

IPS[®]
e.max

IPS e.max[®] Press

Pressed lithium disilicate all-ceramic restorations from your laboratory



all ceramic
all you need



ivoclar
vivadent[®]
passion vision innovation

IPS e.max® Press (LS₂) for high esthetics and manifold possibilities

High strength and lifelike esthetics

Users and patients have been delighted with the precision, reliability and expressive esthetics of IPS e.max® Press restorations for more than ten years.

The premium original lithium disilicate glass-ceramic (LS₂) for the press technique offers accuracy of fit, form and function combined with an exceptional strength of 470 MPa*. Various clinical long-term studies confirm the excellent material properties.

The material allows for impressive esthetics irrespective of the shade of the prepared natural tooth. Therefore, users can rely on all-ceramic IPS e.max Press restorations even in cases with non-vital teeth or metal core build-ups. Both the tooth shade and the preparation shade is passed on to the laboratory. There, a lithium disilicate material with the required opacity is selected to restore the natural esthetics. The IPS e.max Shade Navigation App assists you in selecting the correct shade, taking into account the preparation shade, the desired final shade and the restoration thickness.

Wide range of indications

- Thin veneers (0.3 mm), veneers, occlusal veneers
- Inlays/onlays, partial crowns
- Crowns in the anterior and posterior region (≥ 1 mm)
- Three-unit bridges in the anterior and premolar region (second premolar as the terminal abutment)
- Implant superstructures
- Hybrid abutments and hybrid abutment crowns

In collaboration with your laboratory, select a treatment option that is suitable for the particular patient: a cost-effective, fully contoured restoration as an economical and appealing alternative to a full cast crown. Or you can choose a more exclusive option fabricated by means of the cut-back and layering technique, which will meet the high esthetic requirements of discerning patients.



Complete dentures with IPS e.max Press
Prof. Dr D. Edelhoff / O. Brix, Germany



Determining the preparation shade
Dr S. Kina, Brazil / G. Ubassy, France



IPS e.max® Press crown compared to a full cast crown
W. Weisser, Germany

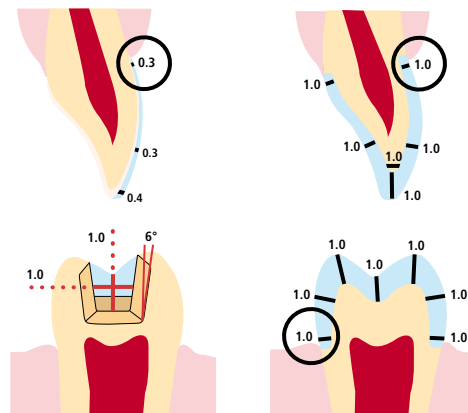
*Mean biaxial flexural strength, measured over ten years, R&D Ivoclar Vivadent, Schaan, Liechtenstein



Lithium disilicate provides new alternatives

Minimally invasive preparation

IPS e.max Press can be used for minimally invasive preparations since, for example, a material thickness of only 0.3 mm must be observed for veneers. The material thickness for IPS e.max lithium disilicate crowns can be reduced to 1 mm if adhesive cementation is used. When preparing a natural tooth for the insertion of an all-ceramic restoration, use a circular shoulder preparation with rounded inner edges and/or a chamfer preparation.



Cementation

Depending on the indication, IPS e.max Press restorations can be seated using either an adhesive, self-adhesive or conventional cementation method.

The light and dual-curing luting composite **Variolink® Esthetic** combines unparalleled esthetics with user-friendly handling.

Multilink® Automix is a universal self-curing luting composite with light-curing option.

The self-adhesive, self-curing resin cement **SpeedCEM® Plus** is particularly suitable for the cementation of zirconium oxide restorations.

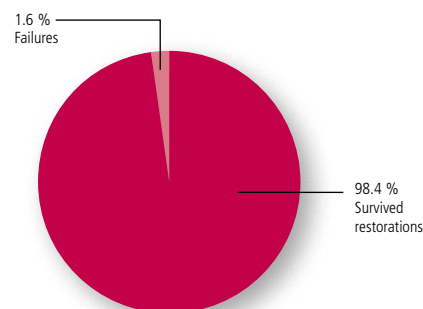


Cementation with Variolink® Esthetic
Dr S. Kouji, France

Do not blast IPS e.max Press restorations before cementation. **Monobond Etch & Prime®** allows you to etch and silanize glass-ceramic surfaces in one easy step. Occlusal adjustments after cementation can be made using (fine) diamonds. A diamond polishing system (e.g. **OptraFine®**) is used to polish the restoration to a high gloss.

Successful clinical use

Results of clinical studies lasting up to ten years are now available for IPS e.max Press. Six clinical studies involving a total of 499 restorations have shown a survival rate of 98.4% after a mean observation period of 4 years. With a fracture rate of 0.4%, IPS e.max Press demonstrates a clearly better clinical performance than conventional materials, such as glass- or metal-ceramics. Conventional and adhesive cementation work equally well.



Summary of the results of 6 clinical studies with
IPS e.max Press restorations
(Source: Scientific Report Vol. 02/2001-2013)



Versatile possibilities with a legendary press ceramic

Advantages of IPS e.max® Press

- All-ceramic restorations with long-term clinical evidence
- Stable, precision-fit results
- Lifelike, harmonious results
- High esthetics irrespective of the shade of the natural tooth
- Wide range of indications from thin veneers to three-unit bridges
- Adhesive, self-adhesive, or conventional cementation options



10 years in situ
Dr S. Kina /
J. C. Romanini, Brazil



Prof. Dr D. Edelhoft /
O. Brix, Germany



Dr P. Hajny,
Czech Republic /
R. Zubák, Slovakia



Dr C. Coachman, Brazil /
Dr M. Fradeani, Italy,
Dr E. van Dooren, Belgium



Laboratory logo | stamp



IPS e.max® forms a part of the "Fixed Prosthetics" product category. The products of this category cover the procedure involved in the fabrication of fixed prosthetic restorations – from temporization to restoration care. The products are optimally coordinated with each other and enable successful processing and application.