



Australian Government

MSTDE3007 Demonstrate features of digitised embroidery machines

Release: 1

MSTDE3007 Demonstrate features of digitised embroidery machines

Modification History

Release 1. Supersedes and is equivalent to LMTDE3007A Demonstrate features of digitised embroidery machines

Application

This unit of competency covers the skills and knowledge required to demonstrate features of digitising and computerised embroidery equipment in a retail, commercial or industry setting.

The unit of competency includes the demonstration of program and machine features and working requirements to customers. It typically applies in a retail, commercial or industry environment where the worker is responsible for sales advice and service of specialised digitising and computerised embroidery equipment. It requires skills to be able to demonstrate features and options available for the user.

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

Pre-requisite Unit

Nil

Competency Field

Digitising and computerised embroidery

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	Prepare to demonstrate features of digitised embroidery machines	2.1	Identify intended uses and priorities for equipment and match to machine selection
		2.2	Establish customer requirements
		2.3	Access and select information resources
3	Explain features and demonstrate machines and digitising functions	3.1	Identify and describe machine features, typical problems and their remedies
		3.2	Demonstrate machine preparation, basic care and maintenance requirements
		3.3	Demonstrate digitising and software functions
4	Demonstrate embroidery production	4.1	Select image and digitise for production
		4.2	Demonstrate relevant software options to digitise and edit images and text
		4.3	Demonstrate embroidery procedures
		4.4	Produce embroidery sample and explain process to customer
5	Confirm customer understanding	5.1	Seek feedback to confirm customer understanding of key features of the equipment and process
		5.2	Use effective communication skills to invite and respond to questions
		5.3	Provide customer with support information or 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, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Software includes:

- any software classed as a digitising software and includes customising and editing software

Digitising functions include one or more the following:

- software functions
- characteristics of suitable images for digitising, and software limitations in processing designs
- the range of embroidery outcomes and effects
- examples of samples or images
- typical problems, software limitations and their solutions

Embroidery procedures include the following:

- stitch conversion process, fills, colours and outlines
- file saving and documentation, and exporting completed design to the machine ready for stitching

- preparation of machine
- selecting and using fabric, stabiliser, toppings and backings, needles, thread and hoop types according to the sample requirements

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTDE3007A Demonstrate features of digitised embroidery machines

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTDE3007 Demonstrate features of digitised embroidery machines

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- demonstrating the range of features, functions and procedures, of a digitised embroidery machine on at least two (2) occasions
- reading and following work instructions, standard operating procedures and safe work practices and other reference material
- applying relevant standards
- explaining information on standard operating procedures (SOPs), work instructions and other reference material
- identifying and describing machine features, typical problems and their remedies
- maintain machine and equipment to suppliers requirements
- producing embroidery sample and explaining process to customer
- seeking feedback to confirm customer understanding of key features of the equipment and process
- using effective communication skills to invite and respond to questions
- providing customer with support information or documentation as required.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- embroidery machines: domestic (single or multi-needle) or commercial (single or multi-head) machines
- basic care and maintenance requirements
- computer navigation to access and manipulate an image
- software functionality
- basic machine embroidery techniques
- types and properties of fabric
- colour, texture, shape, balance and composition theory
- hoop types
- needle types and uses:
 - standard

- metalfil
- embroidery eye
- stretch
- thread types:
 - polyester
 - metallic
 - rayon
 - cotton
- stabilisers, toppings and backings:
 - water soluble
 - tear away
 - iron on
 - cut away
 - varying weights
- workplace or store policies and procedures
- environmental aspects related to workplace and machine or equipment operation and manual handling
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in demonstrating features of digitised embroidery machines, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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