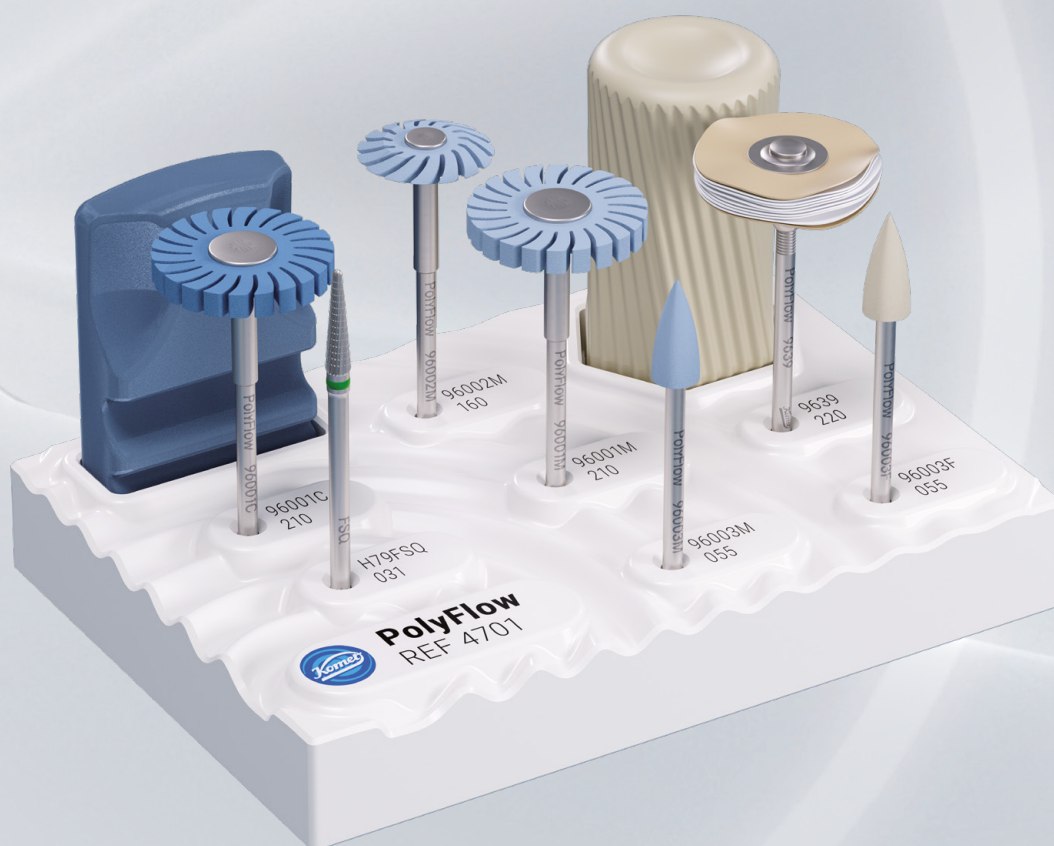




PolyFlow[®]

Polymer polishing system Step-By-Step

The structured workflow to a high gloss finish.



The Flow of Polishing

The complete repeatable workflow for modern polymer materials.

Whether you're working with PMMA, high impact polymers, modern composites or 3D printed resins, every restoration deserves a consistent, high quality finish. Modern digital workflows have made denture manufacturing more predictable than ever. PolyFlow brings that same level of consistency to the finishing process.

PolyFlow guides users through every step, from contouring and pre polishing to a high gloss finish. Each stage builds on the last, and every instrument is designed for a specific purpose.

The result is a repeatable workflow for splints, dentures, temporary restorations and other polymer based restorations.

The distinctive wave shaped instrument block visually reinforces the workflow and intuitively guides users from one step to the next.

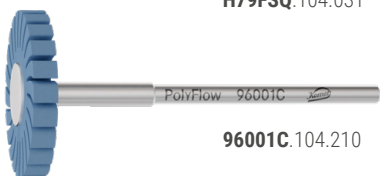
The Flow of Polishing.



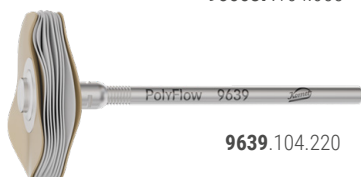
H79FSQ.104.031



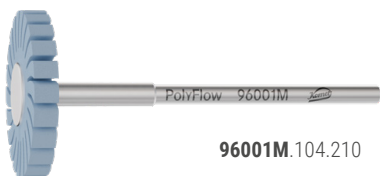
96003F.104.055



96001C.104.210



9639.104.220



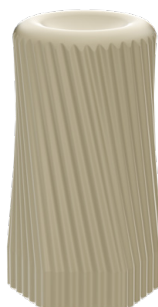
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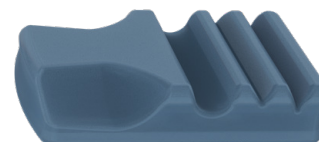
96002M.104.160



96003M.104.055



Diamond polishing paste - 9640.000



Dressing block

1

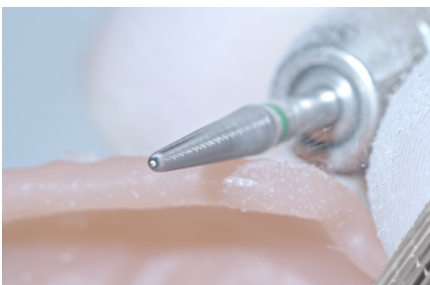
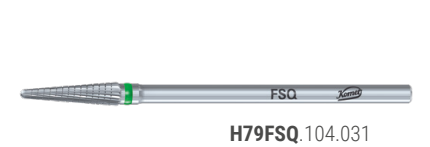
Preparation

Removal of supports from previously milled denture base.

Start with a digitally fabricated denture. After fabrication, retaining bars, supports and excess material is removed using a trimming carbide **H79FSQ**.104.031.

The carbide's finely toothed cross-cut geometry enables controlled material removal and reduces the risk of smearing associated with polymer materials.

Cleanly finished transitions create a strong foundation for the polishing steps that follow and help achieve a consistent finish.



- Recommendations of use Cutter:**
- use low pressure and work toward the body.
 - optimal speed: $\varnothing_{opt}$ 25.000 rpm



2

Pre-polishing

Coarse milling patterns are reduced.

The dark blue lamella wheel **96001C**.104.210 reduces milling, pressure and processing marks and prepares the surface for polishing.

The flexible lamella adapt to different contours and supports controlled finishing with minimal heat generation.



- Recommendations of use Polishers:**
- use low pressure
 - optimal speed $\varnothing_{opt}$ 6.000 rpm



3

Polishing

Refines the surface and reduces microstructures.

The light blue lamella wheel **96001M**.104.210 reduces fine processing marks and creates an even shine.

Anatomically shaped gingival structures are preserved as the finish is refined and prepared for high-gloss polishing



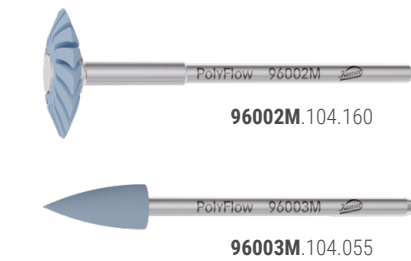
4

Work on details

Polishing of interdental spaces.

The lens-shaped polisher **96002M**.104.160 and the flame-shaped polisher **96003M**.104.055 are used for margins, mucobuccal folds, papillae and interdental spaces.

Both instruments allow precise finishing in hard-to-reach areas while helping preserve detailed anatomical features.



Dressing

The diamond dressing block makes it easy to reshape the polishers and restore their original shape.

Regular dressing helps maintain instrument performance and supports consistent results over time.

5

High-shine polishing

PolyFlow High Finishing.

Final high gloss polishing is performed with the PolyFlow polishing buff **9639**.104.220 and PolyFlow diamond polishing paste **9640**.000.

For details, the flame-shaped high-gloss polisher **96003F**.104.055 can be used to complete the workflow. Together, they create a uniform high-gloss finish while preserving anatomical detail.



Result

The finished denture base features cleanly finished transitions, an even high gloss finish and preserved anatomical detail.

Processing marks are minimized while function, aesthetics and ease of cleaning are supported over time.



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