



Australian Government

ICPCBF3280 Produce complex rotary die cut or embossed 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 4.0.

Application

This unit describes the skills and knowledge required to produce complex rotary die cut or embossed product, maintain operation of machinery and the production process, rectify problems and shut down the equipment.

It applies to individuals who work under direct supervision with limited responsibility in preparing materials and equipment and resolving issues to produce a finished product.

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 delivery systems	1.1 Monitor and adjust delivery systems 1.2 Add substrate to and remove substrate from the process according to job specifications
2. Maintain operation of complex rotary die cutting or embossing process	2.1 Review and adjust knife condition and cutting pressures according to sample quality requirements 2.2 Check and adjust registration of knife(s) 2.3 Check and adjust packing of cutting devices
3. Maintain production	3.1 Monitor and adjust in-line processes

ELEMENT	PERFORMANCE CRITERIA
process	3.2 Use machine controls as required 3.3 Review and verify performance using the process control system 3.4 Report process adjustments to eliminate problems according to enterprise procedures
4. Identify and rectify rotary cutting machine problems and faults	4.1 Identify and report problems in cutting machine operation according to enterprise procedures 4.2 Carry out adjustments or corrections according to specified procedures, and within scope of own role 4.3 Verify repairs and adjustments as required prior to resumption of operations
5. Conduct shutdown of production process	5.1 Follow shutdown sequence according to manufacturer specifications and enterprise procedures 5.2 Remove solid and liquid waste from operating area and recycle and dispose of, as required, according to regulatory requirements and enterprise procedures 5.3 Clean and disengage all required parts of machinery used in printing process according to manufacturer specifications and enterprise procedures 5.4 Sharpen cutting devices according to work health and safety (WHS) requirements 5.5 Complete required production records and enterprise documentation

Foundation Skills

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

Skill	Description
Writing	Enters routine data associated with production processes and enterprise procedures
Self-management	Identifies and follows all procedures for operation and maintenance of equipment, incorporating regulatory and enterprise requirements
Teamwork	Cooperates with others as part of familiar routine activities, and contributes to specific activities requiring joint responsibility and

	accountability Identifies what to communicate, with whom and how, in routine work situations
Planning and organising	Determines priorities and sequences steps involved in clearly defined, familiar tasks
Problem solving	Identifies and anticipates an increasing range of familiar problems, their symptoms and causes, actively looking for early warning signs and implementing contingency plans
Technology	Follows routine procedures for using digital technology by reading data from electronic monitoring and control systems

Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Delivery systems must include either:	- reel or - sheet.
Monitoring and adjusting must include:	- reel stand and rewind stand - web control system - sheeting section or - feeder and delivery systems - sheet pick-up and transportation systems - transfer systems.

Unit Mapping Information

Supersedes and is equivalent to ICPCBF328 Produce complex rotary die cut or embossed product.

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 ICPCBF3280 Produce complex rotary die cut or embossed product

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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:

- produce two complex products, including die cut and/or embossing in-line processes, with different substrates, sizes and patterns.

In the course of the above the candidate must:

- operate production process in association with fellow workers and according to enterprise procedures and planned daily schedule
- follow work health and safety (WHS) requirements, manufacturer specifications and enterprise procedures
- anticipate production difficulties and take preventive action to prevent occurrence.

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:

- enterprise and manufacturer procedures, and WHS requirements for:
 - setting up and operating machine transport and delivery systems
 - maintaining the cutting process
 - problem-solving on the rotary machine cutting process
 - handling blades
 - machine shutdown
- key factors to consider when maintaining rotary cutting operations
- areas of the:
 - machinery requiring cleaning at the end of the run
 - reel stand to monitor to ensure trouble-free operation
 - web control system to adjust to maintain web tension and the positioning of the web
 - delivery system to monitor to maintain tension and prevent damage to finished product

- sheet-fed feeder to observe to meet job requirements
- sheet pick-up system to adjust for continuous sheet handling
- production process that may require adjustment to meet client requirements
- checks to be made:
 - on cutting pressures and registration, packing of cutting area, condition of cutting edges, and the smooth running of the operation
 - on cutting accuracy after adjustment
 - when removing substrate from the machine
 - when packing, cleaning, storing or replacing cutting devices
 - when removing waste from the machine and surrounding area for disposal or recycling
 - when shutting down the machine
- indicators requiring replacement of cutting edges
- steps taken to ensure a clean and precise result
- common difficulties during production runs and correction procedures for machine faults
- cleaning agents used to clean the machine
- production records to be kept and the information that should be included
- quality requirements to consider in a completed rotary cutting job
- steps taken to ensure key features of the production control system are followed
- items to check against the client sample
- manufacturer manuals, enterprise procedures and work health and safety documentation, including their location and purpose.

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:

- special purpose tools, equipment and materials
- rotary die cutting or embossing machinery.

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

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