



Precision meets Performance

OUR VISION

“ To develop a globally recognised capability, leading change and accelerating Australian manufacturing through innovation and training ”



CNC TURNING

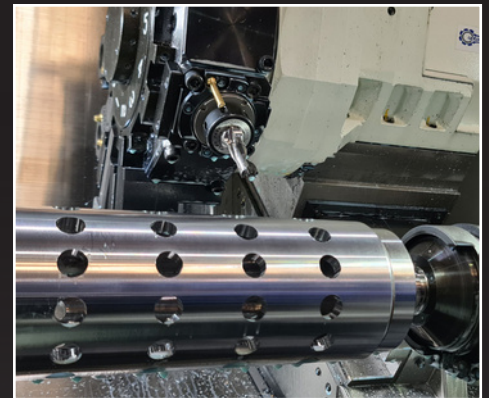
HARRISON ALPHA 1550 LATHE
3m between centres
554mm swing over bed
700mm swing in gap

OKUMA SPACE TURN LB 300 LATHE
Max machining 410 OD x 500mm

OKUMA L3000e-MY LATHE
950mm Between Centres
Swing Over Bed 520mm
Max Turning Diameter 400mm

OKUMA LB15 LATHE
Max machining 410 OD x 500mm

MANUAL LATHES
Up to 600mm swing x 3000mm



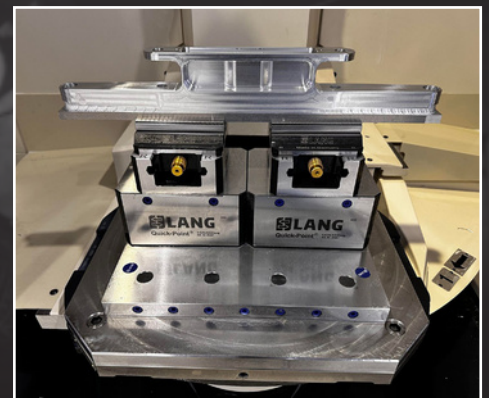
CNC MILLING

MAKINO α500z 5 AXIS MACHINING CENTER
Workpiece size
630 dia x 500 high
Payload 400kg Max

MAZAK V550 MILL
Travel 1550 x 560 x 550

OKUMA ACE CENTRE MB-56VA MILL
Travel 1050 x 560 x 460

FANUC ROBOCUT - 5 AXIS WIRE EDM
Mass on table 500kg
1250 x 450 x 450 mm



FABRICATION

PLATE ROLLERS
Plate up to 2400mm X
16mm thick

WELDING POSITIONERS
Ranging from 200kg to 2T

80T PUNCH & SHEAR
Section Rollers

SHEETMETAL GUILLOTINE
Up To 6mm mild

MIG (GMAW)
Pulse mig, twin spool mig welders, Fronius, millers, wia range of welders

TIG (GTAW)
Full pulse AC/DC water cooled

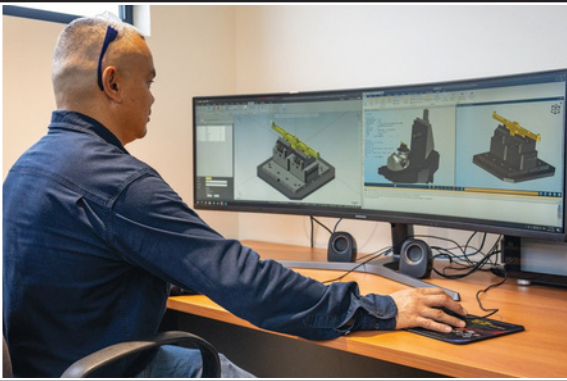
PRESS'S
Ranging 30T - 100T



PROGRAMMING

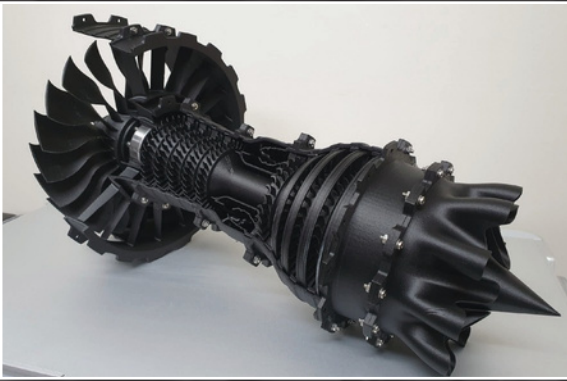
3D CAD/CAM SOFTWARE

Solidworks - Mastercam 2023 - Vericut 9.3



ADDITIVE MANUFACTURING

3D PRINTING - Mark forged Mark 2



WHY UEM

- Certified Quality Management System to AS9100:D
- New, modern 2000 sqm, state-of-the-art manufacturing facility
- Specialise in Exotic Materials and complex components
- Award winning regional SME
- Australian company, making
- Australian made products
- Complete project solution in-house from start to finish

CAPABILITIES AND ACCREDITATIONS

- CERTIFIED AS9100:D QUALITY MANAGEMENT SYSTEM
- 5 AXIS SIMULTANEOUS MACHINING
- CNC MILLING AND TURNING
- CERTIFIED WELD PROCEDURES TO AS1554:1 TO 6, AS/NZS 1665, AS/NZS 3992 AND ASME IX
- FABRICATION WITH A DESIGNATED EXOTIC WELDING ZONE
- PROTOTYPING
- ASSEMBLY AND TESTING
- ADDITIVE MANUFACTURING (PLASTICS AND COMPOSITES)

INDUSTRIES

DEFENCE
AEROSPACE AND SPACE
OIL, ENERGY & GAS
REFINERIES AND
SMELTERS
RAIL AND MINING
MOTORSPORT

AWARDS

- Best-In-Business Overall Winner 2021
- Best-In-Business Engineering category winner 2019, 2021
- GEA Business Innovation Award Runner Up 2022
- Official Australian Owned Business
- Proudly signed the Veterans Employment commitment



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