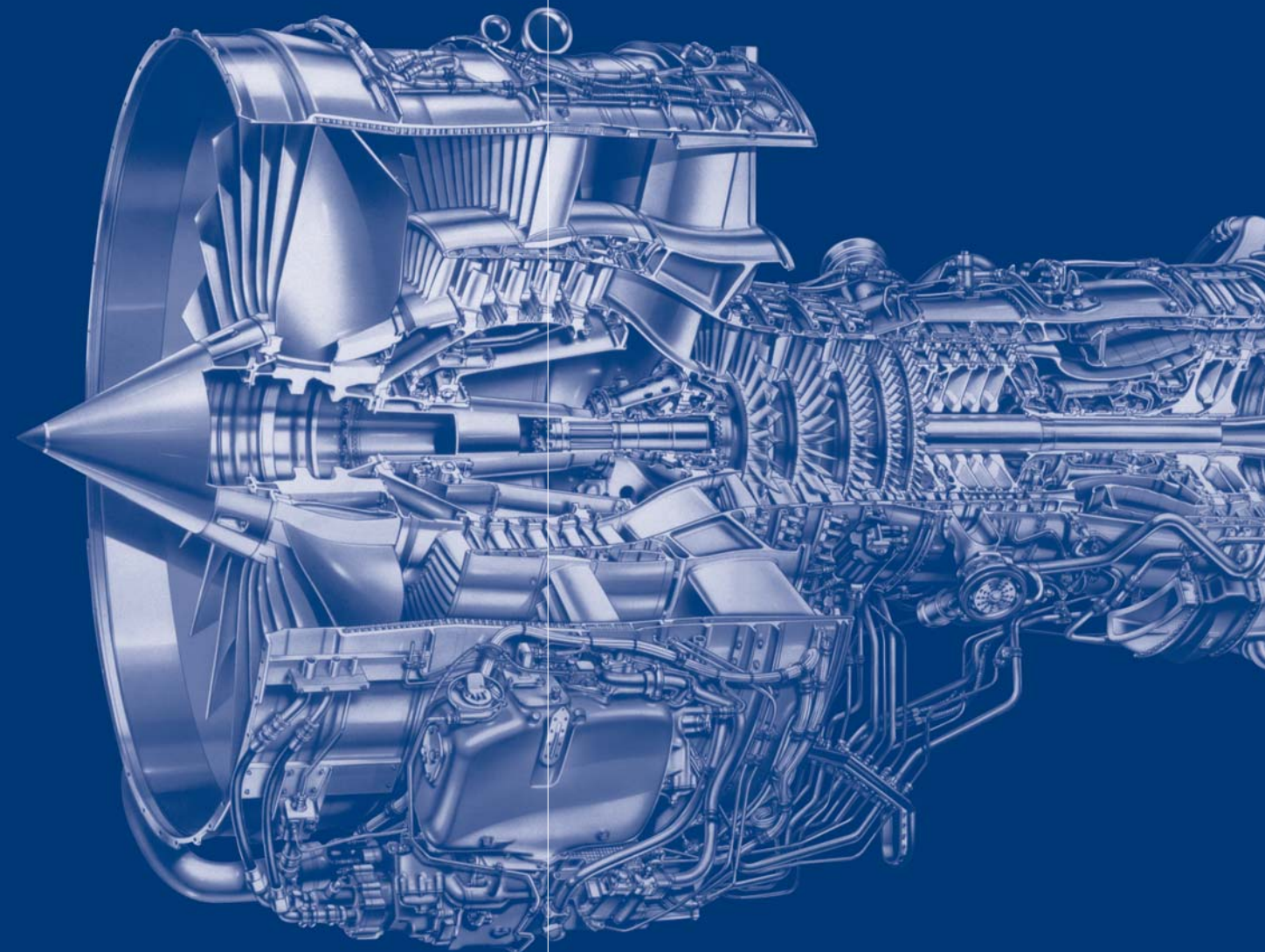


Christchurch Engine Centre

Choose
Christchurch Engine Centre
for your V2500 needs.



CHRISTCHURCH ENGINE CENTRE



CHRISTCHURCH ENGINE CENTRE

Delivery Address
Christchurch Engine Centre
V2500 line
634 Memorial Avenue
Christchurch International Airport 8053
New Zealand

Postal Address
Christchurch Engine Centre
PO Box 14005
Christchurch International Airport 8544
New Zealand

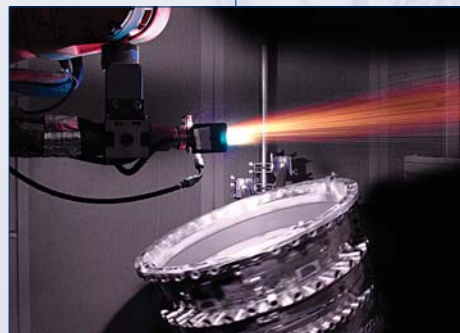
Contact
Manager Sales & Customer Service
Telephone: +64 3 374 7316
Facsimilie: +64 3 374 7001

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. Full repair and heavy maintenance capability is available for V2500 engines.

Our FIELD SERVICE brochure is also available for download from our website

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 Engineering section provides active repair development and full technical and engine test data analysis along with workscope support.

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 all JT8D's.

It is the Pratt & Whitney master test cell for the V2500-A1 and D5 and JT8D-Standard engines.

A separate test facility provides R-R Dart master test cell service and GTCP85/95 APU test.

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 and Customer Service people establish close relationships with our customers.

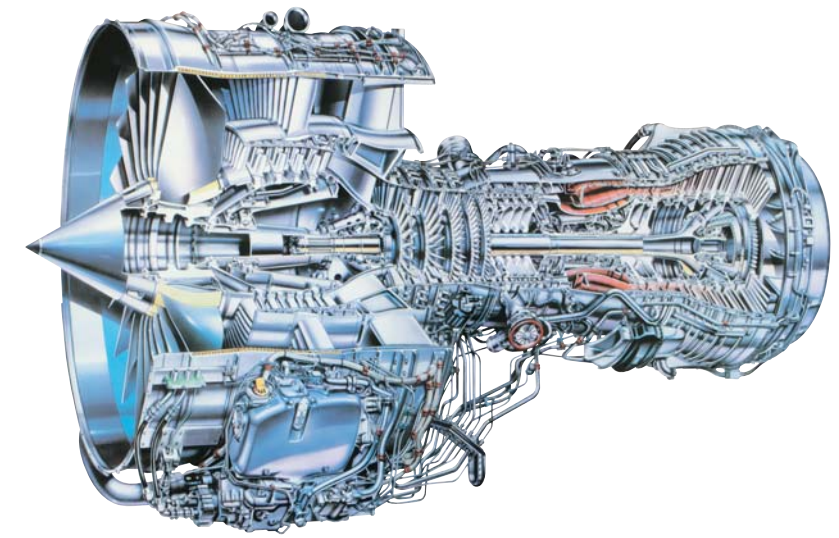
In addition, the Key Account Manager is your single point of contact and advocate in our facility to

- 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-field.

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)
Nickel Plate (Sulfamate)
Copper Plate
Chrome Plate
Chromic Acid Anodising
Silver Plate
Nickel Cadmium 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
Sulzer Metco Low/High energy system
Robotic arm application.

High Pressure Water Treatment
For the removal of thermal coatings

PEENING MACHINES

- CNC controlled lance peening
- All shot peening is automated

A complete V2500 service awaits you.

Choose Christchurch Engine Centre for your V2500 needs.