

Manufacturer's Recommendation for Routine Operation

Video tutorial

See also "Manufacturer's Recommendation for Routine Operation".



Frequency	Check	Measures
Daily before operation	Making and checking a sample seal seam	Visual check: - The seal seam should be distinct and even and not contain any creases or defects. - The colour of the seal seam should be identical with that of the factory-produced seal seam. - The seal seam may not be too light or brown (too light: sealing temperature and/or contact pressure (sealing force) too low; brown: sealing temperature too high or sealing duration too long). Mechanical check: - Tear-resistance check: the strength required to open the seal seam must be exactly equal to that required to open the works-side seam, i.e. industrial seam, see Performing the peel test ► page 2]. - When peeled off, the paper should free itself from the film, leaving almost no residue.
Following every sterilization	Batch-related seal seam check	- Check the entire packaging for dryness and integrity. - Approval after sterilization, documentation within the scope of process approval. - Check for dryness and integrity once again, before using the instruments.
Daily	Seal seam check	Visual check using MELAcontrol Seal Check and documentation of the results (e.g. with the MELAconnect App) - for criteria and further information, see the MELAcontrol Seal Check instructions for use.
Weekly	Seal seam check in accordance with EN ISO 11607 and ASTM F1929 functional	Check the seal seams for leaks with an ink test (e.g. MELAcontrol Ink Test).
Annually	Check the seal seam for tear-resistance in accordance with EN 868-5, Appendix D	See MELAG seal seam stability test ► page 2]
MELAseal 200 After 50,000 cycles or 4 years MELAseal Pro After 50,000 cycles or 2 years	Maintenance	Have maintenance carried out according to the associated maintenance instructions, including replacement of wear parts.
Upon malfunction messages or obviously faulty seals	Remedying the malfunction	Do not operate a defective sealing device. Inform an authorised customer services.

Performing the peel test

1. Seal a sterilization package in the sealing device.
2. Process the sealed sterilization package in a sterilization cycle.
3. Working by hand, pull the seal seam apart slowly along the direction of peeling. Perform a visual check to verify whether the sealing seam extends consistently along the whole width and length of the sterilization package just sterilized. No paper residue greater than 10 mm is permitted on the seal seam.
4. Document the results.

MELAG seal seam stability test

For validating your sealing processes MELAG provides a seal seam stability test. After the film test strips have been tested successfully, MELAG will issue a certificate. This certificate confirms conformity of the seal seam with the standard EN 868-5, Appendix D. Use the MELAG seal seam stability test application form. The application form can be downloaded from the MELAG website (Service/Download Center).