



Lesson 3.11: Bundle Sew

THE TASK: Create a bundle of work using the fastest possible method whilst meeting quality standards. This exercise is about preparing an effective

workstation layout and method, that will help you to work smoothly and quickly.

LEARNING OUTCOME: By completing this task you will:

- Gain effective work organisation skills
- Learn how to improve workstation layouts
- Learn how a well organised workstation can improve performance

PREPARATION: To prepare to complete this task you must:

- Cut 20+ rectangles of fabric approximately 8cm x 21cm. We recommend you work with the kind of fabric that is used in production; this will ensure the correct fabric handling skills are learnt
- Have a timer to hand i.e., stopwatch or phone
- Thread machine with contrast thread, ensuring a full spool is inserted
- Ensure second thread is filling a spare spool/bobbin Set machine stitch to the correct length (2 or 3)
- Check tensions to ensure a well-balanced stitch
- Set auto cut off or have snips to hand
- Ensure the right type of needle is inserted and it is undamaged

QUALITY STANDARD: To meet the quality standard you must ensure

- The stitch is even and well balanced
- 10/12 per inch/ 2.5 cm (2 / 3 setting depending on the machine)
- All stitching lines must be straight and a foot's width from the fabric edge
- All seams must be back tacked, back tack must be aligned and 3 to 5 stitches long
- Three errors are acceptable across the whole exercise i.e., wonky stitch line, unaligned stitching, poor stitch tension etc





Practise as much as needed until you achieve the best method, and fastest time whilst still meeting the quality standard.

WORK SAFELY: To complete this task you must follow the safety rules below:

- ensure a finger guard is fitted on the machine
- long hair is tied back
- flat, closed shoes are worn
- no scarfs or long obstructive jewellery is worn
- the chair is set at the right height and positioned correctly, and all tools are to hand
- turn the machine off when not sewing




Carry out the exercise: This exercise has two parts; Bundle A is a method that can be improved. Bundle B is the improved method.


BUNDLE SEW A

		
<p>1. Take approx. 20 cut stripes and place them to the on the right of your machine in messy bundle.</p> <p>Set your timer.</p>	<p>2. Take two of the cut strips, align them and position them at the needlepoint, aligning the edge of the pressor foot to the edge of the cloth.</p>	<p>3. Start with a back tack of three to five stitches. Sew in one burst to the end of the strip, keeping the edge of the fabric aligned to the edge of the foot and guiding the fabric lightly, do not pull or push the fabric, let the feed dogs pull it through with your guidance.</p>
		
<p>4. Place the finished strip out of your way, to the far left</p>	<p>5. Note the time taken and assess your work against the quality standards, aiming for no more than three errors.</p>	

<p>Repeat this until five strips are sewn.</p> <p>Turn off timer on completion of the last strip.</p>	
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BUNDLE SEW B

		
<p>1. Take 10 cut stripes, align them, and form a criss crossed pile. placing two strips at a time together.</p> <p>Place the Criss crossed pile on your knee.</p> <p>Start your timer.</p>	<p>2. Pick up strip one and two from your knee.</p> <p>Present the first strip to needle point, aligning the edge of the presser foot to the edge of the cloth.</p>	<p>3. Start with a back pack of three to five stitches.</p> <p>Sew in one burst to the end of the strip, keeping the edge of the fabric aligned to the edge of the foot and guiding the fabric lightly, do not pull or push the fabric, let the feed dogs pull it through with your guidance.</p>

	
<p>4. Place the sewn strip out of your way the to the far left.</p> <p>Repeat this process until five strips are completed.</p> <p>Turn off timer on completion of the last strip.</p>	<p>5. Assess your work against the quality standards. No more than three error allowed.</p> <p>6. Review the timings for both exercises, note the difference between the two methods.</p>
<p>Review: You will note that the Bundle B method is quicker. This is because the strips have been organised and positioned closer to the needle point, and they are already aligned so there is less movement and preparation before sewing. These are just simple changes but can make the production process much quicker.</p> <p>Refer to your timings and think about how much Bundle B costs to produce in comparison to Bundle A? If a machinist was paid £1.00 per minute to complete this job how much are the costs for Bundle A and B.</p> <p>There are other things you can do to ensure you have everything you need to complete your work in minimal time and without interruptions, such as:</p> <ul style="list-style-type: none"> • Ensuring all the cut pieces required are included in the bundle • Ensuring the cut pieces are not damaged • Ensuring any additional items are to hand (i.e., labels, trimmings) • Filling a spare spool as you sew 	

To see the bundle sew processes watch the video below:



Unit 3.11 Bundle Sew A and B

<https://vimeo.com/580220277/ebf5aa16b2>

Do not proceed onto the next task until you have completed this exercise by meeting the quality standard within the targeted time and completed the Skills Challenge below:

Skills Challenge 3.13

1. What can you do to help speed up a sewing method?
 - Ensure your workstation is organised and cut work, all tools and a place for finished work are close to hand
 - Keep all cut work in a basket on the floor by the machine
 - Take each finished piece of work to the next machinist

2. Fill in the blanks within the statement below:

A well o_____, workstation will make difference, make sure c_____, tools are positioned c_____ to hand and a place for finished work is also close. The aim is to try and eliminate as much m_____ as possible.

3. What other three things can you do to ensure you have everything you need to complete a bundle of work without interruption?

- Check that all the cut pieces required are included and correct
- Check your machine for faults
- Check the needle is inserted correctly
- Check that any additional items are to hand (i.e., labels, trimmings)
- Check break and lunch times
- Check that you are filling a spare spool as you sew