



Australian Government

ICPSCP3510 Prepare machine and drying/curing unit

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 4.0.

Application

This unit describes the skills and knowledge required to prepare a manual, semi-automatic or automatic machine for printing and set up drying and/or curing units.

It applies to individuals working in the printing and graphic arts industry who may have to set up and operate power-driven or hand-operated screen printing machines. They may have to provide leadership and guidance to others and have some limited responsibility for the output of others.

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

Unit Sector

Screen printing

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Inspect screen	1.1 Identify screen frames and determine colour sequence 1.2 Examine screen frame for defects and undertake action as required 1.3 Tape each screen as required 1.4 Inspect screens against film positives, variations in centring, registration and alignment, and undertake action as required 1.5 Handle screen frame, mesh and stencil according to manufacturer specifications
2. Maintain and adjust	2.1 Inspect machine and carry out user maintenance according to

ELEMENT	PERFORMANCE CRITERIA
machine	manufacturer specifications and enterprise procedures 2.2 Make required periodic adjustments according to manufacturer specifications
3. Install screen frames and dry run machine	3.1 Position laysheet in grippers and side-lay according to manufacturer specifications 3.2 Image position is established on laysheet 3.3 Position screen frame in screen frame holder 3.4 Confirm registration, alignment and centring and tighten screen clamps 3.5 Run machine through printing, and confirm that substrate registers in lays
4. Prepare and position flood bar and squeegees	4.1 Assemble flood bar and squeegee and confirm that flood bar is free of nicks and burrs 4.2 Sharpen squeegee blade according to manufacturer specifications and ink system requirements 4.3 Position flood bar and squeegee according to job specifications with squeegee at required pre-determined angle 4.4 Adjust on and off contact according to ink system and printing speed 4.5 Adjust squeegee and bring into contact with substrate
5. Set up drying or curing unit	5.1 Set up belt speed and energy according to job requirements and adjust printing speeds 5.2 Stack stock as required at end of dryer

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Description
Reading	Establishes job requirements from relevant information
Numeracy	Uses simple mathematical calculations to determine and adjust resources and equipment
Self-management	- Complies with enterprise procedures - Considers own role in terms of its contribution to broader goals of

	the work environment
Planning and organising	• Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for efficiency • Automatically implements standard procedures for routine decisions
Problem solving	• Identifies and takes responsibility for addressing predictable problems in familiar work contexts
Technology	• Identifies the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks, adapting some functions to improve personal efficiency

Unit Mapping Information

Supersedes and is equivalent to ICPSCP351 Prepare machine and drying/curing unit.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>