



Unit Standard 16122 V3

Operate industrial knitting machines

Level 3, 10 Credits, Entry: Open

Trainee:

Assessor:

Unit Requirements

To be credited with this unit standard you must be able to;

- operate knitting machines according to company procedures;
- repair knitting faults in accordance with company procedures;
- repair yarn-related faults at the knitting head and fabric press-offs; in accordance with company procedures;
- operate process machines ancillary to the knitting machines; according to company procedures;
- identify and sort wastes;
- and demonstrate knowledge of yarn-related faults in knitted fabrics

Special note:

This unit standard applies to all sectors of the knitting industry.

This unit standard relates to the operation of a single category of knitting machines, such as flat bed machines, or pantyhose machines, or circular piecegoods machines, or tricot machines, and so on, and to any ancillary machines associated with the production from that category of machines.

This unit standard relates to the operation of one or more machines that constitutes an operator-load, as determined by trade and/or company practice.

This unit standard applies to the predominant category of machines the person is operating at the time of assessment.

All operating procedures are carried out in accordance with company standards. Company standards may include:

- company safety rules;
- company instructions;
- industry standards.


Work practices must comply with the requirements of the Health and Safety in Employment Act 1992, and its subsequent amendments.

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:

- application of occupational safety and health procedures, including the use of first aid equipment and safe lifting practices;
- yarn-jointing, either by hand to company standards, or by hand-held knotting or splicing devices;
- stopping and starting knitting machines;
- production examination for faults, and defects;
- correct yarn-paths for the machines being operated;
- use of specific lubricants;
- fault-correction, including fixing small and large press-offs by the methods appropriate to the category of machine;
- processing of documentation;

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<p>Special note: (Cont)</p>	<p>Recognition of yarns in use by labelled descriptions and identifiers, which may include:</p> <ul style="list-style-type: none"> yarn count, denier or linear density description; batch number or merge number; fibre content; colour description; direction of twist in single-end false-twist yarns; identification of yarns by colour-coding on yarn-winding packages; on machines with a separate system for controlling the garment style, the ability to reset the control system for restarts. <p>The separation and sorting of wastes relates to the yarn and fabric wastes made during the normal course of an operating day such as the ends of yarn resulting from yarn-jointing, yarns pulled off badly-wound packages to allow them to run smoothly, yarn stripped off the ends of packages or beams to clear them, and so on, and fabric wastes are short pieces such as those made in trimming up the roll ends of piecegoods or after pattern or style changes, or after setting new warps in, and so on.</p> <p>Recognition and knowledge of faults may be assisted by compiling files of faults and giving descriptions to them under suitable headings. An example of one such method and procedure is as follows:</p> <ul style="list-style-type: none"> fault – a short description of the fault; appearance – a sample of the fault in the fabric for recognition purposes; cause – of the faults; effect – the change the fault has on the property or usability of the fabric; responsibility – for the correction of the fault by operator or mechanic; action – to be taken to correct the fault, by the operator or through the company fault-reporting procedures; prevention – measures to be taken to prevent or minimise recurrence of the fault.
<p>Notes to Trainee</p>	<p>This assessment document is not a training programme. The training programme for the skills and knowledge required for this unit will be provided by your employer as part of your on-job training, or by programs from training providers. This document is a guide for you, your trainer, and your assessor for the assessment once you have learned and practised the skills involved.</p> <p>The time you will need to spend on training and practice to reach the standard which demonstrates that you are competent in this area will of course depend on other tasks that you may also have which are not part of this unit standard.</p> <div style="display: flex; align-items: center;">  <div style="display: flex; justify-content: space-between; width: 100%;"> (Trainee can answer verbally or in writing.) (Trainee to write or assessor to record) </div> </div>

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Assessment

Assessment for many of the tasks will be to workroom standards and workplace procedures. You will need to discuss what these standards are with your trainer and/or assessor during your training period so that you are aware of what is required. Where these standards and work instructions are written down, you should collect copies so that you have something to refer to. Your assessor will also refer to these when you are being assessed.

In some cases for workplace skills, your Assessor may use someone with specialised knowledge of the process or machine to confirm your skills. This person is called a **Verifier**.

Some assessments require evidence that you demonstrate competence on an ongoing basis. Your assessor may also use a Verifier to confirm that this is the case.

You do not need to be assessed for all of the Unit Standard at one time. Assessment can take place as you develop the knowledge and skills. Your assessor will keep a record of progress, and once you have been assessed as competent for all the tasks, you will have completed this unit standard.

If any parts of the standard are not met, further evidence of your competence in that task/s will be sought. This is indicated on the **Assessment Evidence Guide** by the abbreviation **FER (Further Evidence Required)**.

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Assessor must discuss with Trainee prior to assessment


Before the assessment	<p>If there are any parts of the assessment that you are not clear about, you must ask the assessor before you start the Assessment. You need to agree to the amount and type of evidence to be collected.</p> <p>You must tell the assessor if you have any special needs e.g. hearing or seeing difficulties before doing the assessment tasks. The assessor/verifier will take these special needs into consideration during the assessment.</p>
During the Assessment	<p>The assessment process will consist of questions to assess your knowledge, and observation of you carrying out specific tasks. You would normally answer questions verbally and your assessor will note answers. In some cases you may be able to demonstrate knowledge as a written project. In this case simple diagrams could be used. You should discuss the best way with your assessor.</p> <p>The workplace is often a noisy environment. Your assessor will try and find a quiet place to ask questions so that you are able answer easily. However, in some cases you may feel better able to answer questions at a machine or worksite. You should discuss this with your assessor before the assessment.</p>
After the Assessment	<p>The assessor will tell you if you are 'competent' or 'not yet competent'. Not yet competent means that you have not done the tasks, or part of the tasks to the standard that is needed, and you will have to give the assessor more information. If you need to give the assessor more information then you will be clearly told of what it is that you need to do.</p> <p>You have a right to appeal your assessor's decision if you are not happy with the assessor's decision. Your assessor will explain the appeal process.</p> <p>At the end of the assessment you will be asked to sign the assessment to show that you were happy with how the assessment went. Do not sign this section if you do not agree that the assessment was fair.</p> <p>You and your assessor must each sign and keep a copy of the Candidate Check List and the Assessment Record. These are at the back of this Assessment Document.</p> <p>Results of the assessment will be kept by your assessor, passed to your Employer, and sent to the Apparel and Textile ITO who will register competency on the New Zealand Qualifications Framework</p>
Special Needs Identified (enter any special needs here)	
	<p>Assessment Process above has been discussed and Trainee understands the process.</p> <p>Trainee _____ (sign)</p> <p>Assessor _____ (sign)</p>

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Element 1. Operate knitting machines according to company procedures**Note to Trainee and Assessor:**

Some of your performance will be assessed against Company Procedures and Practice. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Procedures are not available.

		Observed 	Competent(C)/ Further Evidence Required (FER) & Sign/Date
p c 1.1	Machines are operated in accordance with company rules and procedures		
p c 1.2	Yarns are run through correct yarn-paths at operating tensions according to machine-builder's instructions and/or company practice		
p c 1.3	Yarns are creeled and ends joined according to company practice		
p c 1.4	Production is monitored for faults, and variations notified according to company faults-reporting procedure		
p c 1.5	Machines are monitored for continuous functioning of all systems, and variations notified according to company machine-fault reporting procedures		
p c 1.6	Production is removed from machines in accordance with company procedures		
p c 1.7	Documentation of production is completed in accordance with company procedures		
p c 1.8	Machines are lubricated as directed according to company practice		
p c 1.9	Yarn paths, eyelets, knitting heads, machines, and working environment are clean and free of contamination		

Assessor Notes:


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Element 2. Repair yarn-related faults at the knitting head and fabric press-offs in accordance with company procedures

Note to Trainee and Assessor:

Some of your performance will be assessed against Company Procedures and Practice. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Procedures are not available.

		Observed 	C /FER & Sign/Date
p c 2.1	Incorrectly-positioned yarns are rethreaded according to company practice		
p c 2.2	Broken yarns or new ends are joined according to company practice		
2.3	Fabric press-offs are fixed in accordance with machine-type and company practice		
2.4	Machines are reset for restart in accordance with company procedures		
	after fault-correction		
	after style changes		
	after pattern changes		


Assessor Notes:

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Element 3. Operate process machines ancillary to the knitting production machines according to company procedures**Note to Trainee and Assessor:**

Some of your performance will be assessed against Company Procedures and Occupational Health and Safety Guidelines. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these are not available.

		Observed 	C /FER & Sign/Date
p c 3.1	Ancillary process machines are operated in accordance with machine-builder's instructions and company procedures		
p c 3.2	Safety precautions comply with company practice and occupational safety and health guidelines		
p c 3.3	The working environment is clean and free of contamination		

Assessor Notes:**Element 4. Identify and sort wastes****Note to Trainee and Assessor:**

Some of your performance will be assessed against Company Procedures. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these are not available.

		Observed 	C /FER & Sign/Date
p c 4.1	Yarn wastes are identified by fibre-content and sorted according to company procedures		
p c 4.2	Fabric wastes are identified and sorted according to company procedures		

Assessor Notes:


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Element 5. Demonstrate knowledge of yarn-related faults in knitted fabrics

Note to Trainee:

You need to demonstrate competence with yarn faults found in your workplace and finding yarn faults on the knitting machine. You should collect samples of faults you have identified and rectified.

		Observed 	C /FER & Sign/Date
<p>p c 5.1</p>	<p>Yarn-related faults in knitted fabric are described, shown by sample, and their correction and the effects of the faults on the knitted production are explained.</p> <p>Faults should include one of :</p> <ul style="list-style-type: none"> incorrect batch or merge incorrect yarn count incorrect direction of twist 		
	<p>two examples of personally-experienced and collected yarn-related faults prepared</p>		

Assessor Notes:

Assessment Decisions: Competent / Not Competent (circle one)

Assessor : _____ **Date:** _____

Action Plan for Further Evidence (if required)

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CANDIDATE'S CHECKLIST (candidate to retain).

PRE-ASSESSMENT. (When I meet the assessor:)

		Tick
1	I agree to the unit standards/elements to be used for the assessment.	
2	The purpose and process of the assessment is explained to me.	
3	I agree to the amount and type of evidence to be collected.	
4	I agree to the date, time and location for the assessment.	
5	What happens to the assessment result and the appeals system is explained to me	
6	The assessor agrees to keep my Supervisor/Line Manager informed.	
7	The following resources will be available for the assessment::	

Candidate Signature: _____

Assessor Signature: _____

AFTER ASSESSMENT

1	The assessment was carried out as programmed above.	
2	I was informed of the assessment result.	
3	I was given sufficient feedback after the assessment.	
4	I signed the assessment record.	
5	If assessed competent the assessor signed the assessment record for forwarding to the ITO with my fee/s.	
*	If assessed not yet competent the elements to be reassessed were recorded in the Assessor's Register.	

Candidate Signature: _____

Assessor Signature: _____

Assessor to fill in details below when candidates is assessed competent:

Candidate's name:

Competent in unit standard number: 16122 V3

Assessors signature : _____ Date: _____

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ASSESSMENT RECORD SHEET

Trainee Details (Trainee to complete)

Name _____ Date of birth: _____

Home address: _____

Employer: _____

Signed: _____ Date: _____

Assessor Details (Assessor to fill out)

As an ATITO workplace assessor I verify that I have assessed the person above as competent in the unit standard(s) listed below.

Signed: _____ Date: ____/____/____

WA Number:

Full Name: _____

It is recommended that Workplace Assessors contact the ATITO before embarking on assessment to ensure that they have the latest information.

Unit Id	Unit Standard Title	Level	Credit	Signed (Assessor)
16122 V3	Operate industrial knitting machines	3	10	

TOTAL CREDITS

Payment for credit fees enclosed (\$1.55 per credit):

YES NO – ATITO will invoice employer - please attach company order number if necessary.

Assessor: Ensure this form is completed in full. Make 2 extra copies. Give one to the trainee, keep one for your files, and send the original to: **Apparel & Textile ITO, PO Box 13-210, Christchurch**