

LITHOZ[®]

We are ceramic 3D printing.



3D-Printed Lithium Disilicate Veneers and Crowns

Your Efficient Way to Aesthetics

3D-printed lithium disilicate crowns and veneers

From incisors to molars: unmatched details.



- Up to 50 individual restorations per print run in the same shade
- Toolless production – no wear of expensive milling tools
- No material waste: 8-fold efficiency^[1] compared to conventional methods

- Unmatched details
- Serial production of individual veneers with minimal manual effort
- Properties similar to IPS e.max Lithium-Disilicate

Finishing of restorations by Josef Schweiger CDT, M.Sc.

[1] D. Bomze, Comparison of additive manufacturing and subtractive manufacturing for production of dental restorations, Internal Report, Lithoz, 2022.

DR. ALEXEY UNKOVSKIY:
CASE STUDY ON
3D-PRINTED VENEERS



Lithoz LCM Technology

Today's industrial standard for dental ceramic 3D printing.

Printing a multitude of individual restorations in one single print job

Ultra-precise exposure, first-class optical components

No mechanical stress enables the thinnest of restorations



No dust or noise generation, minimal material waste

Fully automated documentation of the entire printing process

Only 10 g slurry to start a print job, pinpoint precise dosage



CAD DESIGN



3D PRINT
(LCM)



CLEANING, DEBINDING,
SINTERING



FINISHING



FINAL
RESTORATION

*Explore LCM technology.
For your minimal invasive solution —
thinner than you have ever imagined.*

WATCH
LCM VIDEO



The roadmap

The future of dental restorations follows a plan.

- Intended for use by dental technicians in the construction of custom-made ceramic restorations, such as crowns and veneers.
- Available in most used A-D shades at planned market start – further colors to be confirmed
- First market launch:
USA – FDA clearance via 510(k) and
ISO 13485 certification of Lithoz

JOINTLY
DEVELOPED
WITH
ivoclar

*Lithoz material production in
clean room environment*

WATCH VIDEO:
DENTAL WORKFLOW OF
CERAFAB S65 MEDICAL



Serial production of dental restorations

For innovators, by innovators.

Easy to operate:

- Complete integration of leading dental CAD software
- Fully digital workflow with automated print run documentation
- Intuitive user interface
- "Very efficient and operator friendly workflow" [2]

Efficient performance:

- Up to 50 individual restorations in a single print job
- Production of up to 350 restorations per day on a single CeraFab System S65 Medical
- First-class surface finish straight from the printer
- Perfect reproducibility with finest details



**READ THE FULL
PAPER BY JOSEF
SCHWEIGER HERE**



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“With the launch of IPS e.max press 18 years ago, Ivoclar set a material standard for dental restorations which to this day has not yet been surpassed. With the LCM 3D printing technology, Lithoz has now reached a new milestone in the customized series production of lithium disilicate, which is characterized by its attention to detail, precise fit and a straightforward workflow.”

JOSEF SCHWEIGER, M.SC. | HEAD OF DENTAL LAB | DEPT. OF PROSTHETIC DENTISTRY | UNIVERSITY HOSPITAL LMU MUNICH, GERMANY

”

“I am impressed by the aesthetically pleasing result and the perfect marginal fit of the additively manufactured lithium disilicate crowns that have been printed with Lithoz CeraFab System S65 Medical 3D printer!”

DR. ALEXEY UNKOVSKIY | DENTIST, SPECIALIST IN PROTHODONTICS (DGPRO) | CHARITÉ BERLIN, DEPT. OF PROSTHODONTICS, GERIATRIC DENTISTRY AND CRANIOMANDIBULAR DISORDERS



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Contact us

Looking for more information on markets and timelines? Visit our website or scan the QR code below to contact our team!



The solutions presented did not yet have FDA clearance at the time of this folder's printing.