



## Indications

- Veneer preparation
- Crown preparation
- Full ceramic reconstructions
- Reconstructions with zirconium oxide ceramic
- Optical impression and CAD/CAM
- From minimal-invasive to conventional preparation technique

Zentrum für Zahnmedizin ZSM Zurich,  
Switzerland



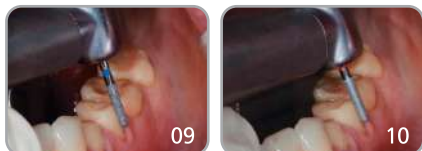
Classic veneer



Additional veneer (purely defect-oriented preparation)



Full crown preparation



Partial crown, overlay (tabletop) preparation



Adhesive bridge preparation



## Benefits

- Clearly defined and effective application of diamond instruments, thanks to the diagram printed on the tray chart with a recommended sequence of instruments and their grits
- Unique, innovative prep set for all types of modern reconstruction
- Secure identification and storage of instruments
- The tray can be sterilized by a validated method

## Clinical pictures

- 01 Before preparation, an ultra-fine retraction thread was placed in the sulcus to protect the gingival margin. Interdental preparation with separation instrument FG D3
- 02 Axial reduction with veneer preparation instrument FG D18GB, 0.5mm wide shoulder preparation
- 03 Interdental defect-oriented preparation with separation instrument FG D3
- 04 Axial reduction with veneer preparation instrument FG D18GB, tapered edge
- 05 Veneer detail
- 06 Shoulder preparation on tooth 21: placing of an ultra thin thread, interdental separation with separation instrument FG D3, 1mm wide circular internally rounded shoulder preparation with shoulder instrument FG 305L. The preparation set includes a narrow shoulder preparation instrument FG 307A for narrow tooth stumps and tight spaces
- 07 Palatal concavity with frontside rounded football instrument FG 250
- 08 Finishing of the shoulder and axial walls: the stump is smoothed with the newly developed - analogous to the dimensions of the preparation instrument - cylindrical finishing instrument FG 4307N (wide)
- 09 Defect-oriented overlay (tabletop) preparation on a patient with dentition damaged by erosion and abrasion, rough preparation with preparation instrument FG 8526, occlusal preparation with football instrument FG 250
- 10 Finishing with appropriate finishing instruments FG 4526 and FG 4250, posterior breaking of all sharp edges with abrasive discs clamped into the mandrel
- 11 Definition of a mesial and distal groove in the enamel in the desired direction of insertion, slightly palatal to the future contact point, with separation instrument FG D3
- 12 Expansion of groove in the enamel with conical veneer preparation instrument FG D18GB, thereby fulfilling currently valid requirements for full ceramic and CAD/CAM production (apically rounded, 6° conicity, clear groove definition)
- 13 Preparation of a cingulum support in the enamel with ball instrument FG 201