



Australian Government

**Assessment Requirements for ICPSCP375
Automatically produce complex screen
prints**

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:

- produce TWO different complex prints of more than two colours, containing line and tone, using an automatic machine according to job, manufacturer, enterprise and health and safety requirements
- demonstrate use of computerised control, monitoring and data entry systems if available and appropriate.

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 any machine adjustments required prior to setting up
- describe machine and feeder maintenance required prior to printing
- describe machine and feeder adjustments required to allow for characteristics of the substrate, including the need to prepare substrate when loading the feeder
- outline the procedure to confirm the screen sequence of colour, ink, substrate and squeegee or flood coater prior to printing
- describe the system for setting the feed board and loading substrate and the adjustment of the stock feed system
- describe the method for ensuring the substrate is fed into the machine at the required production speed without damage, distortion or variation in position
- outline the criteria for selecting the right substrate for the job and the ink and substrate compatibility
- describe the characteristics of solvents and ink additives and compatibility to this ink system
- explain the process for the correct positioning, registering and screen locking, and outline correct positioning of the squeegee or flood coater

- describe factors that contribute to the adjustment requirements of the frame
- explain the shore hardness of the squeegee blade and the process of selection
- explain the relationship between ink deposit, squeegee speed and belt speed and temperature of the drying or curing unit
- explain the health and safety requirements when working with infra-red or UV curing units
- summarise routine maintenance to be undertaken on this drying or curing unit
- outline the ink drying or ink curing characteristics of different substrates
- explain the health and safety concerns when using an automatic machine
- describe the assessment of colour to ensure it conforms to job specifications and other important checks to be completed on the initial proof run before continuing
- describe the ongoing evaluation of print quality and substrate feeding during the run
- identify ideal printing speeds for different substrates
- describe the effect of humidity on the substrate
- outline the ongoing maintenance of the correct viscosity of ink during the run and methods to determine if print is dried or cured before handling
- describe the handling of the output to prevent offsetting of ink, blocking, sweating or rewetting of ink
- describe the effect that weather conditions could have on output capacity
- explain the importance of determining the exact output count and recording production details on the job sheet
- describe the health hazards associated with ink or solvents
- outline the correct procedure for removing the ink without damaging the screen
- outline the correct method of cleaning squeegees or flood coaters, machine and surrounding area and the maintenance that is required on the machine after printing is completed
- identify required manuals, safety and other documentation and briefly outline the relevant information in each source.

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 screen printing field of work and include access to cleaning chemicals and automatic printing machines.

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>