

Change pattern selection and control systems to a prepared programme on an industrial knitting machine

Level 3

Credits 14

Purpose This unit standard is for mechanics of all types of industrial knitting machines.

People credited with this unit standard are able to change pattern selection and control systems to a prepared programme on an industrial knitting machine.

Subfield Industrial Machine Knitting

Domain Knitting Machine Servicing and Maintenance

Status Registered

Status date 19 March 2010

Date version published 19 March 2010

Planned review date 31 December 2015

Entry information Open.

Replacement information This unit standard, unit standard 26164, unit standard 26165, unit standard 26166, and unit standard 26168 replaced unit standard 4496.

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 applies to all sectors of the knitting industry.
- 2 This unit standard relates to the alteration of a single category of knitting machines.
- 3 A single category of machine is, for example, a half-hose machine, or circular piecegoods machine, or full-fashioned machine.

- 4 Competence must be demonstrated in the single category of machine the person is actively engaged on at the time of assessment.
- 5 All changes to machine settings must be carried out in accordance with workplace procedures, and as directed by a supervisor.
- 6 Performance of the elements must comply with the requirements of the Health and Safety in Employment Act 1992.
- 7 Technical aspects that are required to be covered in demonstrating competence in this unit standard may include any or all of the following, depending on the machines used in the workplace:
 - a application of occupational safety and health procedures, including the use of first aid equipment and safe lifting practices;
 - b the use of engineering tools in the correct and fitting manner;
 - c preparation to specifications or instructions of machine control systems, as appropriate, such as:
 - i control chains;
 - ii control drum(s);
 - iii striping chains;
 - iv pasteboard cards;
 - v punched cards, or tapes;
 - vi perforated tapes;
 - vii computer aided design and manufacturing systems;
 - d preparation to specifications or instructions of machine pattern-control systems which may include, as appropriate:
 - i pattern chains;
 - ii pegged drums;
 - iii breakable-bit pattern jacks or strips;
 - iv pattern wheels, pattern discs, disc stacks, selector combs;
 - v steel cards;
 - vi computer aided design and manufacturing systems.
- 8 This unit standard relates to preparing and changing machine-control systems but covers two factors:
 - a physically setting-up mechanical, electro-mechanical systems or computer systems on the workbench from already prepared programmes of instructions or specifications; and
 - b loading the systems up onto the machine; this part can include inputting electronic programmes.
- 9 Definitions

Technical specifications refer to material such as set-out diagrams or product specifications from either manufacturers or the workplace. This material may be in hard copy or supplied in electronic form.

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, manufacturers' specifications, codes of practice, or policy statements.

Elements and performance criteria

Element 1

Change pattern selection and control systems to a prepared programme on an industrial knitting machine.

Performance criteria

- 1.1 New pattern selection system is prepared to meet the technical specifications.
- 1.2 The new pattern selection system is installed in the machine according to workplace procedures.
- 1.3 The control system is set up or altered to meet the technical specifications, and set onto the machine according to workplace procedures.
- 1.4 The style is trialled and checked for conformity with technical specifications.
- 1.5 Alterations and adjustments are made where necessary to meet technical specifications 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](mailto:Competenz_info@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.