MSTLG2001 Cut by machine

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTLG2001A Cut by machine

Application

This unit of competency covers the skills and knowledge required to carry out preparation activities, select and cut materials by machine to specifications and workplace standards.

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within industry codes, standards and defined procedures, under direct supervision.

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

Pre-requisite Unit

Nil

Competency Field

Leather production

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.	
1 **Determine job requirements**	1.1	Follow standard operating procedures (SOPs)
	1.2	Comply with work health and safety (WHS) requirements at all times
	1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
	1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

2	**Set up workstation**	2.1	Set up workstation in accordance with specifications and workplace procedures
		2.2	Prepare cutting equipment in accordance with manufacturer instructions
		2.3	Select tools and cutting equipment as appropriate to job allocation
		2.4	Check and take appropriate action in case of wear and tear, especially in relation to knives and boards
		2.5	Keep records in accordance with procedures
3	**Assess materials**	3.1	Assess the material against specification to determine best clicking approach
		3.2	Lay out materials for single or upper multiple cutting to meet specifications
		3.3	Interpret work ticket
		3.4	Size, mark and count cut pieces using colour coding or workplace identification systems
		3.5	Stamp cut pieces according to work ticket and specifications
		3.6	Sort materials according to colour and shade and other specifications
		3.7	Check materials in relation to directional stretch and strength to determine best clicking approach
4	**Operate machine**	4.1	Start up and shut down machines following enterprise operator procedures
		4.2	Clean, turn and maintain cutting board regularly
		4.3	Check striker plate regularly for distortion and damage and report irregularities
		4.4	Carry out minor machine maintenance

5	**Cut materials**	5.1	Select clicking knives according to job specifications and size requirements
		5.2	Adjust pressures on press for knife sizes and shapes in accordance with procedures
		5.3	Recognise and refer problems or faults with press, patterns, knives and cutting boards for repair or correction
		5.4	Follow work ticket specifications according to pieces and pairs
		5.5	Minimise wastage of material when using clicking knives and patterns in accordance with specifications and procedures
		5.6	Identify faults and position patterns accordingly
		5.7	Cut parts to workplace quality standards in relation to material flaws
		5.8	Select, colour or grain pieces to match workplace quality standards
		5.9	Cut pieces and panels to achieve best yield according to appropriate allowance
		5.10	Identify distortions and defects on press cutting boards and take appropriate action
6	**Check finished product**	6.1	Check finished product against workplace quality standards
		6.2	Complete workplace documentation, as required

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:	• requirements prescribed by legislation, industry codes and standards, awards, agreements and conditions of employment • tasks related to environmental protection, waste disposal, pollution control and recycling • quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output • SOPs • work instructions, oral, written and visual communication • taking of rest breaks
Australian Standards include:	• the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Materials include three or more of the following:	• suede
	• suede split
	• PU coated splits
	• PU coated non-woven fabrics
	• corrected grains
	• leather linings
	• leathers:
	   • buffalo
	   • cow
	   • calf
	   • kid
	   • deer
	   • kangaroo
	   • fish
	   • reptiles
	   • emu

Machines include one or more of the following:	• swing beam press • travelling head press • full beam press • automated presses

WHS practices	WHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and include one or more of the following:

- manual handling techniques
- PPE
- safe materials handling
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- other WHS practices relevant to the job and enterprise

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e