



Australian Government

Assessment Requirements for ICPSCP3730 Semi-automatically produce complex screen prints

Release: 1

Assessment Requirements for ICPSCP3730 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 4.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- produce two complex prints of two or more colours containing line and tone using a semi-automatic.

In the course of the above the candidate must:

- operate production process in association with fellow workers and according to enterprise procedures and planned daily schedule
- follow work health and safety (WHS) requirements, manufacturer specifications and enterprise procedures
- anticipate production difficulties and take preventive action to prevent occurrence.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- enterprise procedures, WHS risks and requirements for:
 - operating a semi-automatic machine and infra-red or UV curing units
 - handling chemicals, inks and solvents
- selection criteria of the substrate for the job and of ink and solvents for substrate compatibility
- required machine adjustments prior to setting up and maintenance prior to the commencement of printing
- procedure for checking screen sequence of colours, ink, substrate and squeegee or flood coater prior to printing
- the function of the printing base and maintenance that is required
- method for determining lay edge and gripper or take-off edge of the substrate
- positioning, registering and process for locking the screen in position
- selection of squeegee or shore hardness and flood coater to be used

- need to adjust off contact or peel-off requirements of the screen
- choice of belt speed and the impact of environmental conditions on the unit and output capacity
- process for monitoring and rectifying ink viscosity during a production run
- process of evaluation and maintenance of print quality during the run and machine adjustment parameters
- ideal printing rates for substrates on the required machine
- stacking and handling of production output
- purpose of determining exact print count and recording production details on job sheet
- method of cleaning squeegees or flood coater machine and surrounding area and removing ink without damaging the screen
- signs of equipment fault and enterprise personnel to report to
- maintenance required on the machine after printing
- manufacturer manuals and work health and safety documentation, including their location and purpose.

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
- semi-automatic printing machines.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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