PrograMill
one

SHAPE YOUR
DENTAL FUTURE

ivoclar
digital:

ivoclar
digital:

EVERYTHING
FOR CHAIRSIDE RESTORATIONS

Bringing technologies together

No matter where you are on your CAD/CAM journey, from digital newcomer to seasoned expert, the integrated open workflow from Ivoclar Vivadent is the ideal solution. Combining the latest technology with user friendly features, you can easily create accurate, highly esthetic IPS e.max CAD restorations.

Completely integrated workflows

Specifically created to be utilized with the PrograMill One, PrograScan One intraoral scanners enable you to deliver highly accurate restorations in the most efficient way possible.

YOUR BENEFITS

- Efficient and time-saving procedures
- Completely integrated, validated workflow
- Accurate IPS e.max restorations

Find more information at
ivoclardigital.com

CUTTING-EDGE TECHNOLOGY
FOR IPS e.max® RESTORATIONS

What is in it for me?
- Enhanced quality of your restorations due to coordinated products with high clinical evidence
- Range of materials and shades for single-tooth restorations
- Improved workflow efficiency due to innovative auxiliaries

What is in it for my patients?
- Time savings: no temporaries and no unpleasant impression-taking
- Reduced need for anesthetics

PrograMill one

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digital:

CONSULT

IvoSmile® –
WHERE BEAUTIFUL SMILES BEGIN

Tap into the curiosity of your patients effectively and effortlessly

IvoSmile is an innovative iPad app developed for dental professionals. IvoSmile uses augmented reality to visualize the possibilities for esthetic treatment options directly on the patient.

Get your patient interested in a dental smile makeover: Use virtual images to show your patients the possibilities for enhancing their smiles effectively and quickly. Explain complex treatment processes easily and help your patients gain a clearer picture of the treatment goal. This will make it easier for them to decide whether they want to commit their time and money to the process of detailed cosmetic treatment planning.

IvoSmile includes a Bleaching option to simulate bleached natural teeth. You can therefore also use the app to advise your patients on the ideal degree of whiteness.

VIRTUAL MIRROR
INSPIRE YOUR PATIENTS WITH AUGMENTED REALITY

Find out more about IvoSmile at:
http://blog.ivoclarvivadent.com/ivosmile

Download on the App Store

The IvoSmile app is designed for Apple iPads [1] and can be downloaded from the Apple App Store; a 30-day free trial period of the fully featured app is included in the download.

[1] Not a registered trademark of Ivoclar Vivadent AG

> *I use the IvoSmile app as an aid when I give advice. Patients are impressed with the real-time visualization and get a clearer picture of the esthetic treatment.*

Dr Arnd Peschke, R&D Ivoclar Vivadent AG, Schaan, Liechtenstein

YOUR BENEFITS

- Enhance the quality and effectiveness of your advice with personalized and time-saving real-time presentations.
- Facilitate collaboration and coordination between you, your patient and your lab partner.

DESIGN

PrograScan® One

Whether you are a digital novice looking to get started
with an easy-to-use* intraoral scanner or a fully digital practice
ready to embrace tools to take your restorations to the
next level, PrograScan® One enables you to deliver excellent
patient care [1] and highly accurate and esthetic restorations
thanks to seamless integration with PrograMill® One
and IPS e.max® CAD.

**HIGH ACCURACY
TO ENABLE
HIGH-PRECISION
RESTORATIONS**

All you need
for precise restorations

Delivers high-accuracy scan data[2]
needed to enable optimal treatment results

Completely integrated workflows
with PrograMill One

Optimized handling*
with wireless scanning technology

Caries diagnostic aid*
for early detection of suspected surface caries[3]

Peace of mind
with the full-service package from Ivoclar Vivadent

ivoclar
digital

PrograScan® One software package

Flexible intraoral scanner software

Artificial Intelligence-driven design proposals
for ease and speed

Patient-Specific Motion
Record your patient's dynamic articulation

Treatment Simulator
Consult your patient with simulated
orthodontic treatment

Smile Design
Design patient's new smile in just minutes

Realistic colours and shade measurement
High-quality digital impressions in lifelike colour

Patient Monitoring*
Visualize changes over time
and gain preventive insights

PrograDesign

The flexible design software PrograDesign
connects the PrograScan® One and
PrograMill® One into intuitive dental
solutions. Plan and create restorations
right in your practice in a single day.

* 3Shape TRIOS A/S

** Caries diagnostic aid is not cleared by the FDA
for clinical use in the USA. For other markets,
please contact your Ivoclar Digital Master.

Compare your options

PrograScan® One & PrograScan® One+

		PrograScan one	PrograScan one+
Scanner features	High scanning speed	✓	✓
	Colour Scan	✓	✓
	AI automatic tissue removal	✓	✓
	Accuracy	6.9 ± 0.9 μm	6.9 ± 0.9 μm
	Wired connection	✓	✓
	Wireless	–	✓
	Smart Tips	–	✓
	Caries diagnostic aid **	–	✓
Software and apps	Patient Monitoring***	✓	✓
	Treatment Simulator	✓	✓
	Smile Design	✓	✓
	Patient Specific Motion	✓	✓
	Additional studio apps	Add-on option	Add-on option
Workflow	Chairside workflow with PrograMill® One	✓	✓
	"Send to Lab" workflow	✓	✓
	IvoSmile patient engagement	Add-on option	Add-on option
Service	Training included	✓	✓

*** 3Shape TRIOS A/S

PrograScan® One+

PrograScan® One

References:

[1] H. Kihara, W. Hatakeyama, F. Komine, K. Takafuji, T. Takahashi, J. Yokota, K. Oriso, & H. Kondo, Accuracy and practicality of intraoral scanner in dentistry: A literature review. Journal of prosthodontic research, 64(2), 109–113.
[2] J. Abduo, & M. Elseyoufi, Accuracy of Intraoral Scanners: A Systematic Review of Influencing Factors. The European journal of prosthodontics and restorative dentistry, 26(3), 101–121.
[3] P. Ntovas, S. Michou, C. Rahiotis & A. Kakaboura, Caries detection using intraoral scanner under in vivo and in vitro conditions, 2020 ORCA, 09/07/2020 - 11/07/2020, pp. 501.

DECIDE

IPS e.max® CAD
LITHIUM DISILICATE GLASS-CERAMICS (LS$_2$)

10 YEAR GUARANTEE

IPS e.max CAD is the world's best-selling glass-ceramic[1]. It is suitable for the efficient fabrication of full-contour restorations and is known for its versatile application options and for its high strength of 530 MPa[2].

Both its esthetic properties and durability have been confirmed by everyday clinical practice.

PROCESSING OPTIONS

"Blue" restorations can either be:
- polished and then crystallized
- glazed and crystallized in a single step
- stained, glazed and crystallized
  in a single step

TYPES OF RESTORATIONS

- Veneers
- Inlays
- Onlays (e.g. partial crowns)
- Minimally invasive crowns (1 mm)[3]
- Crowns

YOUR BENEFITS

- Excellent esthetics and high strength of 530 MPa[2], efficiently created in the dental practice
- Depending on the restoration type, an adhesive, self-adhesive or conventional cementation protocol can be chosen
- Clinical long-term success and scientifically documented results

I12   C14   C16

IPS e.max® – THE WORLD´S MOST USED[1] ALL-CERAMIC SYSTEM

96%
SURVIVAL RATE[4]

10 YEARS
OF CLINICAL EVIDENCE

OVER 150
MILLION RESTORATIONS[1]

98%[5]
CUSTOMER SATISFACTION

[1] Based on sales figures
[2] Average biaxial flexural strength, measured over 10 years, R&D Ivoclar Vivadent, Schaan, Liechtenstein
[3] On the basis of long-term clinical evidence and the material's high strength, the fabrication of crowns with a minimum thickness of 1 mm is allowed if an adhesive cementation technique is used.
[4] IPS e.max, Scientific Report, Vol. 02/2001-2017
[5] IPS e.max CAD customer satisfaction survey in Germany and the USA, 2014

Tetric® CAD
COMPOSITES

Tetric CAD is an esthetic composite block for the efficient fabrication of single-tooth restorations. Due to their pronounced chameleon effect, Tetric CAD restorations blend in well with the residual tooth structure.

Restorations are ground, polished and then seated using an adhesive cementation technique. This processing procedure is very efficient, leading to esthetic results quickly and easily.

C 14

PROCESSING OPTIONS

Once produced, restorations can be:
- polished
- stained (optional)

TYPES OF RESTORATIONS

- Veneers
- Inlays
- Onlays (e.g. partial crowns)
- Crowns

YOUR BENEFITS

- Lifelike integration into the oral environment due to the unique chameleon effect
- Excellent polishability and intraoral repairability
- Easy and efficient processing
- Stability even in restorations with limited layer thicknesses; thinly tapered margins are possible
- Reliable adhesive bond due to a coordinated system of cementation materials

IPS Empress® CAD
LEUCITE GLASS-CERAMICS

IPS Empress® CAD is associated with more than 20 years of successful clinical performance. It closely reproduces the natural tooth structure due to its distinct chameleon effect and natural fluorescence. IPS Empress CAD is known for the highest levels of esthetics and can be easily polished to a high gloss.

Grind – polish – done.

I12   C14

PROCESSING OPTIONS

Once produced, restorations can be:
- polished
- stained (optional) – glazed

TYPES OF RESTORATIONS

- Veneers
- Inlays
- Onlays (e.g. partial crowns)
- Crowns

YOUR BENEFITS

- Highly esthetic restorations, efficiently created
- Clinically proven ceramic material with a flexural strength of 185 MPa [1]
- Optimum shade adjustment to the natural tooth structure due to the chameleon effect

[1] Average biaxial flexural strength, measured over 10 years.
Ivoclar Vivadent AG, Schaan, Liechtenstein

PRODUCE

PrograMill® One –
SETTING NEW STANDARDS

PrograMill One is a smart and very compact 5-axis milling machine. It combines industrial production quality with high precision and modern design. The machine is wireless and can be operated via an app from a tablet or smartphone. This new interplay between man and machine means it can be perfectly integrated within the practice.

MATERIALS

- IPS e.max® CAD
- IPS Empress® CAD
- Tetric® CAD

TYPES OF RESTORATIONS

- Veneers
- Inlays
- Onlays
- Crowns

PrograMill One
SETTING NEW STANDARDS

5XT – the next generation of processing

The innovative 5-axis turn-milling technology (5XT) means the block that is being processed moves around the tool. The infeed remains consistent and the tool never leaves the workpiece. This enables short machining times while keeping tool wear low. As a result, the restorations have outstanding surface quality and an excellent fit. Depending on the material and area of use, individual validated machining strategies are may be used, so rework is reduced to a minimum.

High automation and comfort

A camera integrated within the PrograMill One automatically records all information on materials and tools. This makes the use of different materials extremely easy and material loading very convenient.

The OSD (Optical Status Display) visually informs the user about the current operating status. Material, size, shade and translucency are automatically read in by means of the Data Matrix Code.

5-axis turn-milling technology (5XT)

5-way material and
8-position tool changer
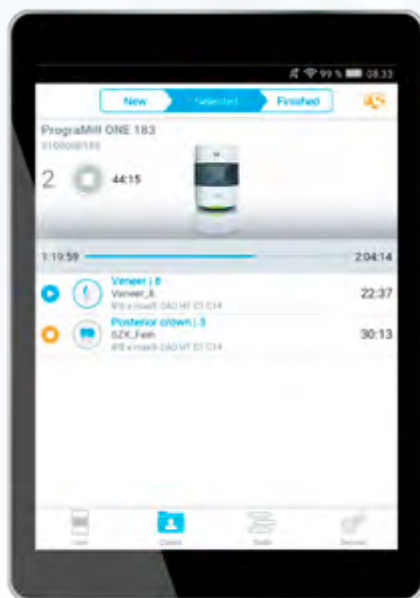
Integrated camera for
a high level of automation

Easy operation via an app

Optical status display

PrograMill One App
Everything at your fingertips

PrograMill One is wireless and can be operated via an app from a tablet or smartphone.
This way you are always informed of the machine's current status.

Order management

- Order list in the overview
- Current processing status
- Control of the 5-axis block changer

Tool management

- Display of tool status
- Control of the 8-position tool changer

Machine management

- Overview of machine data
- Machine status
- Filter unit status

FINALIZING
AND FIRING

IPS e.max® CAD Crystall.| Shades|Stains and Glaze

IPS e.max® CAD Crystall./Shades/Stains and Glaze is a universal range of stains and glazes designed for IPS e.max CAD, IPS e.max ZirCAD and IPS Empress CAD.

The glaze is available in two versions – with or without fluorescent effect.

YOUR BENEFITS

- Reduced inventory, reduced costs – a single range suitable for all the CAD/CAM ceramic materials from Ivoclar Vivadent
- Familiar application and consistent high quality
- Glaze with and without fluorescent effect
- Possibility to apply corrections (e.g. proximal contacts) with add-on

Programat®
FOR OPTIMUM FIRING RESULTS

Clinicians and dental technicians all over the world simply love the high quality standard, long service life, homogeneous firing results and straightforward operation, together with the many other innovative features. It's no coincidence that the Programat® range is among the best-selling[1] ceramic furnaces.

POWER SAVING Technology

All furnaces are equipped with a power-saving key. In stand-by mode, the furnaces use 40 % less energy.

Digital Shade Assistant

Programat® CS2

Glazing and crystallization furnace with colour touch screen display

Programat® CS3

Glazing and crystallization furnace with colour touch screen display and Digital Shade Assistant

Programat® CS4

Glazing, crystallization and sintering furnace

Program speed	15 min	15 min	17 min
	IPS e.max® CAD	IPS e.max® CAD	IPS e.max® CAD

Variolink® Esthetic
THE ESTHETIC LUTING COMPOSITE

Variolink® Esthetic is an esthetic light- and dual-curing luting composite for the permanent cementation of demanding ceramic and composite restorations. The cement is based on the esthetic luting composites Variolink II and Variolink Veneer, which have proven their worth in clinical use for many years.

TYPES OF RESTORATIONS

Restorations made of:

- IPS e.max CAD
- IPS Empress CAD
- Tetric CAD

YOUR BENEFITS

- Balanced and straightforward Effect shade system
- Excellent shade stability due to amine-free formulation
- Easy, controlled clean-up

Ideal for IPS e.max® CAD, IPS Empress® CAD in combination with Monobond Etch & Prime®, the self-etching glass-ceramic primer.

DIGITAL EXPERTISE
UNDER ONE ROOF

Ivoclar Digital is an expert digital partner that supports dentists and dental technicians along the entire digital process chain. A great deal of importance is placed on simple and understandable procedures. Our portfolio of digital processes is divided into four areas:

CONSULT

IvoSmile®, the innovative software application based on augmented reality, supports dialogue between dental professionals and their patients

DESIGN

Versatile intraoral scanners and intuitive design software with exclusive add-ons

DECIDE

High-performance materials such as IPS e.max® – the world's most used all-ceramic system [1]

PRODUCE

Technologically high-quality equipment for the production of esthetic restorations

[1] Based on sales figures

→ Connected to you

ivoclardigital.com

ivoclar digital®