

# CURRICULUM

## Thermal Bonded Nonwoven Machine Operator

### (TC TT 04)

<b>SECTOR:</b>	<b>TEXTILE</b>
<b>SUB-SECTOR:</b>	<b>Technical Textile</b>
<b>OCCUPATION:</b>	<b>Machine Operator</b>
<b>REFERENCE ID:</b>	<b>TEXTILES COMMITTEE (RSA)/ TC TT 04</b>
<b>NSQF level:</b>	<b>3</b>

### **CURRICULUM / SYLLABUS**

This program is aimed at training candidates for the job of a “Thermal Bonded Nonwoven Machine Operator”, in the “textile” sector/industry and aims at building the following key competencies amongst the learner.

<b>Programme name</b>	Thermal Bonded Nonwoven Machine Operator
<b>Qualification Pack Name &amp; Reference ID.</b>	Thermal Bonded Nonwoven Machine Operator TEXTILES COMMITTEE (RSA)/ TC TT 04
<b>Version No.: 1.0</b>	Version Update Date: 29/07/2019
<b>Pre-requisites to Training:</b>	Able to read and write Minimum age 18 years
<b>Training Outcome:</b>	After completing this programme, participants will be able to: <ul style="list-style-type: none"><li>• Taking charge of shift and handing over shift to Thermal Bonded Nonwoven Machine Operator</li><li>• Identify the Machine parts</li><li>• Know the process flow of the material</li><li>• Operate Thermal Bonded Nonwoven Machine efficiently</li><li>• Maintain the machine and material</li><li>• To work in a team with good attitude</li><li>• Maintain health, safety and security at workplace.</li></ul>

This course encompasses 5 Compulsory National Occupational Standards (NOS) of “Thermal Bonded Nonwoven Machine Operator”.

Sl. No.	Modules (NOS) of “Thermal Bonded Nonwoven Machine Operator”	Key Learning Outcome	Equipments Required
1	Taking charge of shift and handing over shift to Thermal Bonded Nonwoven Machine Operator  Theory Duration (hh:mm) <b>09:00</b> Practical Duration (hh:mm) <b>21:00</b>  Corresponding NOS Code - <b>TEXTILES COMMITTEE RSA /N 0401</b>	<ul style="list-style-type: none"> <li>• Understand the role of Thermal Bonded Nonwoven Machine Operator</li> <li>• Knowledge of the activities performed while taking charge of shift and handling over shift</li> <li>• Knowledge about the ongoing material on machine</li> <li>• Understand the requirements of material and auxiliaries to operate the machine without stoppage</li> </ul>	Class room requirements: a batch of 25 people seating capacity with a screen and projector
2	Identification of Machine parts and Understanding Process flow  Theory Duration (hh:mm) <b>24:00</b> Practical Duration (hh:mm) <b>56:00</b>  Corresponding NOS Code - <b>TEXTILES COMMITTEE RSA /N 0402</b>	<ul style="list-style-type: none"> <li>• Knowledge of the raw material used on the machine</li> <li>• Knowledge of machine parts and its functions</li> <li>• Knowledge of the process flow of the material on the machine</li> <li>• Understand the requirement of the final product produced on the machine</li> <li>• Identify the defects in the raw material and final product</li> </ul>	1. common for every batch: poster/video visuals for work method 2. Class room requirements: a batch of 25 people seating capacity with a screen and projector
3	Operating of Thermal Bonded Nonwoven Making Machine  Theory Duration (hh:mm)	<ul style="list-style-type: none"> <li>• Knowledge of the control switches to start and stop the machine</li> <li>• Understand all stages of the production</li> </ul>	1. common for every batch: poster/video visuals for work method

	<p><b>36:00</b> Practical Duration (hh:mm) <b>84:00</b></p> <p>Corresponding NOS Code - <b>TEXTILES COMMITTEE RSA /N 0403</b></p>	<ul style="list-style-type: none"> <li>• Knowledge to operate the machine</li> <li>• Identify the defects and rectify them</li> </ul>	<p>2. Class room requirements: a batch of 25 people seating capacity with a screen and projector</p>
4	<p>Maintaining the Thermal Bonded Nonwoven Making Machine</p> <p>Theory Duration (hh:mm) <b>12:00</b></p> <p>Practical Duration (hh:mm) <b>28:00</b></p> <p>Corresponding NOS Code - <b>TEXTILES COMMITTEE RSA /N 0404</b></p>	<ul style="list-style-type: none"> <li>• Understand proper working of all machine parts</li> <li>• Understand the importance of cleanliness of machine</li> <li>• Knowledge of the process parameters of the machine</li> <li>• Responsibility towards quality of product</li> <li>• Understand the requirement of each stages of machine</li> </ul>	<p>1. Common for every batch: poster /video visuals for work method</p> <p>2. Class room requirements: A batch of 25 people seating capacity with a screen and projector</p>
5	<p>Soft skill to improve behaviour, hygiene, attitude, etc. and Safety precautions</p> <p>Theory Duration (hh:mm) <b>09:00</b></p> <p>Practical Duration (hh:mm) <b>21:00</b></p> <p>Corresponding NOS Code - <b>TEXTILES COMMITTEE RSA /N 0405</b></p>	<ul style="list-style-type: none"> <li>• Understanding the work for which he/she is trained</li> <li>• Understand the team work and its importance</li> <li>• Knowledge of the safety rule while working on machine near moving parts</li> <li>• knowledge about the general safety Rules</li> <li>• importance of the communication and attitude while working</li> <li>• Knowledge about the importance of personal protective equipment like apron, cap, earplugs, nose mask etc. and their application under different working conditions.</li> <li>• Taking care of personal hygiene</li> </ul>	<p>1. A sample of following items for each trainee: apron, head cap, nose mask, shoes</p> <p>2. Common for every batch: first aid materials, fire extinguisher, work method posters/pictures,</p> <p>3. Class room requirements: 25 people seating capacity with a screen and projector</p>

		<ul style="list-style-type: none"> <li>• Knowledge on various health hazards relevant to workplace and basic first aid training.</li> <li>• Identify and select right equipment such as fire extinguisher &amp; based on type of fire.</li> <li>• Become good practice on first aid, fire fighting etc.</li> </ul>	
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NOS	No. of Hours	
	Theory	Practical
1. Taking charge of shift and handing over shift to Thermal Bonded Nonwoven machine operator	9	21
2. Identification of Machine parts and Understanding Process flow	24	56
3. Operating of Thermal Bonded Nonwoven Making Machine	36	84
4. Maintaining the Thermal Bonded Nonwoven Making Machine	12	28
5. Soft Skills to improve behaviour, hygiene, attitude, etc. and Safety precautions	9	21
Sub-Total	90 (30%)	210 (70%)
<b>TOTAL</b>	<b>300</b>	

Grand Total Course Duration: 300 Hours, 0 Minutes