



Australian Government

MSFSF3001 Operate drop cutting machines

Release: 1

MSFSF3001 Operate drop cutting machines

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers using drop cutting machines to machine synthetic or natural fabrics used for curtains, internal or external blinds, awnings and shade wings.

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

Pre-requisite Unit

Competency Field

Unit Sector

Soft Furnishing

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Identify drop cutting machine controls, adjustments and work procedures	1.1	Job requirements are identified from workplace approved operating procedures
		1.2	Equipment components, adjustment points and controls are identified
		1.3	Operating procedures are checked to identify approved operating range and adjustments
		1.4	Equipment operations and production procedures are identified
		1.5	The process for obtaining materials and moving products to the next process is identified
2	Plan and prepare for work	2.1	Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition

- 2.2 Inspection procedure for material quality and equipment condition is identified
 - 2.3 Work sequence is planned to suit job
 - 2.4 Work health and safety (WHS) requirements, including ergonomic criteria and personal protection needs, are observed throughout the work
 - 2.5 Equipment emergency stops and guards are identified
 - 2.6 Machine checking procedures are identified
 - 2.7 Any required supplementary equipment is identified for routine lubrication and adjustments of the equipment
- 3 Set and operate drop cutting machine
 - 3.1 Fabric length and angle of cut are set on the drop cutting machine following work order
 - 3.2 Fabric is fixed to the machine using appropriate hooks or other fasteners
 - 3.3 Fabric is checked for flaws prior to cutting
 - 3.4 Fabric use minimises waste materials
 - 3.5 Cutting operations provide the required product quality standards, work outputs and minimisation of waste
 - 3.6 Problems are identified and reported following workplace procedures
 - 3.7 Cut lengths are checked for required quality and moved to the next process
 - 3.8 Waste and scrap are dealt with following workplace procedures
 - 3.9 Equipment and work area clean-up are completed following workplace procedures
- 4 Confirm quality requirements are met
 - 4.1 Process is monitored and conditions which may affect quality standards are reported
 - 4.2 Observed requirements for repairs or maintenance are identified and reported to appropriate personnel
 - 4.3 Authorised changes to settings or operating procedures are implemented

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

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| Unit context includes: | <ul style="list-style-type: none">• WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent• work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements• work requires individuals to demonstrate some discretion, judgement and problem solving |
| Machine checking procedures include: | <ul style="list-style-type: none">• materials inputs and outputs• cutting blade condition• attachments and ancillary equipment• quality requirements for the process stage |
| Personal protective equipment includes: | <ul style="list-style-type: none">• that prescribed under legislation, regulations and enterprise policies and practices |
| Information and procedures include: | <ul style="list-style-type: none">• workplace procedures relating to the use of tools and equipment• work instructions, including job sheets, cutting lists, plans, drawings and designs• workplace procedures relating to reporting and communication• manufacturer specifications and operational procedures |

Unit Mapping Information

Supersedes and is equivalent to LMFSF3001B Operate drop cutting machines.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFSF3001 Operate drop cutting machines

Modification History

Release 1 - New unit of competency

Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Identify and operate machine controls and guards and set depth and angle of cut to specification
- Operate drop cutting machine to cut at least five (5) different types of material or fabric
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Types, characteristics, uses and limitations of drop cutting machines
- Characteristics of materials used and products produced
- Identification of equipment adjustment points, processes and procedures
- Procedure for reporting faulty products or interruptions to work flow
- Work flow requirements for process

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors

- have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to drop cutting machines, equipment operating procedures and fabric for cutting.

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