

# CAREER FACT SHEET

## Metal Fitters and Machinists

### Snapshot

Metal Fitters and Machinists fit and assemble fabricated metal parts into products, set up machining tools, production machines and textile machines, and operate machining tools and machines to shape metal stock and castings.

How many are employed in this occupation?	118500
What are the average weekly earnings for full time workers?	\$1,718
How does unemployment compare with other occupations?	Below Average
What are the job prospects for this occupation?	Above Average
What will be the likely future employment growth for the next five years?	Decline

### Main employing industries

Manufacturing and Mining

### Tasks

This occupation may include associated occupations with varying tasks.

- studying drawings and specifications to determine suitable material, method and sequence of operations, and machine settings
- fitting fabricated metal parts into products and assembling metal parts and subassemblies to produce machines and equipment
- checking fabricated and assembled metal parts for accuracy, clearance and fit using precision measuring instruments
- setting guides, stops and other controls on machining tools, setting up prescribed cutting and shaping tools and dies in machines and presses, and setting controls for textile machines
- forming metal stock and castings to fine tolerances using machining tools to press, cut, grind, plane, bore and drill metal
- cutting, threading, bending and installing hydraulic and pneumatic pipes and lines
- preparing pattern mechanisms to control the operation of textile machines used to spin, weave, knit, sew and tuft fabric
- diagnosing faults and performing operational maintenance of machines, and overhauling and repairing mechanical parts and fluid power equipment
- may erect machines and equipment on-site

# INDUSTRY OVERVIEW

## Manufacturing

If you're a hands on sort of person who likes getting stuck into tasks involving the use of tools and machinery to create new items, or you like to work on projects that bring technical concept drawings to life, then a career in the Manufacturing industry could be right up your alley. Careers in Manufacturing are available in a variety of industries such as: aerospace, furnishing, laboratory operations, metal fitting, engineering and boating, process manufacturing, mineral products, plastics, rubber, recreational vehicles and textiles, clothing and footwear. Structural Steel and Welding Trades workers, and Metal Fitters and Machinists are the trades most in demand in Manufacturing at present. There are thousands of Manufacturing businesses in Australia, employing almost one million people. New developments in sustainable Manufacturing aim to produce goods in an environmentally friendly and sustainable way while at the same time maintaining, if not improving productivity. This makes it a very interesting time to join this sector.



**Manufacturing**

### Possible job pathways

- Glaziers
- Graphic Pre-press Trades Workers
- Industrial Spraypainters
- Metal Fitters and Machinists
- Precision Metal Trades Workers
- Sheetmetal Trades Workers
- Structural Steel and Welding Trades Workers
- Wood Machinists and Other Wood Trades Workers
- Chemical, Gas, Petroleum & Power Plant Operators
- Electrical Engineering Draftspersons, Technicians
- Electricians
- Electronics Engineers
- Metal Casting, Forging & Finishing Trades
- Aircraft Maintenance Engineers
- Engineering Production Systems Workers
- Engineers (Chemical and Material)
- Industrial, Mechanical and Production Engineers
- Mechanical Engineering Draftspersons, Technicians
- Food and Drink Factory Workers
- Production Managers
- Printers
- Printing Assistants and Table Workers
- Signwriters
- Jewellers
- Product Assemblers

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