

SFHOPTM11

Set up precision optical manufacturing machinery



Overview

This standard is about setting up and calibrating precision optical manufacturing machinery, for producing spectacle lenses or contact lenses (lathe-cut and moulded). It covers carrying out first line maintenance and quality assurance checks. Users of this standard will need to ensure that practice reflects up to date information and policies.

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Performance criteria

You must be able to:

- P1 confirm the work instructions
- P2 confirm that the equipment to be used is in safe working order
- P3 achieve calibration standards, by using specified working methods
- P4 identify and resolve any process and machinery problems, within your level of competence and responsibility
- P5 report any process and machinery problems beyond your level of competence and responsibility, to the relevant person
- P6 identify any incorrectly processed optical components, and take the relevant corrective action to achieve the work instructions
- P7 fill with consumables to the required levels
- P8 complete records accurately
- P9 carry out your work safely
- P10 maintain the requirements of relevant quality standards
- P11 maintain the required standards of cleanliness

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Knowledge and understanding

You need to know and understand:

- K1 the calibration specifications
- K2 where to find, and how to use, the Standard Operating Procedure
- K3 how to interpret work instructions
- K4 your level of responsibility and competence
- K5 to whom to refer for advice and clarification, and to whom to report problems
- K6 how to check that equipment is in safe working order
- K7 how to calibrate and operate the equipment safely
- K8 the purpose and schedule of quality checks to be carried out
- K9 the course of action you should take in the event of an emergency
- K10 the functions of the different processing machines, and how these interact in the production process
- K11 the running conditions required for the process operation
- K12 the different types of optical materials required, their properties and handling characteristics
- K13 the design specification of the ophthalmic appliances required (i.e. spheric, toric and multi-focal)
- K14 the documentation to be completed
- K15 your responsibilities under the Health and Safety at Work Act, and the implications of non-compliance
- K16 the requirements of the relevant quality standards
- K17 the required standards of cleanliness, and how to maintain them

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Additional Information

External links

This standard links with the following dimension within the NHS Knowledge and Skills Framework (October 2004):

Dimension: EF1 Systems, vehicles and equipment

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