




<p>Unit Standard 2857 V5</p> <p>Maintain pneumatic and electronic sewing machinery</p> <p>Level 4, 18 Credits, Entry: Open</p>	<p>Trainee: _____</p> <p>Assessor: _____</p>
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Unit Requirements	<p>To be credited with this unit standard you must be able to;</p> <ul style="list-style-type: none"> ➤ adjust electronic sewing machine motor controls; ➤ test and replace air and magnetically activated solenoids; ➤ adjust synchronisers; ➤ service trimming and cutting attachments; ➤ and replace faulty circuit boards.
Special note:	<p>This unit standard is for those following a career in sewing machine engineering. Underpinning knowledge and skills in pneumatics, and electrical wiring experience are recommended.</p> <p>Performance of the elements conform to the Health and Safety in Employment Act 1992.</p>
Notes to Trainee	<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; margin-top: 10px;">  <div style="display: flex; gap: 20px;"> (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. Adjust electronic sewing machine motor controls

Note to Trainee and Assessor:

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

		Observed 	Observed (Assessor's signature) 
p c 1.1	Motor types are identified and described in relation to operation and use		
	clutch		
	servo		
p c 1.2	Fixed cycles are programmed to company requirements.		
p c 1.3	Speed controls are adjusted to company requirements		
p c 1.4	Needle position is set to product requirements		
p c 1.5	Controls are adjusted to achieve progressive acceleration		
p c 1.6	Brake adjustments meet company and product requirements		
p c 1.7	Trimming signal meets company and product requirements		

Assessor Notes:

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Element 2. Test and replace air and magnetically activated solenoids

Note to Trainee and Assessor:

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


		Observed 	C /FER & Sign/Date
p c 2.1	Machine is tested for faulty solenoid		
p c 2.2	Faulty solenoids are replaced to manufacturer's specifications and tested for correct operation		

Assessor Notes:

Element 3. Adjust synchronisers

Note to Trainee and Assessor:

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

		Observed 	C /FER & Sign/Date
p c 3.1	Synchronisers are set for needle position		
	needle up		
	needle down		
p c 3.2	Plugs are replaced to manufacturer's specifications		

Assessor Notes:

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Element 4. Service trimming and cutting attachments

p c 4.1 Trimming and cutting attachments are described in relation to operation and use

Attachments	Operation Described	Use Described	C /FER & Sign/Date
pneumatic			
electronic			
impact			
underbed			
scissors			

Note to Trainee and Assessor:

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

		Observed 	C /FER & Sign/Date
p c 4.2	Underbed trimmers are timed and set to manufacturer's specifications		
p c 4.3	Scissors and impact trimmers are set to company requirements		
p c 4.4	Underbed trimmer knives are examined and replaced according to manufacturer's specifications		

Assessor Notes:

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
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Element 5. Service trimming and cutting attachments

Note to Trainee and Assessor:

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

		Observed 	C /FER & Sign/Date
p c 5.1	Faulty circuit boards are identified and replaced to manufacturer's specifications		

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: 2857 V5

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)
2857 V5	Maintain pneumatic and electronic sewing machinery	4	18	

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**