



Australian Government

ICPPRN2110 Mount and proof flexographic plates for basic printing

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 and mount flexographic plates and plate cylinders for routine printing including proofing plates and checking cylinders for registration.

It applies to individuals who work under direct supervision and perform a range of routine printing tasks in a defined context. The practical skills and operational knowledge required to perform these tasks is at a fundamental level.

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

Unit Sector

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. Prepare for job	1.1 Identify job specifications 1.2 Carry out set up of required machinery according to manufacturer specifications 1.3 Complete and sign off on required prior inspections
2. Prepare flexographic plates	2.1 Measure plate height and relief 2.2 Trim and prepare plates according to mounting system requirements 2.3 Select mounting adhesive according to pitch circle diameter

ELEMENT	PERFORMANCE CRITERIA
	(PCD) of specified plate cylinders and gears
3. Prepare plate cylinders	3.1 Select, clean and prepare plate cylinders and seamless sleeves as required 3.2 Select, clean, prepare and mount sleeves and gears on mandrels according to job specifications 3.3 Check total indicated run-out (TIR) is within specified tolerances on plate cylinders 3.4 Select and apply mounting adhesive to plate cylinders
4. Mount and proof flexographic plates on machine	4.1 Prepare plates and mount on cylinders 4.2 Prepare plate mounting sheet according to job specifications and registration requirements 4.3 Mount plates to required position 4.4 Install plate mounting sheet and tension onto plate cylinder 4.5 Proof plates and check each plate cylinder for register 4.6 Trim and tape down flexographic plates according to printing press requirements

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	Identifies and interprets text to establish job requirements
Writing	Completes workplace forms accurately
Numeracy	Interprets and analyses a range of mathematical information used in familiar and routine tasks
Self-management	- Identifies and follows explicit and implicit protocols and meets expectations associated with own role - Complies with regulatory requirements, and follows organisational procedures relevant to own role
Teamwork	Seeks to cooperate with others to achieve results in immediate work context
Planning and	With assistance, determines priorities and sequences steps involved in clearly defined, familiar tasks and identifies and assembles required

organising	resources
Problem solving	• Responds to predictable problems and implements standard or logical solutions related to role in immediate work environment
Technology	• Reads data from electronic monitoring and control systems

Unit Mapping Information

Supersedes and is equivalent to ICPPRN211 Mount and proof flexographic plates for basic printing.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICPPRN2110 Mount and proof flexographic plates for basic printing

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- prepare flexographic plates and plate cylinders on two occasions for basic jobs and mount these according to the selected mounting system, as specified on job documentation or production control system, according to enterprise procedures
- proof plates and check plate cylinder registration of the flexographic plates mounted on the proofing machine for this purpose on two occasions for basic jobs.

In the course of the above the candidate must:

- operate tools and machinery according to work health and safety (WHS) requirements.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- WHS risks and requirements for:
 - mounting and proofing plates
 - setting up and operating machinery
 - machine shutdown
 - cleaning machinery
- the job documentation or production control system and the job information it contains
- the checks to be done prior to set up (availability of materials etc.)
- flexographic printing plates and mounting systems
- the effect of pitch circle diameter (PCD) on specified plate cylinders and gears
- checks required to ensure the required plates for the job have been selected
- circumstances where cushion type mounting material is used
- handling and mounting procedure for plates that avoids damage
- options to seal edges of plates when mounting
- the importance of measuring plate height

- the effect of TIR (total indicated run-out) on press performance
- the procedure for V-block mounting
- proofing and adjustment throughout the production run
- quality control measurements to apply to the proof to test against known standards
- the checks to be made on initial print prior to running
- methods for minimising registration errors
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the printing field of work and include access to:

- flexographic printing machine
- mounting systems
- print direction chart.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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