



Australian Government

Assessment Requirements for ICPPRN414 Produce specialised flexographic 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:

- safely monitor production output and make necessary adjustments to maintain print quality on a flexographic 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 and work health and safety (WHS) guidelines.

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:

- identify causes of reel wander and the print fault that results from the reel being run out of centre
- identify causes of web breaking at the unwind unit, and possible faults in the unwind section that cause a web break
- outline the difference between a 'flying paster' and 'zero speed' type reel-stand
- outline WHS risks associated with rewinding and sheeting, and identify the safety feature in the delivery system for when the web jams up
- identify causes of sheet cut-off wander
- outline the effect of poorly adjusted nip rollers when rewinding and sheeting, and what happens if the plate lifts on the leading edge during a print run
- describe the effect on printed product of a build-up of ink on the impression cylinder, and the cause of ink foaming in the ink tray
- identify the effect of too much reducer in the ink
- name the action that reduces doctor blade wear
- describe why all solvents need to be removed from the final ink film
- identify link between driers and set off and marking and the causes of UV ink drying

- describe faults that cause substrate distortion
- outline the effect in the chillers if the drying temperature is too low, and the effect of incorrect drying temperature on the finished product
- describe the effect of eating or drinking near the machine when using UV inks
- describe the need to frequently examine in-line components of the job
- outline consistency checks for the punching unit
- describe the result of excessive pressure on the slitters
- outline safety features within the organisation that aid in maintaining effective production
- outline the legal responsibility for removal of machine guards and/or disconnection of micro switches
- describe the effect of inadequate communication within the work team on a flexographic printing machine
- describe ramifications if machine guards are removed and/or micro switches are disconnected on a machine
- outline other measurement, besides optimum solid ink density, to assess print quality
- describe the most accurate method of checking register during a production run
- outline the need to take immediate action when production problems are anticipated, and action taken to eliminate further processing of unacceptable printed product
- outline the result to the substrate if relative humidity is increased in the press room, and how to care for a newly delivered substrate to the press room
- describe the process for waste sorting and the advantage of keeping reusable waste
- list industry standards to enhance effective communication with clients, and procedures clients should follow to approve a printed product
- identify times when it is necessary to call service personnel to correct a machine problem
- outline enterprise procedures in place to report any machine operating problems, and what happens if correct shutdown procedures are not followed with fellow workers
- describe advantages of proper labelling and storage of excess inks and materials
- describe the process for clear labelling of printed product prior to removal from the press room
- outline operations required for printed reels after they are removed from the printing machine, and how to store printed jobs after they are removed from the printing machine
- outline use of completed records in the final analysis of the job, and benefits of comprehensive records when considering production of future jobs
- identify machine manuals, safety and other documentation relevant to this task, where are they kept and 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 reel-fed flexographic press.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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