

Process fabric on a stenter or a tenter

Level 3

Credits 12

Purpose This unit standard is for people working in the fabric finishing industry. People credited with this unit standard are able to: demonstrate knowledge of stentering or tentering; prepare a stenter or tenter and process fabric; and carry out cleaning and minor maintenance on a stenter or a tenter.

Subfield Textiles Manufacture

Domain Fabric Finishing

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Competenz

Accreditation and Moderation Action Plan (AMAP) reference 0030

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

- 1 Operational competency may be demonstrated on a stenter or a tenter depending on the type of equipment installed in the workplace.
- 2 Performance of the elements must comply with the Health and Safety in Employment Act 1992 and workplace procedures.
- 3 Workplace productivity and quality requirements must be met by the candidate during assessment against this unit standard.
- 4 Definitions
Workplace procedures refer to the verbal or documented procedures for performing activities including health and safety, operational, environmental and quality

management requirements. They refer to manuals, manufacturer's specification, codes of practice, or policy statements.

Product specification refers to the document which accompanies each manufacturing order. This specifies all of the parameters for production of the fabric. This may include the fibre specification, the shade, dye bath parameters, machinery to be used and finishing procedures.

Elements and performance criteria

Element 1

Demonstrate knowledge of stentering or tentering.

Performance criteria

1.1 Stentering or tentering is described in terms of the process and the reasons for carrying it out.

Range tenter – drying, heat setting, pre-setting, weft straightening, patterns aligned lengthwise, width setting;
stenter – as for tenter plus steaming, fixing and curing, width correction.

1.2 Stenter or tenter machine sections are identified and described in terms of their function and operation.

Range machine controls, fabric feed and control system, energy supply system.

1.3 Safety procedures for the use of a stenter or tenter are described according to workplace procedures.

Element 2

Prepare stenter or tenter and process fabric.

Performance criteria

2.1 Fabric is prepared and loaded to the machine according to workplace procedures.

Range fabric width, square weft.

2.2 Machine settings and operating conditions produce fabric to product specification.

Range feed rate, temperature, fabric tension, underfeed, overfeed, spray and/or chemical addition.

2.3 Fabric which has stood in the machine during a machine stoppage is handled according to workplace procedures.

2.4 Records are maintained according to workplace procedures.

Element 3

Carry out cleaning and minor maintenance on a stenter or a tenter.

Performance criteria

- 3.1 Fibre is removed from stenter or tenter to prevent contamination of following batches.
- 3.2 Air intakes, fans and filters are maintained and cleaned according to workplace and machine procedures.
- 3.3 Stenter or tenter area is cleaned according to workplace procedures.
- 3.4 Minor maintenance is carried out according to workplace procedures.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact [Competenz info@competenz.org.nz](mailto:Competenz_info@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.