

# CAREER FACT SHEET

## Engineering Production Systems Workers

### Snapshot

Engineering Production Systems Workers perform a range of production process tasks to refine and treat metals and mineral ore, fire ceramics, and operate plant to produce and finish metal products such as rods, tubing and structural shapes, and moulds for casting.

How many are employed in this occupation?	23,900
What are the average weekly earnings for full time workers?	\$1,520
How does unemployment compare with other occupations?	Average
What are the job prospects for this occupation?	Low
What will be the likely future employment growth for the next five years?	Decline

### Main employing industries

Manufacturing; Mining; Construction; Wholesale Trade

### Tasks

This occupation may include associated occupations with varying tasks.

- interpreting engineering production drawings
- setting up, operating and adjusting production plant to shape metal stock and castings and cut sheet metal
- operating welding and electroplating plant
- operating furnaces and quenching plant to smelt and change the structure of metals
- using kilns and ovens to fire ceramics
- processing mineral ore and operating metal rolling plant
- casting molten metal and operating plant to draw metal wire through dies
- operating computer-controlled production plant

# 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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