



Australian Government

ICPCBF382 Produce complex laminated product

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 1.0.

Application

This unit describes the skills and knowledge required to produce complex laminated product, to monitor and adjust machinery, maintain transportation of the substrate, identify and rectify faults, and correctly clean and shut down equipment.

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

Unit Sector

Converting, Binding and Finishing

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. Maintain operation of reel transportation system on web-fed machine	1.1 Reel stand is monitored and adjusted to ensure efficient continuous operation 1.2 Web control system is monitored and adjusted to ensure correct tension and accurate continuous positioning of the web for efficient operation 1.3 Substrate is added to the process according to job specifications
2. Maintain operation of reel delivery system on web-fed machine	2.1 Reel rewind section is monitored and adjusted to maintain correct tension and to ensure no marks, blemishes or damage to finished product 2.2 Substrate is removed from the process according to job specifications 2.3 Sheeting section is monitored and adjusted to ensure quality

ELEMENT	PERFORMANCE CRITERIA
	and efficient product delivery
3. Maintain complex laminating process	3.1 Registration of laminating is monitored and adjusted to ensure product quality meets the approved sample standard 3.2 Pressures are monitored and adjusted to ensure product quality meets the approved sample standard 3.3 Adhesion is monitored and adjusted to ensure product quality meets the approved sample standard
4. Maintain production processes	4.1 In-line printing/coating/converting/binding/finishing process(es) are monitored and adjusted to ensure product quality meets the approved sample standard 4.2 Production process is operated in association with fellow workers and according to enterprise procedures and planned daily schedule 4.3 Production is maintained according to work health and safety (WHS) requirements, manufacturer's specifications and enterprise procedures 4.4 Manual and/or automatic control is used according to job specifications 4.5 Performance is monitored and verified using the process control system according to enterprise procedures 4.6 Production difficulties are anticipated and preventive action is taken to prevent occurrence by timely intervention 4.7 Process adjustments to eliminate problems are reported according to enterprise procedures 4.8 Faulty performance of equipment is identified and reported according to enterprise procedures 4.9 Waste is sorted according to enterprise procedures
5. Identify and rectify machine operating problem	5.1 Problems in laminating machine are identified and reported according to enterprise procedures 5.2 Adjustments or corrections are carried out according to specified procedures, and are consistent with operator's skill level 5.3 Laminating machine operation is checked to ensure correct operation
6. Conduct shutdown of production process	6.1 Correct shutdown sequence is followed according to manufacturer's specifications and enterprise procedures 6.2 Shutdown is conducted in association with fellow workers and

ELEMENT	PERFORMANCE CRITERIA
	in compliance with WHS requirements 6.3 Substrate waste is removed from operating area and recycled or disposed of, where required, according to regulatory requirements and enterprise procedures 6.4 Machine faults requiring repair are identified and reported to designated person according to enterprise procedures 6.5 Repair/adjustment is verified prior to resumption of operations
7. Clean laminating machine at end of run	7.1 Laminating machine is disengaged and cleaned ready for next run 7.2 Adhesive system is washed ready for next run and liquid waste is disposed of according to regulatory requirements and enterprise procedures 7.3 In-line printing/coating/converting/binding/finishing units are cleaned ready for next run 7.4 Reel feed, transportation and delivery systems are disengaged and cleaned ready for next run 7.5 Production records or other documentation are accurately completed where required by enterprise procedures

Foundation Skills

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

Skill	Performance Criteria	Description
Reading	1.3, 2.2, 4.3, 4.4, 6.1	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	4.7, 4.8, 5.1, 6.4, 7.5	Enters routine data associated with production processes and enterprise procedures
Oral Communication	4.2, 4.7, 4.8, 5.1, 6.2, 6.4	- Speaks clearly using appropriate vocabulary, tone and pace to report faults and discrepancies - Participates effectively in spoken interactions to confirm or clarify requirements
Navigate the world of work	3.1-3.3, 4.1-4.3, 4.5, 4.7-4.9, 5.1, 5.2,	Recognises and follows all procedures for operation and maintenance of equipment, incorporating regulatory requirements and enterprise procedures

	6.1-6.4, 7.1-7.5	
Interact with others	4.2, 4.7, 4.8, 5.1, 6.2, 6.4	- Cooperates with others as part of familiar, routine activities, and contributes to specific activities requiring joint responsibility and accountability - Understands what to communicate, with whom and how, in routine work situations
Get the work done	1.1-1.3, 2.1-2.3, 3.1-3.3, 4.1-4.9, 5.1-5.3, 6.1-6.5, 7.5	- Determines priorities and sequences steps involved in clearly defined, familiar tasks - Recognises and anticipates an increasing range of familiar problems, their symptoms and causes; actively looking for early warning signs and implementing contingency plans - Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPCBF382 Produce complex laminated product	ICPCF382C Produce complex laminated product	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICPCBF382 Produce complex laminated product

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Performance Evidence

Evidence of the ability to:

- correctly produce a complex laminated product using any TWO of moisture, chemical and extrusion laminating processes. For each process, operate a laminating machine (2 or more ply) to complete TWO jobs on different substrates and of different sizes (large/small formats including one in-line process), while demonstrating splicing techniques in minimum time according to manufacturer's and job specifications, enterprise procedures and listed performance criteria (at least one machine used must be fully automated).

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain work health and safety factors for:
 - operating web machine transport and delivery systems
 - maintaining the laminating process
 - maintaining complex in-line processes
 - shutting down and cleaning the machine
- determine areas of the:
 - reel stand to monitor to ensure trouble-free operation
 - web control system to adjust to maintain correct web tension and positioning of the web
 - delivery system to observe to maintain tension
 - delivery system to observe to prevent damage to the finished product
 - in-line processes to monitor to ensure a quality product
 - machine that need regular cleaning

- explain the process for correct and continuous feeding and delivery of substrate
- list checks to make when substrate is removed from the machine
- determine ways:
 - registration of laminating is assured
 - adjustment of the machine is achieved
 - pressure can be adjusted during production
- determine areas of production to monitor to ensure trouble-free operation
- identify laminating problems that may occur during operation of the machine
- explain adjustments or correction procedures to ensure accurate operation of the process and to meet client requirements
- list checks to make when correctly shutting down the machine
- identify materials to clean from the machine
- explain requirements to keep the machine clear of surface rust (condensation)
- list recommended cleaning agents, and materials to be cleaned from the machine
- identify production records to be kept or written up, and the information to include
- determine quality aspects to consider in a completed laminated job
- list steps to ensure important features of the production control system are followed
- explain items to check against the client sample
- identify machine manuals, safety and other documentation relevant to this task, where they are kept, and the information included in them.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the converting, binding and finishing field of work and include access to facilities, equipment and materials used to produce a laminated product.

Assessors must satisfy NVR/AQTF assessor requirements.

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