



Unit Standard 16123 V3

Trainee:

**Carry out remedial adjustments and quality checks on industrial knitting machines**

Assessor:


Level 3, 10 Credits,

Prerequisite: Unit 16122, *Operate industrial knitting machines*, or demonstrate equivalent knowledge and skills.

<p><b>Unit Requirements</b></p>	<p>To be credited with this unit standard you must be able to;</p> <ul style="list-style-type: none"> <li>➤ repair faults in the knitting head in accordance with company procedures;</li> <li>➤ monitor production for conformity to company quality specifications;</li> <li>➤ demonstrate knowledge of yarn-related faults in knitted fabrics;</li> <li>➤ and demonstrate knowledge of machine-related faults in knitted fabrics</li> </ul>
<p><b>Special note:</b></p>	<p>This unit standard applies to all sectors of the knitting industry.</p> <p>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.</p> <p>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.</p> <p>This unit standard applies to the predominant category of machines the person is operating at the time of assessment.</p> <p>All operating procedures are carried out in accordance with company standards. Company standards may include:</p> <ul style="list-style-type: none"> <li>company safety rules;</li> <li>company instructions;</li> <li>industry standards.</li> </ul> <p>Work practices must comply with the requirements of the Health and Safety in Employment Act 1992, and its subsequent amendments.</p> <p>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:</p> <ul style="list-style-type: none"> <li>application of occupational safety and health procedures, including first aid equipment and safe lifting practices;</li> <li>production examination for faults, defects, and the maintenance of knitting quality;</li> <li>recognition of all needles and elements used in each machine being operated by distinctions such as:             <ul style="list-style-type: none"> <li>needle and element identification numbers;</li> <li>gauge;</li> <li>butt lengths or heights;</li> <li>butt positions on the needle and/or element stems;</li> <li>latch length;</li> <li>hook or beard size.</li> </ul> </li> </ul>

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<p><b>Special note:</b> (cont.)</p>	<p>Competence in fault identification should be shown in:</p> <ul style="list-style-type: none"> <li>a minimum of two yarn-related faults (different from the two yarn-related faults used in the assessment of Unit 16122, <i>Operate industrial knitting machines</i>);</li> <li>a minimum of six machine-related faults.</li> </ul> <p>Fabric faults should be described fully under a range of headings covering all aspects of the fault and its correction, of which the following is an example:</p> <ul style="list-style-type: none"> <li>fault – its technical name, or similar short description;</li> <li>appearance – of the fault in the fabric for recognition purposes;</li> <li>cause – of the fault;</li> <li>effect – the change the fault has on the property or usability of the fabric;</li> <li>responsibility – for the correction of the fault by operator or mechanic;</li> <li>action – to be taken to correct the fault, by the operator or through the company fault-reporting procedures;</li> <li>prevention – measures to be taken to prevent or minimise recurrence of the fault.</li> </ul> <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 is given above.</p>
<p><b>Notes to Trainee</b></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;">  <p>(Trainee can answer verbally or in writing.)      (Trainee to write or assessor to record)</p> </div>
<p><b>Assessment</b></p>	<p>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.</p> <p>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 <b>Verifier</b>.</p> <p>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.</p> <p>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.</p> <p>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 <b>Assessment Evidence Guide</b> by the abbreviation <b>FER (Further Evidence Required)</b>.</p>

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<b>Assessor must discuss with Trainee prior to assessment</b>	
<b>Before the assessment</b>	<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>
<b>During the Assessment</b>	<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>
<b>After the Assessment</b>	<p>The assessor will tell you if you are '<b>competent</b>' or '<b>not yet competent</b>'. <b>Not yet competent</b> 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 <b>appeal</b> 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 <b>keep a copy</b> 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>
<b>Special Needs Identified</b> (enter any special needs here)	
	<p><b>Assessment Process above has been discussed and Trainee understands the process.</b></p> <p>Trainee _____ (sign)</p> <p>Assessor _____ (sign)</p>


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### Element 1. Repair faults in the knitting head 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 	Competent(C) Further Evidence Required (FER) & Sign/Date
p c 1.1	Broken or damaged needles and elements are removed from the knitting head and replaced in accordance with machine-builder's instructions and company practice		
p c 1.2	Machine faults are corrected as instructed in accordance with company procedures		
	above the knitting head		
	at the knitting head		
	below the knitting head		
p c 1.3	Machines are, as necessary, reset to start in accordance with company procedures, restarted, monitored and further corrections made as required for correct knitting performance		

**Assessor Notes:**

### Element 2. Monitor production for conformity to company quality specifications

**Note to Trainee and Assessor:**

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

		Observed 	C /FER & Sign/Date
p c 2.1	Fabric quality is measured in accordance with company procedures and checked for conformity with quality specifications		
p c 2.2	Production not conforming to quality specifications is reported in accordance with company faults-reporting procedures		

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### Element 2. Monitor production for conformity to company quality specifications (cont)

Assessor Notes:

### Element 3. 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.

		<b>Observed</b> 	<b>C /FER</b> <b>&amp; Sign/Date</b>
<b>pc 3.1</b>	<p><b>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.</b></p> <p><b>Faults should include one of :</b></p> <ul style="list-style-type: none"> <li>incorrect batch or merge</li> <li>incorrect yarn count</li> <li>incorrect direction of twist</li> </ul>		
	two examples of personally-experienced and collected yarn-related faults prepared		

Assessor Notes:


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### Element 4. Demonstrate knowledge of machine-related faults in knitted fabrics

**Note to Trainee:**

You need to demonstrate competence with faults arising from mechanical damage, defects, wear, or operator error on knitting machines in the workplace. You should collect samples of faults you have identified and rectified.

		<b>Observed</b> 	<b>C /FER &amp; Sign/Date</b>
<p><b>p c 4.1</b></p>	<p>Machine-related faults in knitted fabric are described in terms of those arising out of mechanical damage, defects, wear, and/or operator error, shown by sample, and their correction and the effects of the faults on the knitted production are explained</p> <p>Faults would normally include :</p> <ul style="list-style-type: none"> <li>incorrect quality</li> <li>barriness (alternatively known as barré or repeat-feeder striping or slurgalling)</li> <li>tuck and/or miss-knit stitches as faults</li> <li>dropped stitches, burst walewise stitches</li> <li>wale lines</li> <li>ladders and/or dropped stitches</li> <li>other faults according to frequent work-related experience.</li> </ul>		
	<p>six examples of personally-experienced and collected machine-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: 16123 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: \_\_\_\_/\_\_\_\_/\_\_\_\_

Full Name: \_\_\_\_\_

WA Number:

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)
16123 V3	Carry out remedial adjustments and quality checks on industrial knitting machines	3	10	
<b>TOTAL CREDITS</b>				

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**