



Careers in manufacturing: manufactured mineral products

Machine operations

Clay, concrete, glass and stone processing machine operators operate machines to manufacture and finish a variety of clay, concrete, glassware and stone products by extruding, shaping, mixing, grinding, cutting and other processes.

Tasks include:

- monitoring the flow of clay and other raw materials and products into machines, and adjusting valves and controls to specifications
- positioning clay and stone on machines to be cut and worked
- operating concrete mixing, stacking and splitting machines
- setting up and installing moulds and other machine fixtures
- setting up and operating glass-making machines to produce molten glass, and regulating temperature of molten glass
- pressing and blowing glass into moulds to form glassware products
- collecting and examining samples for conformity to specifications and adjusting machine settings accordingly
- setting grinding and cutting edges
- using hand tools to cut, inscribe and polish roughly hewn stone to finished condition.

Occupations within the machine operations sector of manufactured mineral products include:

- Clay products machine operator
- Concrete products machine operator
- Glass production machine operator
- Stone processing machine operator.

Clay products machine operator

Clay products machine operators operate machines to manufacture clay products, such as bricks, tiles, insulators, porcelain and pottery, by shaping and firing clay.

- move materials by hand or using a forklift
- package products
- provide written reports on plant operation and product levels
- liaise with operators, technologists and management.

Relevant qualification:

- Certificate II in Manufactured Mineral Products

Concrete products machine operator

Concrete products machine operators operate machines to manufacture moulded concrete products, such as cement pipes and fittings, concrete railway sleepers, concrete bricks, tiles and paving blocks, structural beams, building panels and cast products.

Relevant qualification:

- Certificate II in Manufactured Mineral Products

Glass production machine operator

Glass production machine operators operate machines to manufacture molten glass and shape glassware products, such as containers, sheet glass, structural and stained glass, glass lenses and prisms.

Relevant qualification:

- Certificate II in Manufactured Mineral Products

Stone processing machine operator

Stone processing machine operators operate machines to cut and finish stones for tiles, building blocks and facings.

Relevant qualification:

- Certificate II in Manufactured Mineral Products.

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