



Australian Government

**Assessment Requirements for ICPSCP373
Semi-automatically produce complex screen
prints**

Release: 1

Assessment Requirements for ICPSCP373 Semi-automatically produce complex screen prints

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 produce TWO complex prints of two or more colours containing line and tone using a semi-automatic machine according to 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:

- describe the criteria for selecting the correct substrate for the job
- discuss the selection of ink and solvents and substrate compatibility
- describe necessary machine adjustments prior to setting up and the maintenance required prior to the commencement of printing
- outline the procedure for checking the screen sequence of colours, ink, substrate and squeegee or flood coater prior to printing
- describe the function of the printing base and maintenance that is required
- summarise how to determine the lay edge and gripper or take-off edge of the substrate
- discuss the correct positioning, registering and process for locking the screen in position
- describe the selection of the squeegee or shore hardness and flood coater to be used
- explain the need to adjust the off contact or peel-off requirements of the screen
- outline the choice of belt speed and the impact of environmental conditions on the unit and the output capacity
- discuss health and safety concerns when using a semi-automatic machine, chemicals and infra-red or UV curing units
- outline the process for monitoring and rectifying ink viscosity during a production run
- describe the process of evaluation and maintenance of the print quality during the run

- discuss the ideal printing rate for this substrate on this machine
- describe the stacking and handling of production output
- discuss the importance of determining the exact print count and recording production details on the job sheet
- describe the health hazards associated with inks and solvents
- outline the correct method of cleaning squeegees or flood coater machine and surrounding area and removing ink without damaging the screen
- describe the maintenance that is required on the machine after printing
- 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 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>