

Choose
Christchurch Engine Centre
for your V2500 needs.



CHRISTCHURCH ENGINE CENTRE

Delivery Address
Christchurch Engine Centre
V2500 line
634 Memorial Avenue
Christchurch International Airport 8005,
New Zealand.

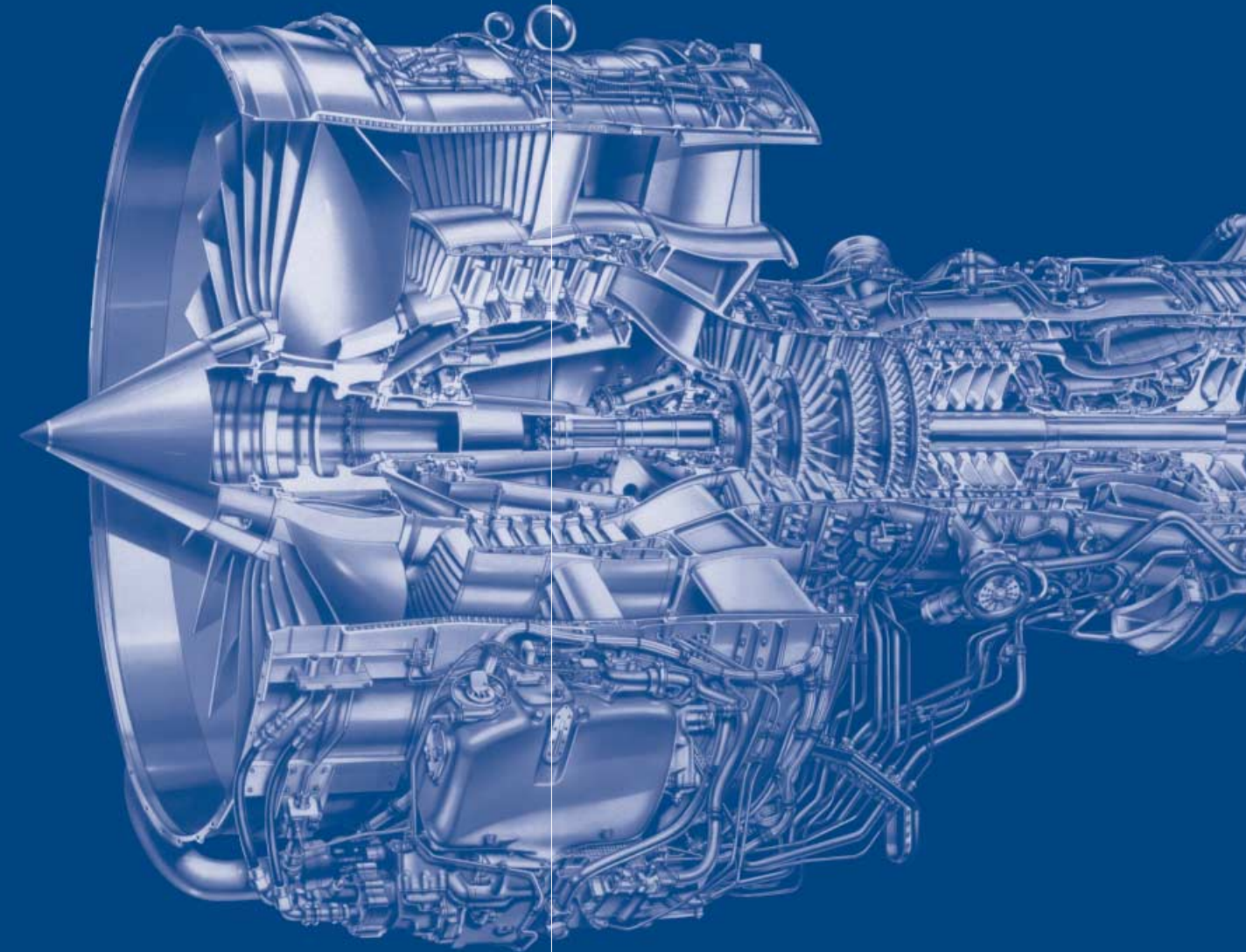
Postal Address
Christchurch Engine Centre
PO Box 14005,
Christchurch International Airport 8030,
New Zealand.

Contact
Manager Sales & Customer Service
Telephone: +64 3 374 7007
Facsimilie: +64 3 374 7001



Christchurch Engine Centre

CHRISTCHURCH ENGINE CENTRE



V2500-A1, A5 & D5
HEAVY MAINTENANCE
AND REPAIR

www.pwnz.com

V2500 HEAVY MAINTENANCE AND REPAIR IN FOCUS

Operator experience makes the difference.



Christchurch Engine Centre is a substantial and experienced maintenance, repair and overhaul (MRO) centre for all models of V2500 engine at its new world-class MRO and Test facilities at Christchurch International Airport. It offers amongst the best of V2500 total support.

From our Pratt & Whitney JT8D overhaul experience that began in 1968, at our Christchurch International Airport facility an extensive portfolio of customer business has steadily grown with customers in the US, Canada, Australia, Asia, China, Europe, South Africa and South America.

The Air New Zealand V2500 powered A320 fleet is also locally supported.

For V2500 world-wide support, our quality, technical excellence and competitive pricing continues in the same tradition.

Listening to V2500 operators, and focus on customer service are our hallmarks.

V2500 ENGINE MANAGEMENT

Extensive in-house capability in repair processes ensures

- close control of quality, turn-time and price, and
- detailed control of your required engine life and build standard.

We are experienced at tailoring your shop visit outcomes to meet your requirements. Both module activity and full engine heavy maintenance are available to levels B3, C2, D1 and T1.



RELIABLE TURNAROUND TIME

Through competent production planning and management, and extensive in-house capability, turnaround times consistently meet or better contract terms. Our transport logistic people are specialists in rapid air freight.

TECHNICAL SUPPORT

Full in-house technical support is provided through close IAE and OEM links. Christchurch Engine Centre benefits from over 30 years of technical and MRO support of Pratt & Whitney and Rolls-Royce engines for Air New Zealand Limited and many customers.

TEST FACILITY

Our new world-class test facility takes all models of V2500 and JT8D engines, and uses a state-of-the-art fully automated computerised control system and software to manage engine test, with full reporting and analysis.

It is certified for V2500-A1, A5 and D5 models, and for the JT8D-200. It is the Pratt & Whitney Master Test Cell for the V2500-D5 engine. Our original Test Cell also continues in service for all P&W JT8D, Rolls-Royce Dart and GTCP85/95 APU tests.

MATERIAL MANAGEMENT

Our material management and logistic group has a close business relationship with IAE AG, carries significant inventory and has 30 years of 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
- Christchurch Engine Centre holds FAA and EASA repair station approvals as well as NZCAA and other national approvals; check our website www.pwnz.com for current details.

CUSTOMER SERVICE

Our Sales & Customer Service people establish close relationships with our customers.

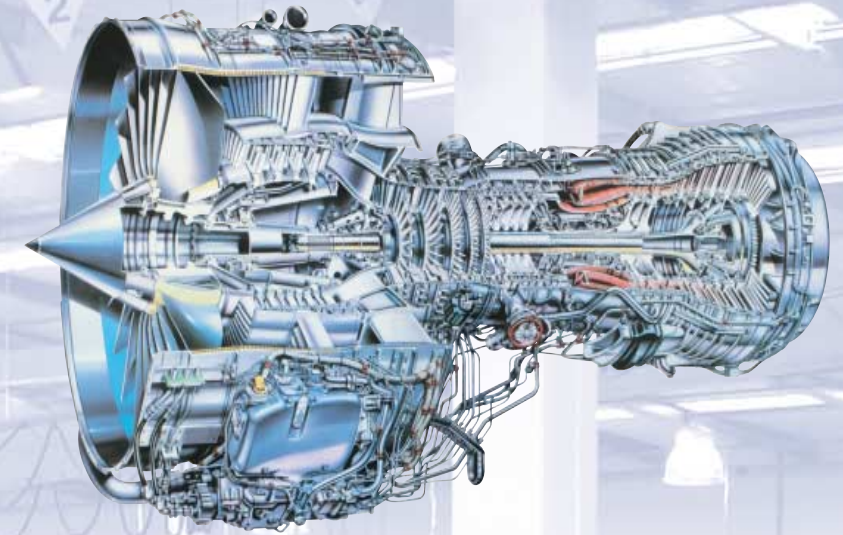
In addition, the Key Account Manager is your single point of contact and advocate in our facility to

- 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 www.pwnz.com

We continue building our V2500 service level to ensure continuous business growth world-wide. It expands upon the full JT8D and Dart overhaul experience developed at Christchurch since the 1960's which is continuing strongly.

Our V2500 MRO work includes the full range of service bulletin activity and the latest IAE developments.

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



TOTAL CAPABILITY

NON-DESTRUCTIVE TESTING

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

- V2500 all models
- Liquid penetrant to ASTM E-1417
- Magnetic particle to ASTM E-1444
- Eddycurrent and Conductivity inspection
- Ultrasonic inspection including C Scan
- Radiographic inspection to ASTM E-1742
- Boroscope including HPC Ultrasonic inspection of stage 4 blade platform in-feild.

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

MACHINE SHOP

comprehensively equipped.

- Lathes • Milling machines
- Horizontal Borer • Vertical Lathe
- Jig borer • Radial arm drill
- Honing machines • Grinding machines
- Co-ordinate Measuring Machines
- Danobat DANTIP/DAN-BTM tip grinder
- Case Grinder (available)

BLASTING MACHINES

Plastic Media, Dry Aluminium Oxide, Vapour Blast, Glass Bead, Novaculite.



ELECTROPLATING

Cadmium Plate (Bright)
Titanium Cadmium Plate
Nickel Plate (Sulfamate)
Copper Plate
Chrome Plate
Nickel Cadmium Plating
Hard Anodising
Silver Plate
Stylus Plating
Heat Treatment - stress relieving, post-plating de-embrittlement

WELDING / HEAT TREATMENT / PLASMA COATING

Welding
TIG Welding Machines
MIG Wire Feeder
Spot Welder
Oxy-Acetylene Welding Unit

Heat Treatment
Four ovens - Intech computer controlled

Plasma Coating
Metco Low/High energy system
Robotic arm application.

PEENING MACHINES

- CNC controlled lance peening
 - All shot peening is automated
- A complete V2500 service awaits you.

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