



Workshop Services

TUNRA Bulk Solids Workshop

A key function of TUNRA is to build and promote research opportunities for the University and Industry. TUNRA has a long history of service excellence and industry engagement and has been delivering a range of services to customers both in Australia and overseas for over 40 years.

The laboratory test facilities and workshop at TUNRA Bulk Solids are ISO9001, ISO14001 and ISO 45001 certified. These facilities reside on the Newcastle Institute for Energy and Resources (NIER) site at The University of Newcastle. Through the project work completed direct to industry, TUNRA Bulk Solids has built significant capabilities in terms of both mechanical and electrical/electronic skills.

The comprehensive workshop department at TUNRA Bulk Solids allows the construction and modification of small-scale prototypes to test and optimise the functionality and efficiency of new or existing bulk solids handling equipment. TUNRA Bulk Solids is regularly involved in the design, fabrication and commissioning of custom test rigs for both industry and The University of Newcastle.

Mechanical Services:

- ▶ General and high precision machining
- ▶ Fabrication of ferrous and non-ferrous materials
- ▶ High level technical advice and installation of specialised equipment

- ▶ Monitor, maintenance and repair test and laboratory equipment
- ▶ Hydraulic and pneumatic plant installation and commissioning
- ▶ Manufacture and assembly of items as per specifications

Electrical Services:

- ▶ Licensed electrical work and installations
- ▶ Data Logging
- ▶ Fault finding and electrical testing capabilities
- ▶ Undertake Industrial electronics installations
- ▶ PLC coding and HMI screen development
- ▶ Manufacture of new test equipment or modification to existing equipment

TUNRA has completed many projects for a number of University research centres. The method in which these engagements occur will vary slightly on the task requested. For more information on how we can assist in your next project please email TBSWorkshop@uonstaff.edu.au

