



Australian Government

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

Release: 1

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

Modification History

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

Application

This unit of competency describes the skills and knowledge required to set up and run a computer numerically controlled (CNC) or semi-automated multi-head moulder in a sawmill to produce timber with complex profiles such as tongue and groove flooring, lining board, shiplap, joinery profiles and other detailed mouldings.

The unit applies to individuals who set up and run multi-head moulders in a sawmill to produce timber with complex profiles.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for work	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with setting up and running a moulder to produce complex profiles 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.6 Obtain tools, equipment and testing devices needed for the work, and check for correct operation and safety
2. Select and fit cutter heads for complex timber profile	2.1 Select cutter heads consistent with required timber profile 2.2 Check cutter heads for damage and defects according to manufacturer and workplace procedures 2.3 Prepare cutter head according to manufacturer procedures 2.4 Select and fit splitting units, as required, according to workplace procedures to produce required timber sizes
3. Complete set-up	3.1 Adjust machine components to meet product requirements 3.2 Set safety hoods and machine guards according to manufacturer and workplace safety requirements 3.3 Calculate feed speed and set in relation to timber size, profile and species according to workplace procedures
4. Calibrate moulder	4.1 Remove setting-up tools and other tools and equipment from the moulder according to workplace procedures 4.2 Complete start-up check according to workplace procedures 4.3 Run test piece through the moulder to check equipment operation, accuracy, quality and dimensions of finished work 4.4 Accept or reject trialled material and dispose of according to environmental protection practices 4.5 Monitor dust extraction system during the test run and test piece machining to ensure compliance with workplace health and safety requirements 4.6 Adjust components until output timber conforms to the required

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	profile 4.7 Check operation of branding equipment and install brand, as required, according to workplace procedures 4.8 Reset tally meter as required according to workplace procedures 4.9 Record and report outcomes of set-up and calibration activities, including equipment faults and maintenance requirements, to appropriate personnel
5. Operate multi-head moulder	5.1 Maintain feed rate appropriate to machine capability, timber condition and board size 5.2 Assess dressing conditions regularly to ensure continuity of supply and processing 5.3 Adjust conditions to optimise feed rate and maintain finished dimensions according to work order requirements 5.4 Regularly evaluate finish and measure dressed board dimensions, and make adjustments to ensure product quality and required dimensions 5.5 Dispose of incorrect cuts, off-cuts and defective material according to environmental protection practices
6. Monitor multi-head moulder	6.1 Monitor in-feed and out-feed of timber to prevent degrading of output product 6.2 Monitor quality of output product and make adjustments to correct identified quality issues according to workplace procedures 6.3 Monitor and maintain supplies of timber to ensure consistent operation of the moulder
7. Maintain multi-head moulder	7.1 Follow workplace safety procedures to lock out equipment 7.2 Check cutter for bluntness or damage 7.3 Remove and replace cutters according to manufacturer recommendations 7.4 Dispose of used cutters according to environmental protection practices 7.5 Monitor dust extraction system during operation to ensure compliance with workplace health and safety requirements 7.6 Keep machine area clear of dust and debris according to workplace health and safety procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	7.7 Record and report production outcomes, equipment faults and maintenance requirements to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Extracts essential information from workplace documents on the operation of multi-head moulders
Writing	Prepares routine written reports that inform others about the outcomes of work activities
Oral communication	Employs active listening and questioning to clarify information on process flow in sawmills
Numeracy	Measures finished dimensions against specifications and allowable tolerances
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3273 Set up and run multi-head moulder to produce complex	FWPCOT3266 Dress timber using multi-headed machines	This unit and FWPCOT3272 have replaced FWPCOT3266 for creating specific skills required of operators using multi-head moulder/planer to produce timber with complex	No equivalent unit

profiles		profiles	
----------	--	----------	--

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>