

SKSTEX37 - SQA Unit Code H9EF 04

Manufacture of needle punched Nonwoven materials



Overview

This standard is for those who are responsible for the manufacture of needle punched Nonwoven materials.

The job role may involve:

1. Preparing for processing
2. Manufacturing products to specification
3. Following approved work methods
4. Meeting quality and quantity requirements

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Performance criteria

- You must be able to:*
- P1 receive instructions / specifications / samples for testing and interpret them accurately
 - P2 keeping the work area clean and safe
 - P3 organise work area to meet production requirements
 - P4 ensure equipment and machinery is in good working order and ready for use within your own areas of responsibility
 - P5 ensure materials match the docket / ticket
 - P6 select the correct fibre / composition
 - P7 ensure the fibres to be used are protected from dirt and damage
 - P8 ensure given materials are carded to right specification
 - P9 use correct needles for fibres
 - P10 use the correct single or double needle bed for resultant material
 - P11 set machine correctly to meet required fabric specification
 - P12 ensure the correct speed of material delivery of material to feed components
 - P13 use the approved working methods for the manufacturing process safely
 - P14 process materials to the required quality and quantity
 - P15 check production against specification
 - P16 check weight of produced fabric
 - P17 identify problems with materials, equipment and machinery and take relevant action
 - P18 handle products with care in accordance with agreed procedures
 - P19 receive, use and provide relevant information at appropriate times during the production cycle, e.g.; production efficiency, fibre/needle breakages
 - P20 regulate the process of adding additional additives for bonding or performance processes
 - P21 keep downtime and wastage to a minimum
 - P22 report any problems in production promptly to the right person
 - P23 label the manufactured product clearly
 - P24 forward the labelled manufactured product according to instructions
 - P25 confirming that the finished product is correct to specification
 - P26 record fabric details for future reference following agreed procedures
 - P27 complete and store accurate records and documentation
 - P28 identify and isolate imperfect fabric following agreed procedures
 - P29 identify and isolate broken needles following agreed procedures
 - P30 removal of fabric in a correct manner to ensure seamless loading onto machine
 - P31 forward finished fabric to be stored in the agreed location following approved procedures
 - P32 use cleaning equipment and materials safely
 - P33 ensure dust filters are maintained

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P34 observe static electricity levels and humidity levels

P35 complete takeover operations/ shift change according to agreed procedures

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Knowledge and understanding

You need to know and understand:

- K1 the importance of keeping the work area and equipment clean and free from waste, and cross contamination of yarn fibres
- K2 how to receive work instructions and specifications and interpret them accurately
- K3 how to make use of the information detailed in specifications and instructions
- K4 the importance of keeping the work area and equipment clean and free from waste, and cross contamination of yarn fibres
- K5 the ability to remove the fly from machine and carding machine to prevent cross contamination and clogging
- K6 the types of cleaning equipment and materials used and routine cleaning procedures and their importance
- K7 the types of daily upkeep of machinery and equipment within the limits of own responsibility
- K8 ability to ensure machine parameters can meet given production specification
- K9 how the supply of materials is maintained and how they are checked against specification
- K10 the information provided by work instructions and specifications
- K11 an understanding of the production process
- K12 what checks are done on equipment and machinery
- K13 the types of problems which occur with materials and equipment and the action to take
- K14 understand implications of the use of wrong needles and breakages in end fabric
- K15 ability to produce and understand technical records and identify potential problems
- K16 understanding limits of own responsibility for taking action and report procedures
- K17 understand causes of lost production and material wastage
- K18 ensuring quality is achieved and its relation to the end user/customer is understood
- K19 the types of records kept and exchanged at start up or changeover
- K20 procedures for recording, storing and retrieving data
- K21 reporting procedures and report writing techniques
- K22 the importance of achieving quality and its relation to the end user / customer
- K23 safe working practices and organisational procedures
- K24 limits of your own responsibility
- K25 ways of resolving with problems within the work area
- K26 the production process and how your specific work activities relate to the

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whole process

- K27 the importance of effective communication with colleagues
- K28 the lines of communication, authority and reporting procedures
- K29 the organisation's rules, codes and guidelines (including timekeeping)
- K30 the companies quality standards
- K31 the types of records kept, how are they completed and the importance of keeping them accurate
- K32 the importance of complying with written instructions
- K33 equipment operating procedures / manufacturers' instructions
- K34 statutory responsibilities under health, safety and environmental legislation and regulations

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Developed by	Creative Skillset
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Originating organisation	Creative Skillset
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Relevant occupations	Manufacturing technologies; Crafts, creative arts and design; Design Associate Professionals; Textile and Garment Trades
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Suite	Manufacturing Textile Products
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