

Digital Dentures: The Next Level



VITA VIONIC® BASE RESIN FLEX

Fabricate flexible partial dentures quickly and cost effectively using 3D printing for temporary use.





Digital dentures

VITA VIONIC® BASE RESIN FLEX

3D printing material for the production of flexible denture bases

Today, digital prosthetics offer more than just full dentures: VITA VIONIC BASE RESIN FLEX enables the fabrication of flexible partial dentures for temporary use – with precision, efficiency and comfort. Add a new level of ease to your daily lab work. Produce cost-effective restorations quickly and reliably. The digital fabrication process ensures efficient workflows and allows for reproducible manufacture of multiple partial dentures in a single printing run. This flexible material provides high levels of comfort and meets many patients' desire for metal-free restorations. The transparent shade variants allow the individual gum color to show through, contributing to a natural esthetic. An additional advantage is that the printed clasp-retained dentures can be repaired and expanded. Compared to traditional injection methods, they are also much easier to polish.

Benefit from perfectly matched materials with proven VITA quality, supported by reliable, single-source workflows and a wide range of validated printers and post-curing units.



[To the validation list](#)

Cost effective

Efficient, material-saving and cost-effective fabrication of flexible partial dentures for temporary use – with reproducible quality and noticeable time savings.

Convenient

Flexible, metal-free material with a natural esthetic and high comfort. The transparent shading allows the individual gum color to show through, while at the same time allowing the denture to be repaired and extended.

Simple

Reliable workflows, thanks to chemical adhesion between the base and teeth, good malleability and brilliant high-gloss polishing.



With VITA VIONIC BASE RESIN FLEX, I can design and fabricate partial dentures faster, more precisely and more economically. Patients will love the comfort and natural look – no metal brackets, no compromises. An innovation that benefits everyone."

Darius Northey
All Smiles Denture Clinic, Australia

Clever combination.

Economy Level

Workflow for efficient 3D printing

- 1) Printing denture bases and teeth
- 2) Washing
- 3) Checking the fit
- 4) Fixing with resin
- 5) Curing
- 6) Polishing

Your advantage: Solid, quality printed restorations produced efficiently and cost effectively.



Smart Level

Workflow for combination with milled teeth

- 1) Printing, washing and curing denture bases
- 2) Milling and cutting out teeth
- 3) Checking the fit
- 4) Preconditioning using primer
- 5) Fixing with resin
- 6) Curing
- 7) Polishing

Your advantage: Integrated shade gradient and easy polishing of teeth for improved esthetics.



Comparison of fabrication methods

Evaluation criterion	Digital design	Fit	Homogeneous material	Repairable & expandable	Fracture toughness / flexibility	Polishing results / high gloss	Production time	Shipping	Costs
Print with VITA VIONIC BASE RESIN FLEX	✓ Yes CAD/CAM-based	✓ Good	✓ Yes after shaking thoroughly	✓ Yes	●●○	●●○ Can be polished well	●●● Fastest process	●●● Dry and stable	€ Low
Milling	✓ Yes CAD/CAM-based	✓ Very good	✓ Yes	✗ No	●○○	●●● Can be polished very easily	●●○ Moderate	●●● Dry and stable	€€€ Up
Injection conventional	✗ No manual	✗ Limited	✗ No	✗ No	●●●	●○○ Can be polished well	●○○ Time consuming	●○○ In water	€€ Medium



Suitable solutions for processes.



1. CAD process

In the module for full dentures using VITA VIONIC DIGITAL VIGO denture teeth database or in the partial denture module



2. Finishing the denture base

VITA VIONIC BASE RESIN FLEX



3. Printing or milling denture teeth

VITA VIONIC DENT RESIN or
VITA VIONIC DENT DISC multiColor



4. Bonding

VITA VIONIC BASE RESIN FLEX



More
workflow
solutions
found here



5. Individualizing

VITA AKZENT LC, VITA VM LC flow



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VITA Zahnfabrik has been certified, and the following products bear the CE mark

CE 0124: VITA VIONIC® DENT DISC multiColor,
VITA AKZENT® LC und VITAVM®LC flow

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We are happy to help.



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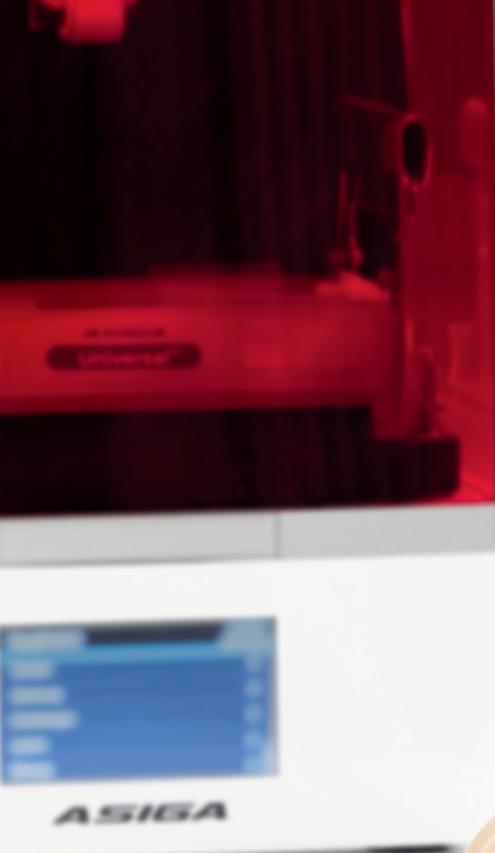
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