

VSE Aviation

TC MRO Turbine Controls

Formerly Vortex Aviation

VSE Aviation Services

MRO Services

VSE Aviation Services delivers integrated MRO solutions across commercial, cargo, and military platforms through its subsidiaries, **including the former Vortex Aviation, Turbine Controls MRO, and Aero 3.** Backed by a global network of approved repair stations, the organization provides **engine, component, accessory, and wheel and brake services** designed to improve reliability, reduce maintenance costs, and maximize aircraft availability worldwide.

MRO Capabilities

Engine

- Fuel valves
- Fuel controls
- Air turbine starter
- Airseals
- Fan shafts
- Spools
- Fuel valves
- Fuel controls
- Exhaust cases

Aircraft Accessories

- High-flow / high-temp pneumatics
- Fuel accessories
- Hydraulics
- Electrical accessories
- Avionics
- Instruments
- Electrical harnesses
- Display units
- Diffusers / plenums

Airframe & Cabin Interiors

- Pneumatic valves
- Cargo doors
- Air conditioning
- Window heat
- Flap actuators
- Cabin door snubbers
- Chillers
- Crew seats
- Galleys

Landing Gear & Actuation

- Inspections & test
- Wheels & brakes
- Tires
- Tubes
- Landing gear
- Hydraulics
- Actuators
- Repair & overhaul
- Nondestructive testing

Supported Engine Platforms

- CF34
- CFM56
- CF6
- GE90
- GEnx
- LEAP
- V2500
- PW2000
- PW4000
- PW GTF series
- Rolls-Royce Trent
- F100
- F110
- F117
- F119
- F135





OEM Approved Service Center

Honeywell · Eaton · CFM · Meggitt · Collins Aerospace · Pratt & Whitney · Rolls-Royce · GE · Airbus · Boeing · Safran

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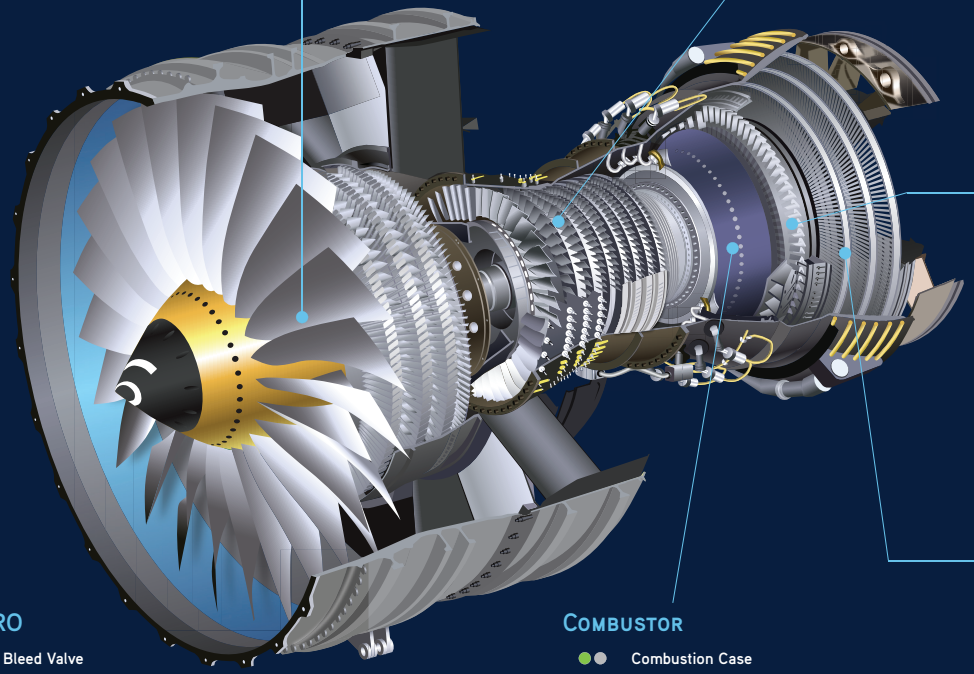
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Commercial Engine Offerings

MRO Services | Distribution | Asset Management

- MRO Services
- Distribution
- Asset Management



Low Pressure Compressor (LPC)

- Fan Blades
- Spinner Cone
- Booster Blades
- Fan Disks
- Fan Shafts
- Booster Spool
- Bearing Housings
- Accessory Gearbox (AGB)
- Fan Frame
- Full Authority Digital Engine Control (FADEC)

Engine & QEC Specialty Parts

- Fuel Flowmeters
- Temperature, Flow, Pressure, Position, Vibration & Fluid Level Sensors
- Pressure Transducers
- Flexible Metal Hoses
- Specialty Hardware

Engine & QEC Accessory Component MRO

- Fuel Pump (Gear Driven)
- Fuel Metering Valve (FMV)
- Fuel Flow Transmitter
- Hydro-Mechanical Unit (HMU)
- Engine-Driven Hydraulic Pump
- VSV Actuator
- Air Turbine Starter
- Starter Control Valve
- Variable Bleed Valve
- VBV Actuator
- Transient Bleed Valve (TBV)
- Anti-Ice Valve
- Pressure Regulating Shut-Off Valve (PRSOV)
- High Pressure Turbine Clearance Control (HPTCC) Valve
- Integrated Drive Generator (IDG)
- Electrical Harnesses

Combustor

- Combustion Case
- Combustor (SAC or DAC)

High Pressure Compressor (HPC)

- Hub
- Spools
- Air Seals
- Strator Rear Case
- HPT Case
- HPC Blades
- HPC Stator Shrouds
- Compressor Rear Frame (CRF)

High Pressure Turbine (HPT)

- HPT Blades
- Nozzle Guide Vanes (NGVs)
- Hub/Disks
- Manifolds
- Shroud Support
- HPT Shrouds
- HPT Rotating Air Seals
- HPT Shaft
- Air Impingement Manifold (AIM)
- HPT Case

Low Pressure Turbine (LPT)

- LPT Rotor Disks
- LPT Frame
- Bearing Support
- LPT Shaft
- LPT Blades and Vanes
- LPT Case
- LPT Air Seals
- Turbine Rear Frame (TRF)
- Bearing Housings
- Turbine Exhaust Nozzle

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