

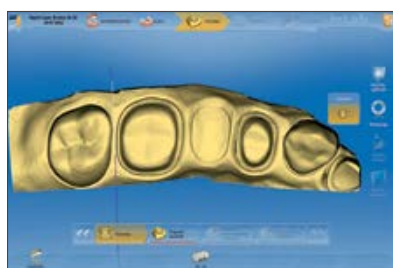
# VITA Rapid Layer Technology

## Quick Instruction Guide

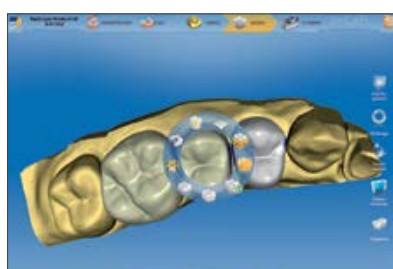
The VITA Rapid Layer Technology enables extremely efficient and simple fabrication of fully anatomical bridges and crowns by using a sophisticated combination of the innovative Sirona inLab 3D software (> V 3.80) and feldspar and oxide ceramics from VITA, which have proven their clinical reliability a million times over. The restorations are fabricated with the Sirona CEREC / inLab MX XL system.



- Create new job and define restoration
- For the framework structure: select VITA In-Ceram YZ
- For the veneer structure: select VITABLOCS TriLuxe forte or Mark II
- Observe minimum wall thicknesses of materials and connectors



- If required, trim the model and draw the preparation and base lines
- Adjust the insertion axis

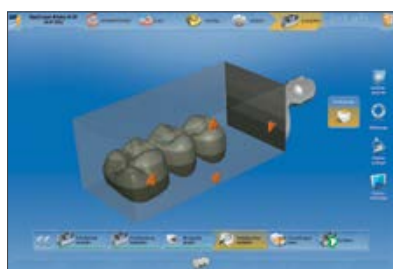


- If required, modify the design suggestion with design tools
- Please pay attention to minimum cross sections of connectors. If cross section is not sufficient, the connector is shown in red.

More information: (see Working Instructions, No. 1740).



- Following the calculation in the design stage, the framework and veneer structures are separated
- Go to the milling preview
- Determine the side of the lug
- Set the position of the framework ...



- ... or veneer structure in the block

VITA shade, VITA made.

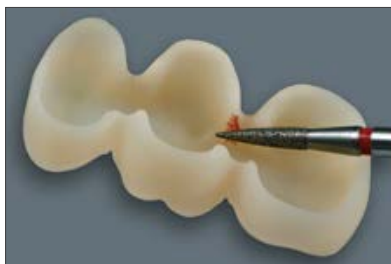
**VITA**

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- Give the milling command and mill framework and veneer structure
- Separate both structures at the lug and adjust
- Use YZ COLORING LIQUIDS for complete or partial coloring of the framework structure (Important: matched with the color of the veneer structure)
- Carry out sinter firing of the framework structure  
Important: polish the basal surfaces of the bridge units to high gloss or fire on the glaze material



- Use lipstick, control pastes or occlusion spray to ensure careful fitting
- Use highly flowable silicone to prepare a sample to check the fit
- Recontouring (with suitable fine-grit diamond abrasive tools)
- If required, characterize the shade (VITA AKZENT Plus available as powder, pastes or sprays)



- Clean the veneer structure carefully
- Etch with hydrofluoric acid gel
- IMPORTANT: safety regulations must be observed!  
Safety goggles, face mask and safety gloves must be worn.  
More information: see Working Instructions No. 1740
- Completely remove any remaining acid (ultrasonic bath)
- Apply silane to the etched surfaces



- Apply bonding composite into the veneer structure
- Insert the framework into the veneer structure
- Work with excess (to ensure bubble-free bonding)
- Use a disposable brush to remove large excesses
- Let bonding composite harden (observe manufacturer's instructions)
- Prepolishing / Final polishing



- Example of a completed VITA Rapid Layer Technology bridge restoration

**Note: After adhesive bonding, the restoration must not be fired again (e.g. glaze firing).**