

General information

- The instruments are always delivered in a non-sterile condition and must be processed using suitable methods before use. Failure to follow the reprocessing instructions below can result in the transfer of pathogens.
- These reprocessing instructions generally apply to all medical devices labelled with the (MD) symbol from the product range of BUSCH & CO. GmbH & Co. KG.
- Always follow local legal and hygiene regulations regarding the reprocessing of medical devices.
- Disposable products, which are identified by the symbol (⊗), may be processed only once before they are used for the first time and may not be reused.
- Keep the packaging – also during the active use phase of the instrument – in order to ensure that the instrument can be traced if necessary.
- Check instruments for corrosion, cutting edge/diamond coating condition and shape damage before each use. Damaged or worn products must be disposed of.
- For the best results when processing instruments, instrument stands (e.g., STERI-SAFE_{WAVE} or STERI-SAFE_{pro}) can be used.
- The following reprocessing steps were successfully validated by an external laboratory accredited according to DIN EN ISO/IEC 17025.

Pre-cleaning on site after use

Note:

- In order to prevent residue from drying on the instruments, they should be cleaned within an hour after use.
 - Grinding caps and cap mandrels must be separated every time before cleaning, disinfection and sterilization.
 - In order to prevent the detached grinding caps from falling out of the STERI-SAFE_{pro}, place the caps on a retaining pin (MC300RS).
- Pre-cleaning:**
- 1) Wear personal protective equipment (mouth, nose and eye protection and suitable gloves). Remove all coarse soiling (e.g., blood, tissue, and composites) from the instruments with cellulose swabs after use.
 - 2) Then place the instruments in a suitable container (hygiene box Podo-Lock & STERI-SAFE_{pro} or in a bur disinfection box) with a suitable cleaning agent (e.g., Alpro Medical AlproZyme 0.5 % solution for max. 60 minutes). Always follow the instructions of the cleaning agent and disinfectant manufacturer.

Automated cleaning and disinfection

Notes:

- Observe any material incompatibilities (e.g. do not insert instruments that are not made of stainless steel).
 - Only use cleaning and disinfection devices that comply with DIN EN ISO 15883-1.
 - Only use a validated cleaning agent with a CE mark (e.g., Dr. Weigert neodisher MediClean advanced).
 - Remove any coarse soiling before automated cleaning (see pre-cleaning).
- Processing:**
- 1) Before cleaning, rinse the instruments under clean, running water for at least 1 minute.
 - 2) For optimum cleaning and to prevent damage to the instruments, place them in a suitable instrument stand.
 - 3) Place the instruments in the cleaning and disinfection device (CDD) so that all surfaces can be properly rinsed, cleaned, and disinfected.
 - 4) Select and start a cleaning and disinfection program with an A₀ of ≥ 3,000 or at least 5 minutes at 90°C.
 - 5) Once the cleaning and disinfection cycle is finished, remove the instruments, check whether they are dry, and, if necessary, dry with medical-grade compressed air.

Alternative cleaning: Manual procedure

Notes:

- Machine processes are preferable, especially for their superior potential for standardisation and reproducibility.
 - Do not heat the ultrasonic bath above 45 °C in order to prevent protein fixation.
 - Use only cleaning agents that are approved for cleaning rotating instruments.
 - If an instrument stand is not used during ultrasonic cleaning, instruments may come into contact with each other, thereby causing damage to the blades and surfaces.
- Cleaning:**
- 1) Rinse the instrument under clean, running water for at least 1 minute. Use a soft plastic brush to remove any coarse soiling.
 - 2) Instruments made up of several parts (e.g. grinding caps and mandrels) must be disassembled.
 - 3) Place the instruments in a suitable instrument stand.
 - 4) Clean the instruments according to the instructions provided by the cleaning agent manufacturer in a cleaning solution in an ultrasonic bath. BUSCH recommends AlproZyme 0.5% (Alpro Medical GmbH) for 2 minutes.
 - 5) Once the ultrasonic cycle is finished, rinse the instruments under clean, running water for at least 1 minute.
 - 6) Dry the instruments with medical-grade compressed air.
 - 7) Check that the instrument is clean. If there is residual soiling, the cleaning process must be repeated.

Alternative disinfection: Manual procedure

Notes:

- Use only cleaning agents that are approved for disinfecting rotating instruments.
 - If an instrument stand is not used during ultrasonic cleaning, instruments may come into contact with each other, thereby causing damage to the blades and surfaces.
- Disinfection:**
- 1) Place the previously disassembled, cleaned and checked instruments in a suitable instrument stand.
 - 2) Disinfect the instruments according to the manufacturer's instructions in a disinfection solution in an ultrasonic bath. BUSCH recommends BIB forte eco 2% (Alpro Medical GmbH) for 5 minutes.
 - 3) Once the ultrasonic cycle is finished, rinse the instruments under clean, running water for at least 1 minute.
 - 4) Dry the instruments with medical-grade compressed air.