# Position Details

## Technical Services - CSOF3

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| The following information is for applicants |
| Advertised Job Title | Machinist |
| Job Reference | (to be entered by your Recruitment Consultant) |
| Tenure | Indefinite Full-time |
| Salary | AU$73k per annum plus up to 15.4% superannuation |
| Location(s) | Marsfield (Sydney), NSW |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian Citizens Only
* Australian/New Zealand Citizens and Australian Permanent Residents
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| Position reports to the | IML Team Supervisor |
| Client Focus – Internal | 100% |
| Client Focus – External | 0% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Michael Bourne via email at michael.bourne@csiro.au or phone +61 2 9372 4374 |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The Instrument Manufacturing Laboratory is part of the CSIRO’s Space and Astronomy business unit. It develops and manufactures state of the art instrumentation for radio astronomy facilities. These facilities are located at Parkes and Narrabri in NSW, and Murchison in WA. The laboratory also manufactures components for other radio astronomy facilities both within Australia and overseas.

This position provides technical, operational and maintenance support to a range of projects (both internal and external), including advanced CNC machining, general machining and fabrication tasks including welding, mechanical maintenance, fixture design and process development. The position is also responsible for the maintenance of laboratory facilities, and provides support with assembly, installation, and maintenance of mechanical systems at Space & Astronomy observatories and other sites.

### Duties and Key Result Areas

* Provide technical, operational and maintenance support in a range of technical disciplines.
* Manufacture precision mechanical components by programming and operating CNC machining centres.
* Provide general machining, fabrication, welding, design, and assembly support.
* Maintenance of laboratory facilities and inventory.
* Undertake procurement of mechanical equipment, machine tools, and other workshop items.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Must have completed Cert III in mechanical engineering - Fitting and Machining.

2. Demonstrated experience programming and operating Okuma 5-axis vertical machining centre using Mastercam software.

3. Experience in welding steel and aluminium using MIG and TIG welding equipment along with general sheet metal fabrication.

4. Competence to accurately interpret engineering drawings and technical sketches.

5. Good communication skills - a customer focused approach to liaison with research and technical staff.

6. Ability to operate effectively in a team environment.

7. Demonstrated commitment to safe work practices and other occupational health and safety regulations related to your expertise.

## **Desirable**

1. Demonstrated ability to construct high quality experimental equipment from minimal information.

2. Either a background and knowledge of research equipment or have operated in a similar environment.

3. Experience machining a wide range of materials.

## **Required Competencies**

* **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
* **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
* **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
* **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [CSIRO Space and Astronomy](https://www.csiro.au/en/about/people/business-units/Space-and-Astronomy) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted