



Australian Government

Assessment Requirements for ICPPRN422

Produce specialised gravure printed 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.

Performance Evidence

Evidence of the ability to:

- operate a gravure press ensuring production flow that maintains product quality standards and minimises downtime from production problems
- shut down and clean a gravure press according to work health and safety (WHS) guidelines
- monitor production output and make necessary adjustments to maintain print quality on a gravure machine while producing a complex print on TWO occasions (if possible using different substrates and, if possible, including at least two in-line processes) according to job specifications, enterprise procedures.

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:

- describe what can cause reel to wander
- outline what can cause the web to break at the unwind unit
- explain the difference between a 'flying paster' and 'zero speed' type reel-stand
- outline the print fault that results from the reel being run out of centre
- list possible faults in the unwind section that can cause a web break
- identify WHS risks associated with rewinding and sheeting
- identify the safety feature in the delivery system for when the web jams up
- explain why the sheet cut-off might wander
- describe the effect of poorly adjusted nip rollers when rewinding and sheeting
- explain the effect of a build-up of ink on the impression cylinder on printed product
- list causes of ink foaming in the ink tray
- outline the effect of too much reducer in ink

- describe what action can reduce wear of the doctor blade
- explain why all solvents need to be removed from the final ink film
- describe link between driers and set off and marking
- explain the cause of substrate distortion
- describe the effect in the chillers, if the drying temperature was too low
- identify the effect of incorrect drying temperature on the finished product
- outline the effect of inadequate communication within the work team on a gravure printing machine
- list safety features within the organisation that aid in maintaining effective production
- describe ramifications if machine guards are removed and/or micro switches are disconnected on a machine
- identify who is legally responsible for the removal of machine guards and/or disconnection of micro switches
- demonstrate knowledge of the most accurate method of checking register during a production run
- explain why it is necessary to take immediate action when production problems are anticipated
- describe what to do to eliminate further processing of unacceptable printed product
- explain what happens to the substrate if relative humidity is increased in the press room
- list procedures to care for a newly delivered substrate to the press room
- demonstrate knowledge of how to correctly sort waste
- outline advantages of keeping reusable waste
- identify industry standards to enhance effective communication with clients
- list necessary procedures clients should follow to approve a printed product
- explain when to call service personnel to correct a machine problem
- outline enterprise procedures to report any machine operating problems
- describe consequences if correct shutdown procedures are not followed
- explain why it is necessary for correct shutdown procedures to be conducted with fellow workers
- list advantages of proper labelling and storage of excess inks and materials
- explain why printed product should be clearly labelled prior to removal from the press room
- outline any additional operations required for printed reels after they are removed from the printing machine
- describe how the printed job should be stored after it is removed from the printing machine
- explain how completed records are used in final analysis of the job
- describe benefits of comprehensive records when considering production of future jobs
- locate machine manuals, safety and other documentation relevant to this task and outline information included in these documents.

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 printing field of work and include access to special purpose tools, equipment and materials including a gravure printing machine.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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