal/Honeywell factory experience, CTEC offers customers unrivaled maintenance on the TPE331 Turboprop Engine family. Since our founding in 2002, CTEC has processed over 1,300 engines as a Honeywell-Authorized TPE331 Overhaul Facility. We service customers in 24 countries around the world who operate the complete spectrum of Private/Corporate, AG/Utility, Military/Government and Regional/Cargo aircraft.

Overhaul Shop Capabilities

- Complete Overhaul & CAM Inspections
- Compressor Section Restoration
- Hot Section Inspections
- Gearbox Inspections
- Engine Conversions
- Periodic Inspections
- Service Bulletin Updates
- Unscheduled Maintenance
- AD Compliance
- Corrosion Repair
- Test Stand Performance Validation
- Rental Engines



CTEC's TPE331 Overhaul Shop is Honeywell-Approved for all TPEs through the -14GR/HR.

TPE331 Technical Training

CTEC provides FAA-Approved Line Maintenance and Pilot Familiarization Training to pilots and mechanics worldwide.

Since 2007, we have trained over 750 students at locations in Arizona, Alaska, California and wherever our customers are based. Class sizes vary and may be tailored for your organization's personnel. Class duration may be three to seven days and consists of classroom content as well as "hands-on" activity.

FAA-Approved Inspection Authorization Renewal Training

- TPE331 Pilot & Technician Systems Familiarization - 16 hrs.
- TPE331 General Line Maintenance - 40 or 56 hrs.
- Airframe/Engine Specific Line Maintenance - 40 hrs.
- Specialty Courses - 8 to 40 hrs.



TPE331 Field Service

Whether it's providing information & assistance over the phone or on-site, CTEC is dedicated to supporting you!

Let us bring our service to your location

Anchorage

Honeywell-Approved for TPE331 Major Repair & TFE731 and General Aviation APU Line Service

In addition to our home base in Arizona, our Anchorage, AK, location was established in May 2005. Along with Alaska, this allows CTEC to provide service to Western Canada and Hawaii.

CTEC also frequently performs "road trips" to wherever you are. From Colombia to the Philippines, the Bahamas to Africa, our dedicated technicians provide service solutions at your doorstep in a timely manner.

Featured Services:

- TPE331 & TFE731 Service
- Periodic Inspections
- TPE331 Hot Section Inspections
- TPE331 Gearbox Inspections
- CAM Inspections
- Engine Test-Recomp & LeBow
- Unscheduled Maintenance
- MSP and JSSI Administration
- Service Bulletin & AD Update
- Rental Engines



After-hours support & road trips

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