

Control the efficiency of the weaving process

Overview

This standard is about controlling the efficiency of weaving processes by maintaining required productivity levels and quality standards.

This includes setting and tuning looms, monitoring and controlling machinery and equipment and overseeing the manufacture of textiles to specification.

This standard is for those who control weaving processes.

Performance criteria

You must be able to:

1. check that materials, machinery and equipment meet specifications during changes in shift
2. share instructions with appropriate people at changeover points during production
3. organise and carry out tasks to minimise downtime and maintain the flow of materials and production
4. take appropriate action in line with organisational procedures when materials or equipment fail to match specification
5. carry out daily maintenance and follow repair schedules to maintain production targets
6. ensure required machinery parts are available to meet repair schedules
7. keep work area clean and free from waste and obstructions at all times during production
8. operate compressed air machinery in line with regulatory requirements when required
9. monitor machinery and equipment during processing to ensure optimum efficiency
10. set looms to specified settings for weaving
11. maintain productivity and quality levels to meet specification
12. plan for changeover of loom and new beams in line with organisational procedures
13. check that processed products meet and record sample pieces at appropriate times
14. work in ways that minimise waste at all times
15. report essential information to appropriate people
16. complete records and documentation and store them in designated locations

Knowledge and understanding

You need to know and understand:

1. how to receive, interpret and follow work instructions, making use of the information supplied
2. how to plan and prepare work and repair activities to maintain continuity of operations
3. characteristics of materials to be processed and how to handle them
4. the capabilities of equipment to be used, and actions to be taken when it does not conform to specification
5. how to prepare repair schedules and ensure any spare parts required have been ordered through the appropriate procedure
6. how to liaise with management to ensure seamless production and changeover operations and planning
7. the importance of maintaining a clean and safe work area
8. the effects of wastage on operations and sustainability
9. how to maintain the flow of production
10. the importance of achieving quality and its relation to the end user or customer
11. the procedures for using compressed air
12. how to set settings on looms including warp tension and pick rate
13. how to resolve problems within the work area, and within limits of personal responsibility
14. how your specific work activities relate to the whole process and limits of own responsibility
15. the importance of effective communication with colleagues, lines of communication, authority and reporting procedures
16. the organisation's rules, codes and guidelines including timekeeping and personal hygiene
17. the organisation's quality standards
18. own organisation's ethical and sustainability policies
19. the types of records kept, how they are completed and the importance of accuracy
20. the importance of complying with instructions, equipment operating procedures, safe working practices and manufacturers' instructions
21. statutory responsibilities under health, safety and environmental legislation and regulations

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