

Polisher

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**Example*

Application:

Intra-oral polishing dental restorations/filling materials, i.e. removing, smoothing, high gloss polishing of ceramics, metals, composites etc. and of enamel (prophylaxis). Incorrect use may cause injury to tissue, premature wear, damage to instruments and may harm users, patients or third parties.

Contra-indication:

None is known at the present.

Mode of application:

Please make sure that only dental turbines, contra-angles and straight hand pieces which are in correct technical and hygienic condition are being used.

- ▶ accurate running of turbine and contra-angle hand piece is required
- ▶ insert the tools as deeply as possible
- ▶ run the tools at the required speed before contacting the surfaces to be treated
- ▶ perform slightly circular, intermittent resp. dapping motions
- ▶ ensure sufficient water-cooling
- ▶ no additional polishing required
- ▶ never exceed the max. recommended speed
- ▶ the recommended speed may differ from tool to tool. Mind the rpms shown in our catalog and on the labels of the packaging
- ▶ best results are typically achieved at 5 000 – 10 000 rpm
- ▶ follow the instructions for use of the manufacturer of the micromotor/turbine
- ▶ do not cant or use instruments as a lever, this will lead to increased risk of breakage
- ▶ bent resp. unbalanced tools have to be discarded immediately
- ▶ center polishers to be mounted after adjustment onto the shanks to be mounted in order to enable vibration-free working polishers to be mounted have to be centered after adjustment onto the shanks to avoid vibrations. Only use high quality shanks. Low quality shanks may break and lead to injuries
- ▶ always use safety goggles
- ▶ in case of incorrect use or of a defect, polishers, shanks or the working piece may break and turn into dangerous flying objects
- ▶ protective glass may be used as an alternative
- ▶ we recommend using respiratory protection

Incorrect use leads to unsatisfactory results und leads to increased risks. The use of dental polishers may performed only by qualified staff.

Please note our additional general instructions for the use of rotary instruments (www.diaswiss.ch).

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Re-processing:**New and non-sterile tools have to re-processed before first use.**

The tools have to be disinfected in a proper manner prior to and after each use. This is achieved by immersing them into a disinfection bath (e.g. Fräsator) according to the resting time prescribed by the manufacturer of the cleaning agent. After the disinfection the tools have to be rinsed thoroughly under running water.

Manual Re-Processing:

- ▶ place tools into cold water for at least 5 min.
- ▶ subsequently rinse tools under running water
- ▶ remove rough contaminations (e. g. with a tooth brush)
- ▶ cleaning and chemical disinfection with suitable agents (e. g. Komet DC1* 2,0%) in an ultrasonic bath at 40°C. Please follow the manufacturer's instructions regarding compatibility of materials
- ▶ rinse tools under running water for at least 30 sec.
- ▶ dry tools for 1 min.
- ▶ visual check of cleanliness and physical integrity
- ▶ in case of residual contamination repeat cleaning and disinfection
- ▶ discard defective tools (fractured parts, corroded surfaces)
- ▶ thermal disinfection in steam sterilizer
- ▶ use sterilization bags (e. g. Wipak**) or without SBS
- ▶ use suitable racks, trays etc.
- ▶ 3 pre-vacuum pulses, 134°C, holding time 3 min., drying 1 min.
- ▶ do not process at temperatures over 180°C
- ▶ a written approval of the proper treatment procedure for reuse or for storage is required
- ▶ store tools dust-free, dry and protected against re-contamination.

Automatic Re-Processing:

- ▶ place tools into cold water for at least 5 min.
- ▶ subsequently rinse tools under running water
- ▶ remove rough contaminations (e.g. by tooth brush)
- ▶ place tools in a suitable rack or bur block
- ▶ place the rack or bur block with cover open into the washer/disinfector (RDG). The water jet must be directed at the tools
- ▶ add a suitable cleaning agent (e.g. neodisher® Medi-Clean***) according to the information on the product label and the instructions for use of the RDG.
- ▶ start the required program (e. g. 2 min. pre-treatment with cold water, 5 min. cleaning with tap water at 55°C and 0,5% rinsing solution neodisher® MediClean***, 3 min. neutralization by demineralized water, 2 min. rinsing with demineralized water, drain)
- ▶ after the program has finished remove tools from the RDG. Remove residual moisture if required (preferably by air pistol according to RKI-Guidelines (check areas hard to access!))
- ▶ dry tools for 1 min.
- ▶ visual check of cleanliness and physical integrity
- ▶ in case of residual contamination repeat cleaning and disinfection
- ▶ discard defective tools (fractured parts, corroded surfaces)
- ▶ thermal disinfection in steam sterilizer
- ▶ use sterilization bags (e. g. Wipak**) or without SBS
- ▶ use suitable racks, trays etc.

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- ▶ 3 pre-vacuum pulses, 134°C, holding time 3 min., drying 1 min.
- ▶ **in case of proven disinfection by RDG thermal disinfection in steam sterilizer is not required**
- ▶ temperatures over 180°C are not suitable for processing tools
- ▶ documented approval of the proper treatment procedure for reuse or for storage is required
- ▶ store tools dust-free, dry and protected against re-contamination

Re-Processing limit:

The life time of the polishers is determined by wear and tear, not by the number of re-processings.

Quality:

Polyurethane and silicone polishers with integrated polishing medium, SiC or Al₂O₃ or C (diamond).

Risks:

Allergic reactions are not known. Slight injuries are possible in case of contact with the gum.

Disposal:

Discard used polishers with general clinical waste.

* Product source: GEBR. BRASSELER GmbH & Co. KG, Trophagener Weg 25, D- 32657 Lemgo (www.kometdental.de)

** Product source: Wipak Walsrode GmbH & Co. KG, Bahnhofstraße 13, 29699 Bomlitz (www.wipak.de)

*** Product source: Chem. Fabrik Dr. Weigert GmbH & Co. KG, Mühlenhagen 85, 20539 Hamburg (www.drweigert.de). neodisher® is a registered trademark of Dr. Weigert GmbH & Co. KG.

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