

Sew a range of different fabrics using an industrial lockstitch sewing machine

Level 4

Credits 9

Purpose People credited with this unit standard are able to set up an industrial lockstitch sewing machine for sewing a range of different fabrics, and produce production work on a range of different fabrics.

Subfield Clothing Manufacture

Domain Apparel Cutting and Sewing

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 This unit standard is for experienced production machinists able to cope with a range of fabrics at a production level of performance and to approved quality standard.

2 Definitions

Workplace performance criteria refer to the expected standard and speed of performance as set by the quality control management in the candidate's workplace. These criteria are determined by the construction of the garment, the fabric being used and the quality standards that apply in the candidate's workplace. These expectations must be explained and made available to the candidate prior to assessment.

The term *lockstitch* is sometimes known as plainsew or single needle and refers to the traditional or standard type of stitch produced by a domestic or industrial sewing machine.

Workplace procedures refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.

Product, style or garment specifications are all terms for the same document.

The terminology varies between workplaces but they all refer to the documentation that accompanies each manufacturing order. This documentation sets out the material to be used for the garment, the size range for manufacturing, the product assembly sequence, product finishing procedures and the component specifications.

- 3 The skills required take into account the likelihood of an experienced machinist being able to move between different industries where fabrics are generally so diverse as to preclude acceptance of skills obtained in other production unit standards.
- 4 Range
 - Thick – denim, leather, 9 gauge knitted.
 - Thin – lycra, nylon, lace, gauze.
 - Stretch – nylon, lycra, single jersey.
 - Curly – single jersey.
 - Slippery – lycra, nylon.
 - Open – net, lace.
 - Matching – stripes, checks.
 - Stable – leather, denim.
- 5 Performance of the elements must comply with the Health and Safety in Employment Act 1992.

Elements and performance criteria

Element 1

Set up an industrial lockstitch sewing machine for sewing a range of different fabrics.

Range any four fabric characteristics.

Performance criteria

- 1.1 Thread selection is compatible with the materials to be sewn.
 - Range decorative, strength, twist, composition.
- 1.2 Top and bottom stitches are compatible with product specifications.
- 1.3 Needle size and feed dogs selected are compatible with materials to be sewn.
- 1.4 Machine foot is selected to fit operation and fabric requirements.
- 1.5 Quality of stitch is tested and checked in accordance with workplace procedures.
- 1.6 Stitch density meets product specifications.

Element 2

Produce production work on a range of different fabrics.

Range any four fabric characteristics.

Performance criteria

- 2.1 Work is completed to specified workplace performance criteria.
- 2.2 Work practice is in accordance with workplace procedures.
- 2.3 Documentation is completed in accordance with 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 if you wish to suggest changes to the content of this unit standard.