

Choose
Christchurch Engine Centre
for your JT8D needs.



CHRISTCHURCH ENGINE CENTRE

Delivery Address

Christchurch Engine Centre
634 Memorial Avenue,
Christchurch International Airport 8005,
New Zealand.

Postal Address

Christchurch Engine Centre
PO Box 14005,
Christchurch International Airport 8030,
New Zealand.

Contact

Manager Sales & Customer Service
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www.pwnz.com



Christchurch Engine Centre



CHRISTCHURCH ENGINE CENTRE

JT8D-Std & JT8D-200
MAINTENANCE
REPAIR AND OVERHAUL

www.pwnz.com

JT8D MRO IN FOCUS

Operator experience makes the difference.



Christchurch Engine Centre is an experienced maintenance, repair and overhaul (MRO) centre for all models of JT8D engine and offers amongst the best of total support for both JT8D-Standard (JT8D-7B to -17AR) and the JT8D-200 (JT8D-217A, -217C and -219).

JT8D overhaul began in 1968 at our Christchurch International Airport facility and customer business has steadily grown, especially since 1990. It is now one of the top JT8D facilities world-wide with customers in the USA, Canada, Australia, South Africa, South America, Asia and Europe.

Listening to customers and focus on customer service are our hallmarks.

ENGINE MANAGEMENT

- Extensive in-house capability in repair processes ensures
 - close control of quality, turnaround time and price
 - detailed control of your required overhaul life and build standard.
- We are experienced at tailoring shop visit outcomes to meet our JT8D customers' requirements.

RELIABLE TURNAROUND TIME

Through competent production planning and management, and extensive in-house capability, turnaround times consistently meet or better contract terms.

TECHNICAL SUPPORT

Full in-house technical support is available using OEM links as necessary. Christchurch Engine Centre benefits from over 30 years of technical and MRO support of the JT8D operations of Air New Zealand Limited.

TEST FACILITY

Our test facility takes both JT8D-Std and JT8D-200, and uses a state-of-the-art computerised control system and software to manage engine test, with full reporting and analysis.

MATERIAL MANAGEMENT

Our material management and logistic group is extensive, carries a significant inventory and has the knowledge and experience to source qualified materials at competitive prices for your engine.

QUALITY ASSURANCE.

- Our systems are world standard and include:
- an in-house material supplier and vendor qualification process that ensures only quality processes, parts, and materials with known history are used.
- a Quality and Safety management system to ensure Continuous Improvement through internal evaluation.



TOTAL CAPABILITY

Christchurch Engine Centre holds FAA and JAA repair station approvals as well as NZCAA and other national approvals. Check our website for details.

REPORTING

Our Sales & Customer Service people keep regular contact with our customers. However, there is a difference.

- A Key Account Manager is your single point of contact and advocate in our facility to:
- look after your interests at all times
- ensure competitive performance is delivered
- ensure the best communication and customer service
- produce progress reports by email, and also through our secure website

We began JT8D-7B overhaul in 1968 and have continued building our JT8D-Std capability up to JT8D-17AR with continuous growth in customer business worldwide since 1990.

MACHINE SHOP
Comprehensively equipped.
Lathe *Milling machines*
Horizontal Borer *Vertical Lathe*
Jig borer *Radial arm drill*
Honing machine *Grinding machines*
Co-ordinate Measuring Machine

In 1996 we introduced our JT8D-200 capability and have steadily built our throughput since then.

ELECTROPLATING
Cadmium Plate (Bright)
Titanium Cadmium Plate
Nickel Plate (Sulfamate)
Copper Plate
Chrome Plate

Our work has included the full range of service bulletin activity including hush-kit modifications and the latest developments, in conjunction with Pratt & Whitney.

Phosphate Coating
Chromic Acid Anodising
Hard Anodising
Sulphuric Acid Anodising
Tin Plate
Silver Plate

We have a policy of performing the maximum amount of repair in-house and our processes include the following:

Nickel Cadmium Plating
Electroless Nickel Plating
Vapour Degreasing
Stylys Plating
Heat Treatment - stress relieving, post-plating de-embrittlement

NON-DESTRUCTIVE TESTING

All NDT staff are certified to NAS410 standard. All work is performed in accordance with Pratt & Whitney standard practices and the following:

- Liquid penetrant to ASTM E-1417
- Magnetic particle to ASTM E-1444
- Eddycurrent and Conductivity inspection
- Ultrasonic inspection
- Radiographic inspection to ASTM E-1742
- Borecope including JT8D Combustion Chamber inspectors in-field

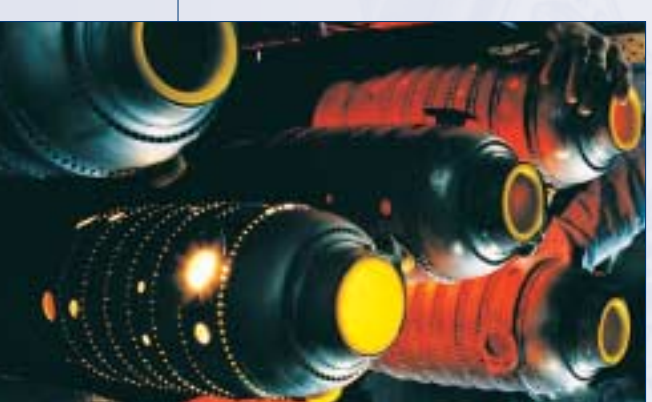
All NDT work is carried out under the FAA, JAA, NZCAA or national approvals held by Christchurch Engine Centre.

BLASTING MACHINES

Plastic Media, Dry Aluminium Oxide, Vapour Blast, Glass Bead, Shot Peen

WELDING / HEAT TREATMENT / PLASMA COATING

Welding
TIG Welding Machines
MIG Wire Feeder
Spot Welder
Oxy-Acetylene Welding Unit
Heat Treatment - *Intech computer controlled*
Four ovens
Plasma Coating
Metco Low/High energy system



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