



Australian Government

Assessment Requirements for ICPPRN321

Set up for basic gravure 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 1.0.

Performance Evidence

Evidence of the ability to:

- correctly demonstrate all safety devices on the machine
- set up a press on TWO occasions for basic gravure printing (if possible including at least one in-line process) according to manufacturer's specifications and enterprise procedures, conduct a proof run and adjust settings to ensure production speeds are attained.

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:

Job requirements

- describe what to do if vital information is missing from the job ticket
- explain materials required prior to set up

Cylinders

- identify correct cylinders for each job
- identify important considerations when handling gravure cylinders
- describe what parts of the unit to check to ensure cylinder is installed correctly

Reel in-feed on the machine

- list work health and safety (WHS) considerations of operating reel in-feed and delivery systems
- identify how the material printing side is selected
- describe the effect of low web tension on the print
- identify other types of web-splices that could be used for the job

Delivery system on the machine

- list risks linked with the rewind of the machine
- explain the effect of excessive web tension at the rewind of the machine

Selection and preparation of inks and additives

- explain environmental and WHS risks related to inks and additives
- describe how ink suitability is matched to a particular job
- describe what happens if the ink is too viscose
- explain how an ink that is slightly light can be modified to meet the needs of the job
- identify available methods to check for correct ink colour
- identify who passes the colour prior to running the job

Machine set-up

- identify necessary precautions when handling doctor blades
- explain how machine specifications are determined for each individual job
- list steps to ensure ink levels in the inking system are maintained at an appropriate level
- outline how to determine if the inking system has been adjusted appropriately

Basic in-line processes

- list steps to incorporate in-line process into the make ready
- explain how equipment used in in-line processing is protected against damage during set-up

Proofing and adjustment

- explain procedures to have the print approved
- describe quality control measurements to apply to the proof to test against known standards
- identify what to check on the initial print prior to running
- explain how to determine settings adjustments
- describe what process is used to plot success of the machine adjustment
- outline how final results are recorded for future reference

Information sources

- identify what machine manuals, safety and other documentation are relevant to this task and where they are kept.

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
- a gravure printing machine with in line units.

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>