

Set up and control varnishing machinery

Overview

This standard is for print finishers using overprinting varnishing machinery. This standard applies to the application of spot or overall varnish that will be dried by infrared drying or ultraviolet curing. They will be expected to set up the equipment and control it whilst running production jobs.

This standard consists of two elements

- Set up varnishing machinery
- Run varnishing machinery and monitor quality

This is what the standard covers:

- identifying the job requirements
- checking that the varnishing machinery is working properly
- checking that safety devices are working properly
- running the varnishing machinery safely
- adjusting settings, where necessary to maintain the required standard
- checking that work meets the required standard
- identifying faults and taking action to deal with them
- unloading and stacking the finished product

Performance criteria

You must be able to:

****Set up varnishing machinery**

1. check that you have all the job details you need
2. check that you have enough varnish of the right type for the job
3. report to appropriate people straight away when varnish provided is not correct or sufficient
4. check that screens and stencils are fitted in line with job requirements
5. check that images are positioned in line with job requirements
6. check that materials are loaded as per manufacturer's instructions
7. check that all safety devices are in place and working as they should be
8. produce a sample from the machine and check that:
 - 8.1 varnish is applied in the right position
 - 8.2 varnish is the right thickness
 - 8.3 varnish is even across the printed area
 - 8.4 the printed image remains clean and sharp through the varnish
9. make any necessary adjustments to enable the work to meet the required standard
10. report to appropriate people straight away, when standards cannot be met
11. check that your work area is safe and ready for production

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Run varnishing machinery and monitor quality

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12. monitor and run varnishing machinery so that it is safe and efficient and at the required speed with minimum downtime
13. keep up sufficient supplies of materials so that runs continue as long as necessary
14. load and unload materials in line with organisational and manufacturer's requirements
15. check at regular intervals that materials meet the specification, and varnished output is forwarded to the next stage in accordance with production requirements

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16. check at regular intervals that the varnish quality meets the required quality standards for strength, evenness, register, position and size
17. follow the correct procedures for the removal of waste
18. record required production and quality assurance details, checking information is accurate

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Knowledge and understanding

You need to know and understand: