

Title	Reclaim screens using a pressure gun or automatic machine, and maintain cleaning equipment for screen printing		
Level	2	Credits	6

Purpose	People credited with this unit standard are able to: select and prepare screen reclaiming chemicals for use in pressure gun or automatic machine; wash screens using a pressure gun or automatic machine; store screens; and carry out routine maintenance of automatic cleaning machine or pressure guns.
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Classification	Printing > Printing - Screen
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Available grade	Achieved
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Prerequisites	Unit 340, <i>Demonstrate knowledge of safe working practices in the print industry</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
 - Hazardous Substances and New Organisms Act 1996;
 - Health and Safety at Work Act 2015;
 - Privacy Act 2020;
 - Resource Management Act 1991.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

- 2 Definition

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer’s requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the Print sector.

3 Assessment information

This unit standard can be achieved using a pressure gun or automatic cleaning machine.

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Outcomes and performance criteria

Outcome 1

Select and prepare screen reclaiming chemicals for use in a pressure gun or automatic machine.

Performance criteria

1.1 Identify inks, screens and stencils used in screen printing.

Range inks – water based, solvent based, polymerisation (ultra-violet [UV], epoxy);
screen frames – wooden, steel, aluminium, self stretching;
screen mesh – nylon, polyester, metal, carton fibre, combinations of these;
stencils – indirect, capillary, direct emulsion, cut (by hand or computer).

1.2 Assess screen for suitability to be reclaimed.

1.3 Select and prepare screen reclaiming chemicals.

1.4 Select and use required safety equipment.

Outcome 2

Wash screens using a pressure gun or automatic machine.

Performance criteria

2.1 Wash screens using a pressure gun or automatic machine in an area ventilated to extract chemical vapours.

2.2 Remove stains and hazes using selected chemicals.

2.3 Check screens for damage and rectify or report any defects.

Outcome 3

Store screens.

Performance criteria

- 3.1 Identify and label screens.
- 3.2 Store screens in a clean, dry environment.

Outcome 4

Carry out routine maintenance of automatic cleaning machine or pressure guns.

Performance criteria

- 4.1 Inspect automatic cleaning machine or pressure guns and carry out routine maintenance.
- 4.2 Adjust automatic cleaning machine or pressure guns to suit the requirements of the ink system, mesh, and frame size.
- 4.3 Lubricate, clean and adjust automatic cleaning machine or pressure guns, and report any faults.

Replacement Information	This unit standard replaced unit standard 5129 and unit standard 5130.
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Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 March 2023	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.