



Australian Government

Assessment Requirements for FWPCOT3273 Set up and run multi-head moulder to produce complex profiles

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- set up and run a multi-head moulder to produce timber with any of the following complex profiles according to work order:
 - tongue and groove flooring
 - lining board
 - shiplap
 - joinery profiles
 - other detailed mouldings
- in doing the above job:
 - worked safely, including following workplace health and safety and environmental procedures
 - selected and fitted cutter heads for a profile specified in a work order
 - calibrated the moulder to ensure output timber conforms to the required profile
 - run the moulder
 - completed workplace reports on set-up and calibration activities.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose, features, operating parameters, components and operation of multi-head moulders
- equipment used in setting up and running multi-head moulders
- types of cutters used to produce complex profiles
- types and applications of complex profiles:

- tongue and groove flooring
- lining board
- shiplap
- joinery profiles
- other detailed mouldings
- cutter head damage and defects:
 - types
 - effects
 - corrective actions
- multi-head moulder machine components:
 - cutters
 - fences
 - guides
 - bed plates
 - rollers
 - beam
- variables impacting on the finished quality of machined timber:
 - machine variables, including cutting speed, cutter pitch, feed speed, cutting angles, cutter sharpness
 - timber variables, including moisture content, grade, age, species
- feed rates and how they affect production output and finished quality of timber boards
- methods for calculating feed speed
- factors that impact on the selection of feed speed:
 - size
 - profile
 - species
- typical timber defects and how these impact on the quality of finished timber product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- industry standard profiles, lengths, cross-sections and tolerances and applicable terminology
- cutting patterns used on timber boards to achieve maximum volume recovery
- methods for assessing cutter condition
- types of risk and hazards and mitigation measures associated with dressing timber boards using multi-head moulders
- workplace procedures specific to dressing timber boards using multi-head moulders:

- workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
- communication reporting lines
- recording and reporting of production outcomes, equipment faults and maintenance requirements
- environment protection legislation relating to sawmill operations.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber sawmill or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - multi-head moulder
 - cutters for complex profiles
 - tools for setting up and calibrating multi-head moulders
 - PPE suitable for setting up and running multi-head moulders
- specifications:
 - template documents for recording outcomes of setting up and running multi-head moulders
 - manufacturer instructions for setting up and running multi-head moulders
 - work order with specific instructions for setting up and running multi-head moulders
 - workplace procedures for setting up and running multi-head moulders.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>