



**Australian Government**

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

# **LMFSF2005B Operate a steam press**

**Revision Number: 1**

## LMFSF2005B Operate a steam press

### Modification History

Not applicable.

### Unit Descriptor

<b>Unit descriptor</b>	This unit covers the competency to apply knowledge of materials, product purpose and processes to the operation of steam pressing equipment.
------------------------	--

### Application of the Unit

<b>Application of the unit</b>	
--------------------------------	--

### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

<b>Prerequisite units</b>	Nil	

### Employability Skills Information

<b>Employability skills</b>	This unit contains employability skills.
-----------------------------	--

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
---	--

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify work requirements	<ul style="list-style-type: none"><li>1.1. Work orders, care labels, and equipment instructions are used to identify work requirements</li><li>1.2. Equipment, components and processes used for materials preparation and pressing process are identified</li><li>1.3. Operating requirements for the steam pressing equipment are identified</li><li>1.4. Workplace quality requirements for the final product are identified</li></ul>
2. Plan steam pressing operations	<ul style="list-style-type: none"><li>2.1. OHS requirements, including ergonomic criteria and personal protection needs, are observed throughout the work</li><li>2.2. Temperatures and any particular precautions are identified from care labels and workplace instructions</li><li>2.3. Work sequence is planned to suit job</li><li>2.4. Equipment emergency stops, gauges, guards and controls are identified</li><li>2.5. Task sequences are planned</li></ul>
3. Set up steam pressing equipment	<ul style="list-style-type: none"><li>3.1. Equipment information, required specifications and operating instructions are identified</li><li>3.2. Temperatures are set and equipment adjustments are checked against work plan</li><li>3.3. Fabric panels are checked for quality prior to pressing</li><li>3.4. Damaged or incomplete items are reported</li></ul>
4. Press fabrics	<ul style="list-style-type: none"><li>4.1. Materials are lifted and held onto the press using appropriate techniques</li><li>4.2. Pressing operations are conducted following the planned sequence</li><li>4.3. Adjustments are made to press settings to improve quality of work</li><li>4.4. Required quantity and quality of work is maintained</li><li>4.5. Pressed items are protected from dust and other contaminants and placed in workplace approved holding areas</li><li>4.6. Equipment is cleaned up and lubrications, adjustments and waste management processes are completed in accordance with workplace procedures</li></ul>

ELEMENT	PERFORMANCE CRITERIA
5. Maintain work quality	<p>5.1. Pressing process is monitored and materials and equipment operating conditions which may affect product quality are reported</p> <p>5.2. Authorised changes in operating procedures and temperatures are implemented</p>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

#### Required skills

- collect, organise and understand information related to work orders, basic plans and safety procedures
- communicate ideas and information to enable confirmation of work requirements and specifications, co-ordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including the preparation and layout of the worksite and the obtaining of equipment and materials to avoid any back tracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using co-operative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to correctly complete measurements and estimate material requirements
- use pre-checking and inspection techniques to anticipate steam pressing problems, avoid re-working and wastage
- use the workplace technology related to steam pressing, including pressing equipment and effects of pressing

#### Required knowledge

- the types, characteristics, uses and limitations of steam presses
- the operating controls and principles which effect the steam pressing equipment
- the effect of steam on the range of materials which may be pressed
- requirements for minimising damage to and maintaining contaminant-free pressed fabrics

## Evidence Guide

### EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

#### Critical aspects of evidence

- Apply safe handling practices for equipment, products and materials
- Explain the impact of machine temperature and pressure on product quality and output
- Interpret work order and locate and apply relevant information
- Press at least five different types of materials
- Follow work instructions, operating procedures and inspection practices to:
  - minimise the risk of injury to self and others
  - prevent damage to goods, equipment and products
  - maintain required production output and product quality
- Work effectively with others
- Modify activities to cater for variations in workplace contexts and environment
- Report process or materials faults, damaged products or equipment

#### Resource implications

Appropriate materials, steam pressing equipment, care labels and work orders.

#### Method of assessment

Assessment methods must confirm consistency of performance over time and in a range of workplace relevant contexts.

Assessment should be by direct observation of tasks and questioning on underpinning knowledge.

Assessment should be conducted over time and will generally be in conjunction with assessment of other units of competency.

#### Context of assessment

Assessment may occur on the job or in a workplace simulated facility with relevant process equipment, materials, work instructions and deadlines.

## 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. 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) may also be included.

<b>Unit scope</b>	Steam pressing operations cover work involving the operation of steam pressing equipment, monitoring operations and work quality, maintaining personal safety and the safety of others
<b>Unit context</b>	<ul style="list-style-type: none"> <li>OHS requirements may include legislation, building codes, material safety management systems, hazardous and dangerous goods codes and local safe operating procedures or equivalent</li> <li>Work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements</li> <li>Work requires individuals to demonstrate some discretion, judgement and problem solving skills in the set up and operation of machines. This may be demonstrated either individually or in a team environment</li> </ul>
<b>Task planning is to cover:</b>	<ul style="list-style-type: none"> <li>required temperatures and warm up/cool down times</li> <li>key parts of the materials to be pressed which require checks for quality of work</li> <li>work area housekeeping requirements</li> <li>safe and suitable work area</li> </ul>
<b>Materials to be pressed may include but are not limited to:</b>	<ul style="list-style-type: none"> <li>plain and patterned fabrics</li> <li>lining materials and leather used in the manufacture of soft furnishing items</li> </ul>
<b>Personal protective equipment</b>	Personal protective equipment is to include that prescribed under legislation, regulations and enterprise policies and practices
<b>Information and procedures</b>	<ul style="list-style-type: none"> <li>Machine manufacturer specifications and operational procedures</li> </ul>

<b>RANGE STATEMENT</b>	
	<ul style="list-style-type: none"> <li>• Workplace procedures relating to the setting and operation of machinery</li> <li>• Work instructions, including job sheets, plans, drawings and designs</li> <li>• Workplace procedures relating to reporting and communication</li> </ul>
<b>Material lifting and holding will be impacted on by:</b>	<ul style="list-style-type: none"> <li>• machine type</li> <li>• personal right- or left-hand preference of the operator</li> <li>• manipulation requirements for the materials</li> <li>• special pressing requirements for different parts of the pressed panels</li> </ul>

## Unit Sector(s)

<b>Unit sector</b>	Soft Furnishing
--------------------	-----------------

## Competency field

<b>Competency field</b>	
-------------------------	--

## Co-requisite units

<b>Co-requisite units</b>		