All ceramic, all you need.

IPS e.max®

Press
The original lithium disilicate press ceramic

All ceramic, all you need.

ivoclar vivadent: passion vision innovation
IPS e.max® Press is the original premium lithium disilicate glass-ceramic (LS2) for the press technique. It combines accuracy of fit with excellent function and outstanding esthetics as well as high strength. Moreover, IPS e.max Press is exceptionally user-friendly. The material comes in a wide range of shades and translucency levels for utmost flexibility. The possibility of combining digital and conventional working procedures allows you to significantly increase the reliability and efficiency of the entire press process.

Exceptional esthetics

lifelike, harmonious, individual

Well-thought-out assortment

a suitable ingot for virtually every dental application

Efficient production

smoothly combining the pressing process with the digital printing process

Trust builds confidence

more than 150 million restorations, a survival rate of over 96%¹ and more than 15 years of experience. The IPS e.max guarantee of 10 years is as promising as the material itself.

¹ IPS e.max® Scientific Report vol. 03/2001 – 2017
The most widely used press ceramic in the world
Wide application spectrum

IPS e.max Press covers an extensive application spectrum. It is the only press ceramic on the market that allows you to produce monochromatic restorations as well as polychromatic and implant-supported restorations. Due to the high strength of the lithium disilicate glass-ceramic, full-contour crowns with a minimum thickness of one millimetre can be produced.

The goal of modern dentistry is to preserve as much of the natural tooth structure as possible. IPS e.max Press is especially suitable for minimally invasive solutions. Very thin restorations can be produced due to the material’s high flexural strength (470 MPa) and high fracture toughness (2.5-3 MPa ∙ m1/2). The outstanding marginal quality and accuracy of fit of IPS e.max Press allow you to fabricate veneers showing a wall thickness of 0.3 mm. Full-contour crowns require a thickness of only 1 millimetre.

1 Typical mean value of the biaxial flexural strength over a period of 10 years, R&D Ivoclar Vivadent, Schaan, Liechtenstein
2 Fracture toughness (SENB), R&D Ivoclar Vivadent, Schaan, Liechtenstein
IPS e.max Press pays off

Produce several restorations in one press cycle.
The extensive assortment of IPS e.max Press features a suitable ingot for a myriad of clinical situations – matched to the desired restoration shade. IPS e.max Press opens up a wide range of possibilities, whether you choose to use the efficient staining technique, the customized cut-back technique or the highly esthetic layering technique.

## Well-thought-out assortment

<table>
<thead>
<tr>
<th>IPS e.max Press</th>
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</thead>
<tbody>
<tr>
<td>Multi</td>
<td>HT</td>
<td>MT</td>
<td>LT</td>
<td>MO</td>
</tr>
<tr>
<td><strong>Ingot</strong></td>
<td><img src="image" alt="Ingot" /></td>
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<tr>
<td><strong>Translucency</strong></td>
<td>Progression of shade and translucency from the dentin to the incisal area</td>
<td>High translucency similar to that of natural enamel</td>
<td>Medium translucency</td>
<td>Low translucency similar to that of natural dentin</td>
</tr>
<tr>
<td><strong>Shades</strong></td>
<td>10 (BL2, A1, A2, A3, A3.5, B1, B2, C1, C2, D2)</td>
<td>20 (4 Bleach BL, 16 A-D)</td>
<td>12 (BL2, BL3, BL4, A1, A2, A3, A3.5, B1, B2, C1, C2, D2)</td>
<td>20 (4 Bleach BL, 16 A-D)</td>
</tr>
<tr>
<td>5 (MO 0, MO 1, MO 2, MO 3, MO 4)</td>
<td>3 (HO 0, HO 1, HO 2)</td>
<td>2 (Opal 1, Opal 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Areas of application</strong></td>
<td>Veneers, crowns, hybrid abutment crowns</td>
<td>Thin veneers, occlusal veneers, veneers, inlays, onlays, partial crowns</td>
<td>Thin veneers, occlusal veneers, veneers, partial crowns, crowns, bridges</td>
<td>Veneers, partial crowns, crowns, bridges, hybrid abutments, hybrid abutment crowns</td>
</tr>
<tr>
<td><strong>Technique</strong></td>
<td>Staining technique Cut-back technique</td>
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</tr>
</tbody>
</table>

**Polychromatic**

**Monochromatic**
IPS e.max®
Shade Navigation App

Five easy steps to finding the correct shade and translucency level
Impressive esthetics

“... I love the IPS e.max Press MT ingots, because they enable me to design ultra-thin restorations with optimum value. They facilitate my daily work, because I can concentrate on the micro-layering without losing value.”

Hilal Kuday
Turkey
IPS e.max Press is one of the foundation pillars of our success and has been a loyal and very reliable partner in our daily work for the past 15 years.

Oliver Brix
Germany

"IPS e.max Press Impulse ingots allow you to press restorations that look like they are composed of natural enamel. Due to the combination of opalescence and strength, ultra-thin veneers can be fabricated."

Michele Temperani
Italy

Upper anterior crowns: IPS e.max Press (MO 0), IPS e.max Ceram
Veneers in the lower jaw: IPS e.max Ceram
Posters: IPS e.max Press (HT BL3)
Superb quality

reliable

96.2 %

survival rate

10-year guarantee
complete confidence
high stability
Various long-term studies confirm the high level of dependability and impressive reliability of IPS e.max Press. In the 10-year study of K. Malament, a total of 5,113 cumulative years of observation showed a failure rate of 0.14% per year.

Starting situation After placement 10 years in situ

Dr Sidney Kina / José C. Romanini, Brazil

IPS e.max Press is capable of resisting crack growth for an exceptionally long time. This high fracture toughness inspires confidence.

IPS e.max® Scientific Report, vol. 03/2001 – 2017

Fracture toughness [MPa · m$^{1/2}$]

A high fracture toughness is achieved due to the superior resistance to crack propagation: the higher the reading, the better the long-term clinical behaviour.

Typical mean value of the biaxial flexural strength over a period of 10 years [MPa]

High flexural strength is of major importance for load bearing restorations. It is measured as the load or force at the point of fracture.

1 IPS e.max® Scientific Report, vol. 03/2001 – 2017

2 Fracture toughness (SENB), R&D Ivoclar Vivadent, Schaan, Liechtenstein

3 Typical mean value of the biaxial flexural strength over a period of 10 years
R&D Ivoclar Vivadent, Schaan, Liechtenstein
Would you like to use the digital scan data from your dentist or streamline your conventional wax-up technique? We invite you to expand your portfolio and take advantage of the benefits of the digital press process.

PrograPrint® is a 3D printing system tailored to the requirements of dental laboratories. PrograPrint PR5 is designed to produce inlays, onlays, crowns and bridges for the press technique. The additive manufacturing technique allows you to benefit from the high number of press objects produced at the same time. PrograPrint PR5 allows you print 40 wax crowns in only one printing cycle.

The ProArt Print Wax material is especially designed for this printing system and burns out without leaving any residue. The high accuracy of fit, exceptional detail and smooth surfaces of the wax objects speak for themselves.

- Printing material that reliably burns out and prevents tension/cracks in the investment ring
- High accuracy of fit of the pressed objects
- Fatigue-free working, faithful reproduction of textures and surface details
The high-performance press and ceramic furnaces Programat® EP 3010 and EP 5010 perfectly complement IPS e.max Press. Efficiency and user-friendliness are their hallmarks.

**Fully automatic press function (FPF) at the push of a button**

Due to the new patented and fully automatic press function, pressing of IPS e.max Press is now even easier and more economical. All you need to do is put the investment ring into the furnace and push the start button – everything else is performed by the furnace itself. It chooses the press program, automatically heats the press chamber to the appropriate temperature and presses the fluid ceramic into the investment ring at the right time.

- Excellent press and firing results
- High process reliability thanks to the fully automatic press function (FPF)
- Infrared Technology (IRT) to monitor the temperature in the investment ring and ensure optimum predrying processes
Obtain impressive results easily and efficiently

1 Simplified scanning and designing

The patient’s oral situation is digitally recorded with an intraoral or laboratory scanner. This data is used to design the restoration with the CAD/CAM software.

8 Appropriate cementation

Ivoclar Vivadent supplies a specialized cementation system for use with IPS e.max Press.

- Esthetic cementation with the Variolink® Esthetic luting composite
- Easy conditioning with the self-etching glass-ceramic primer Monobond Etch & Prime®

Finding your way out of the cements maze: www.cementation-navigation.com

7 Characterization and glazing

The stains and glazes of the IPS Ivocolor® assortment enable you to customize all IPS ceramic materials.

- Simplified handling due to innovative paste formulation
- High gloss at a firing temperature of only 710 °C
- Fluorescence with IPS Ivocolor Glaze Fluo

6 Perfect ceramic layers

IPS e.max Ceram is a versatile layering ceramic featuring intuitive modelling properties and excellent stability.

- Consistent layering scheme
- Harmonious shade adjustment
- Excellent firing behaviour
IPS e.max® Press

The two intelligent press and ceramic furnaces Programat® EP 3010 and EP 5010 produce outstanding firing results. Restorations are pressed easily and efficiently at the push of a button due to the fully automatic press function (FPF).

2 Printing / milling wax objects

High-precision wax restorations are efficiently and quickly produced by machining ProArt CAD Wax yellow in the PrograMill® milling machines or by printing ProArt Print Wax in the PrograPrint® PR5.

3 Simplified ingot selection

The IPS e.max Shade Navigation App (SNA) assists you in finding the most suitable shade and translucency – for reliable and relaxed working.

4 Precision investment

IPS® PressVest Premium ensures optimum press results with IPS e.max Press and therefore the fabrication of superior-quality restorations.

- Exact, precision fit
- Extremely smooth, homogenous surfaces

5 Pressing at the push of a button

The two intelligent press and ceramic furnaces Programat® EP 3010 and EP 5010 produce outstanding firing results. Restorations are pressed easily and efficiently at the push of a button due to the fully automatic press function (FPF).