



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **LMTTX3004B Set up textile production machines for product change**

**Revision Number: 1**

## **LMTTX3004B Set up textile production machines for product change**

### **Modification History**

Not applicable.

### **Unit Descriptor**

**Unit descriptor**      This unit covers the skills and knowledge to perform or coordinate the setting up of machines for production changes.

## Application of the Unit

### Application of the Unit

The unit applies to the work involved with the setting of machines for product change, usually working independently and being accountable for own results including carrying out assigned tasks, coordinating processes and setting and working to deadlines. Work may be conducted in a variety of environments such as:

- operational workplace activities
- restricted space
- hazardous, controlled or exposed conditions

Work may be self-directed and unsupervised.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- 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

This unit requires the application of skills associated with planning and organising of resources and machinery for the required work, as well as applying skills and knowledge of machines and equipment to ensure machines are set up for new production outcomes. This unit also requires an ability to communicate in writing and verbally with others as well as team work skills to work with loom operators.

## Licensing/Regulatory Information

Not applicable.

## Pre-Requisites

### Prerequisites

## Employability Skills Information

**Employability Skills** This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

Not applicable.

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Set or organise setting of <i>machine</i>	1.1 Product specifications are interpreted for correct machine setting requirements. 1.2 Specifications are conveyed to appropriate personnel, where required. 1.3 Machine is set according to product specifications and manufacturer instructions.
2 Conduct sample or trial runs	2.1 <i>Materials or products</i> to be used for sampling or trialling are obtained or arranged. 2.2 Machine is operated according to manufacturer requirements and <i>OHS practices</i> . 2.3 Specified sample is produced.
3 Check sample and organise quality testing	3.1 Sample is checked to ensure quality standards are met. 3.2 Quality testing is assessed or organised as required.
4 Re-adjust or confirm machine settings to meet requirements	4.1 Test results are interpreted to determine adjustment requirements. 4.1 Adjustment changes are completed according to product and machine specifications.

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- machine and equipment operation
- setting and adjustment requirements
- technical specifications manuals
- maintenance planning and workplace practices
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- interpret technical data
- set and operate machines
- test and analyse samples
- use and dispose of a range of chemical cleaning agents, sealants and lubricants
- document, assess and transfer information
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

## Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

<b>Critical aspects of evidence to be considered</b>	Demonstrates skills and knowledge to: <ul style="list-style-type: none"><li>• interpret specifications for machine settings</li><li>• arrange or conduct quality testing of samples</li><li>• operate and adjust machines correctly</li><li>• analyse samples or test results</li><li>• maintain accurate records</li><li>• apply OHS practices in work operations</li></ul>
<b>Consistency in performance</b>	Consistently applies skills and knowledge when: <ul style="list-style-type: none"><li>• organising work</li><li>• completing tasks according to instructions</li><li>• working systematically with attention to detail</li><li>• identifying improvements and avoiding damage</li><li>• using workplace practices</li><li>• using OHS practices</li><li>• recording and reporting accidents and incidents</li><li>• assessing operational readiness of equipment</li><li>• recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions</li></ul>
<b>Resource implications</b>	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
<b>Context for assessment</b>	Assessment may occur on the job or in an appropriately simulated environment.
<b>Interdependent assessment</b>	This unit may be assessed independently or in combination with other relevant units.

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

**Legislative/regulatory requirements** All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.

**Machines may include**

- knitting:
- circular, straight bar and flat bed knitting machines
- warp knitting and slitting machines
- embroidering and multi-needle quilting machines
- dyeing and finishing:
- batch preparation, dyeing, drying finishing
- continuous preparation, dyeing, drying finishing
- garment dyeing, drying and pressing
- hosiery:
- circular knitting and sewing machines
- presses
- packaging and slitting machines
- spinning:
- cotton - cleaning, blending, carding, combing, drawing, roving, spinning, twisting, winding
- worsted - combing, gilling, drawing, roving, spinning, twisting, winding
- woollen - blending, carding, spinning, twisting, winding
- textile printing and finishing:
- colour mixing equipment
- printing table machine
- garment printing machines/equipment
- automated flat screen, rotary screen and carpet printing machines
- heat transfer printing equipment
- screen preparation and manufacturing equipment
- slitting machines
- steaming and washing equipment
- finishing equipment
- non-woven:
- extruders
- winders
- carding, needling, bonding, lay-down, slitting and texturing,

	multi-needle quilting machines
	<ul style="list-style-type: none"> <li>• tufting:</li> <li>• tufting machines, including creels and mending frames, winding and beaming machines</li> <li>• weaving:</li> <li>• weaving machines</li> <li>• looms</li> <li>• gaiting trucks and frames</li> <li>• accumulators tying-in, sizing, beaming, warping, slitting, drawing-in automatic and spool matching machines</li> <li>• batching machines</li> </ul>
Materials or products may include	<ul style="list-style-type: none"> <li>• tufting: yarns for tufting</li> <li>• spinning: spun cotton, worsted and woollen yarns</li> <li>• knitting: finished knitted garments</li> <li>• hosiery: finished hosiery garments</li> <li>• non-woven: non-woven fabrics</li> <li>• textile printing and finishing: finished fabrics used in textile printing</li> <li>• dyeing and finishing: fabrics used in weaving, dyeing and finishing</li> </ul>
OHS practices	<p>OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to:</p> <ul style="list-style-type: none"> <li>• manual handling techniques</li> <li>• standard operating procedures</li> <li>• personal protective equipment</li> <li>• safe materials handling</li> <li>• taking of rest breaks</li> <li>• ergonomic arrangement of workplaces</li> <li>• following marked walkways</li> <li>• safe storage of equipment</li> <li>• housekeeping</li> <li>• reporting accidents and incidents</li> <li>• environmental practices</li> </ul>

## Unit Sector(s)

**Sector** Textile Production