



Australian Government

Assessment Requirements for ICPSCP374 Operate a semi-automatic screen printing machine

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:

- complete TWO different jobs on a semi- automatic machine according to relevant job, manufacturer, enterprise and health and safety requirements.

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:

- outline the process for recording and reporting any substrate irregularities
- describe the process for checking ink compatibility and stencil compatibility
- discuss limitations when setting the substrate position and the precautions required when applying ink to the screen
- describe the products and materials that are used to keep the equipment clean
- describe health and safety concerns when producing a semi-automatic print
- outline the quality control devices that are used to check the print standards and variables or tolerances to note when checking the print against the proof
- describe the relationship between ink film thickness and ink density and acceptable maximum and minimum ink densities
- discuss the properties that determine belt speed and heat unit settings for curing
- identify the person responsible for final approval before commencing the production run
- outline the process for quality inspection during printing and the frequency of inspection
- discuss the importance of monitoring ink during the print run
- discuss the purpose of workplace documentation
- outline health and safety concerns in relationship to monitoring drying or curing systems
- describe the maintenance that should be carried out on this machine and the importance of reporting faulty equipment

- describe stacking, storing and handling processes and the importance of labelling and recording processes
- describe the health and safety practices that must be adhered to when reclaiming screens
- describe the importance of keeping equipment and surrounding areas clean, including the cleaning of screens and squeegees
- describe the correct procedures for disposing of liquid waste
- outline the processes for storing screens to minimise damage
- 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 semi-automatic screen printing machines.

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>