X-TYPE VENEERING CERAMICS
The new generation of ceramics............................... p. 4
X-Type highlights at a glance................................. p. 5
HITEX™ Veneering ceramic................................. p. 6
HITEX™ assortments ........................................... p. 7
ZIROX® Veneering ceramic............................... p. 8
ZIROX® assortments .......................................... p. 9
ALLUX® Veneering ceramic ............................... p. 10
ALLUX® assortments ........................................... p. 11
REFLEX® Veneering ceramic .............................. p. 12
Truly identical shades......................................... p. 13
SYSTEM X components ..................................... p. 13
REFLEX® assortments ........................................ p. 14
PressX™ .......................................................... p. 16
PressX™ press ceramic system ............................ p. 17
PressX™ ZR ...................................................... p. 17
PressX™ ZR assortments .................................... p. 18
IMAGINE® PressX™ ........................................... p. 19
IMAGINE® PressX™ assortments ......................... p. 19
Firing or pressing? ............................................ p. 21
Austromat D4 .................................................... p. 21
Austromat 3001 Press-i-dent ............................... p. 22
ARE YOU READY FOR
THE NEW GENERATION OF CERAMICS?

The main features of WIELAND X-Type veneering ceramics are ideal physical properties, a wide range of indications and an especially high degree of user-friendliness.

The unique feature of all X-Type ceramics is in their innovative microstructure. It is this that guarantees the excellent physical strength and chemical stability of WIELAND veneering ceramics. They combine previously unattained surface properties with extremely reliable handling and processing.

The X-Type ceramics are also very easy to use: Even with the simple and logical 3-layer build-up, extremely aesthetic veneers can be obtained which exactly reproduce the colours of Vita® Classical shade guide. This gives you the advantages of reliability and consistency when exchanging information about shades with your customers and means that perfect colour results can be obtained using familiar techniques.

In this connection, it is particularly relevant to point out that the veneering ceramics REFLEX®, ALLUX®, ZIROX® and HITEX™ all offer absolutely identical shades. This gives you the unique advantage that a perfect colour match can easily be obtained with the same build-up technique on a variety of very different substructure materials.

This means that for the first time you can apply all skills acquired whilst working with our ceramics in the ratio of 1:1 to all current substructure materials – especially in modern times this offers an invaluable advantage since all dental laboratories have to face increasing costs and are under deadline pressure.

In spite of the simplicity of the three-layer build-up, these ceramics enable you to achieve the individualised characteristics you expect to obtain with modern ceramic materials. With our Chromatix materials, the opal incisals, which remain stable even during multiple firings, the fluorescent dentines, the dentine and incisel modifiers, the shoulder materials, our logical bleach concept and the wide choice of stains you are in a position to meet the most demanding requirements in terms of aesthetics.

WIELAND X-Type ceramics set new standards in dental veneering ceramics. Enter the world of these “New Generation Ceramics” and benefit from the unique advantages only they can offer.
X-TYPE HIGHLIGHTS AT A GLANCE

■ INNOVATIVE MICROSTRUCTURE
  ■ Very smooth, homogeneous and plaque resistant surface
  ■ Gingiva-friendly and kind to opposing teeth
  ■ Easily polished to a high shine in the mouth

■ AESTHETIC
  ■ Perfect colour match with all WIELAND X-Type veneering ceramics
  ■ Exceptionally natural colour effects
  ■ Fulfil the highest aesthetic requirements
  ■ Light dynamics are standard for us

■ RELIABLE
  ■ Bond very well to all the indicated substructures
  ■ Simple and reliable firing programme (cf. T. Klinke, R.Biffar, Quintessenz Zahntechnik 26 (12) 1317-30 (2000))
  ■ High fracture strength: 120 MPa

■ ECONOMICAL
  ■ Easy and accurate shade reproduction with the logical three-stage build-up (opaque (liner) / dentine / incisal)
  ■ Robust in application
  ■ Perfect handling properties
  ■ Excellent firing characteristics

■ INNOVATIVE
  ■ HDAM™ microstructure (with oxide ceramic substructures) or nanoleucite structure™ (with metal frameworks)
  ■ Opalescence remains stable even after multiple firings
HITEX™ VENEERING CERAMIC

HITEX™: The high-end ceramic with innovative nanoleucite structure™.

The veneering ceramic HITEX™ is the world’s first high expanding ceramic with the recently developed and patented nanoleucite structure™. HITEX™ will be launched as a new X-Type ceramic at this year’s IDS. It completes WIELAND’s range of X-Type ceramics by adding a further important material to the group of high expanding ceramic materials. HITEX™ offers all the benefits of an X-Type ceramic. This material teams up with the low cost alloy Aurium HITEX™ LC to form an unbeatable duo in the field of innovative metal ceramic systems.

- TECHNICAL SPECIFICATIONS
  
  **Indication**
  
  HITEX™ is suitable for veneering all universal alloys with a CTE of 16.1 – 16.7·10⁻⁶ K⁻¹ (25 – 500 °C) and IMAGINE® PressX™ components.

  We recommend the use of WIELAND universal alloys, e.g.:
  - Porta Optimum
  - Porta Maximum NF
  - Simidur A
  - Porta PDF plus
  - Porta Norm
  - Porta Aurium
  - Porta Aurium 2
  - Simidur PressX
  - AGC® electroforming gold
  - Aurium HITEX™ LC

- PHYSICAL PROPERTIES

  - HITEX™ has a high fracture strength of 120 MPa
  - Dentine bake: 760 °C
**THE HITEX™ ASSORTMENTS**

**HITEX™ STARTER SET**
Reference No. 8600150SET
Contains the V-shades:
A2 – A3 – A3.5 – B2 – B3 – C2 – C3 – D3
- 8 x Paste opaque 4 g each
- 8 x Dentine 12 g each
- 6 x Dentine modifier 12 g each
- 8 x Chroma dentine 12 g each
- 2 x Flu dentine 12 g each
- 2 x Incisal 12 g each
- 2 x Opale incisal 12 g each
- 3 x Shoulder High 12 g each
- 2 x Transpa 12 g each
- 3 x REFLEX® stain 2 g each
- 1 x Glaze 2 g
- 1 x Correction 3 g
- 1 x Standard liquid 50 ml
- 1 x Speed liquid 50 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Paste opaque thinner 15 ml
- 1 x IsoPen
- 1 x Measure
- 2 x Shade guide

**HITEX™ EXPERT SET**
Reference No. 8600170SET
- 1 x Paste opaque modifier, gum 4 g
- 5 x Dentine gum 12 g each
- 2 x Dentine modifier 12 g each
- 8 x Inscisal modifier 12 g each
- 4 x Opale effect 12 g each
- 3 x Bleach dentine 12 g each
- 1 x Bleach flu dentine 20 g
- 1 x Bleach inscisal, blue 20 g
- 1 x Bleach Shoulder High 20 g
- 6 x Shoulder correction 12 g each
- 1 x Bleach shoulder correction 20 g
- 7 x REFLEX® stain 2 g each
- 1 x Standard carving liquid 50 ml
- 1 x carving liquid, blue 15 ml
- 1 x carving liquid, yellow 15 ml
- 1 x carving liquid, red 15 ml
- 2 x Shade guide

**HITEX™ ADD-ON SET**
Reference No. 8600160SET
Contains the V-shades:
A1 – A4 – B1 – B4 – C1 – C4 – D2 – D4
- 8 x Paste opaque 4 g each
- 5 x Paste opaque modifier 4 g each
- 8 x Dentine 12 g each
- 8 x Chroma dentine 12 g each
- 2 x Flu dentine 12 g each
- 2 x Incisal 12 g each
- 2 x Opale incisal 12 g each
- 3 x Shoulder High 12 g each
- 6 x REFLEX® stain 2 g each
- 4 x Body stain 2 g each
- 1 x Standard liquid 50 ml
- 1 x Speed liquid 15 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Paste opaque thinner 15 ml
- 2 x Shade guide

**HITEX™ POWDER STARTER SET:**
Reference No. 860015PSET
The HITEX™ Powder Starter Set comprises the same components as the HITEX™ Starter Set except that the paste opaques and paste opaque thinner are replaced by:
- 8 x Powder opaque 15 g each
- 1 x opaque liquid 50 ml

**HITEX™ POWDER ADD-ON SET:**
Reference No. 860016PSET
The HITEX™ Powder Add-on Set comprises the same components as the HITEX™ Add-on Set except that the paste opaques, paste opaque modifier and paste opaque thinner are replaced by:
- 8 x Powder opaque 15 g each
- 8 x Powder opaque modifier 15 g each
- 1 x Opaque liquid 15 ml

* The HITEX™ Add-On Set completes the HITEX™ Starter Set to a full assortment.
X and Z: Two unique components that simply belong together
ZIROX®: Ceramic material with the innovative HDAM™ microstructure.

The veneering ceramic ZIROX® is a zirconium oxide veneering ceramic with the innovative new leucite-free HDAM™ microstructure. ZIROX® was launched in 2005. It is an important component in the X-Type family of ceramics and is the aesthetic solution for all zirconium oxide framework materials in the specified range of indications. ZIROX® is an integral part of the ZENO® Tec system. ZIROX® offers all the advantages of an X Type ceramic.

- TECHNICAL SPECIFICATIONS
  - Indication
    - All densely sintered zirconium oxide structural ceramics with a CET of approx. $10^{-10} \text{K}^{-1}$ (25 – 500 °C).

- PHYSICAL PROPERTIES
  - High fracture strength of 120 MPa
  - Dentine bake: 900 °C

* High Density Advanced Microstructure
ZIROX® ASSORTMENTS

**ZIROX® STARTER SET**
Reference No. 8500010SET
Contents the V-shades:
A2 - A3 - A3.5 - B2 - B3 - C2 - C3 - D3

- 8 x Liner 10 g each
- 8 x Dentine 12 g each
- 6 x Dentine modifier 12 g each
- 8 x Chroma dentine 12 g each
- 2 x Flu dentine 12 g each
- 2 x Incisal 12 g each
- 2 x Opale incisal 12 g each
- 3 x Shoulder High 12 g each
- 2 x Transpa 12 g each
- 3 x Stain 2 g each
- 1 x Glaze 2 g
- 1 x Correction 3 g
- 1 x Retain liquid 50 ml
- 1 x Speed liquid 15 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Liner liquid 50 ml
- 1 x IsoPen
- 1 x Measure
- 2 x Shade guide

**ZIROX® ADD-ON SET* **
Reference No. 8500030SET
Contains the V-shades:
A1 - A4 - B1 - B4 - C1 - C4 - D2 - D4

- 8 x Liner 10 g each
- 5 x Liner modifier 10 g each
- 8 x Dentine 12 g each
- 8 x Chroma dentine 12 g each
- 2 x Flu dentine 12 g each
- 2 x Incisal 12 g each
- 2 x Opale incisal 12 g each
- 3 x Shoulder High 12 g each
- 6 x Stain 2 g each
- 4 x Body stain 2 g each
- 1 x Retain liquid 50 ml
- 1 x Speed liquid 15 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Liner liquid 15 ml
- 2 x Shade guide

**ZIROX® EXPERT SET**
Reference No. 8500060SET

- 1 x Liner modifier, gum 10 g each
- 5 x Gum dentine 12 g each
- 2 x Dentine modifier 12 g each
- 8 x Incisal modifier 12 g each
- 4 x Opale effect 12 g each
- 3 x Bleach dentine 12 g each
- 1 x Bleach flu dentine 12 g
- 1 x Bleach incisal, blue 12 g
- 1 x Bleach Shoulder High 12 g
- 7 x Stain 2 g each
- 1 x Retain liquid 50 ml
- 1 x carving liquid, blue 15 ml
- 1 x carving liquid, yellow 15 ml
- 1 x carving liquid, red 15 ml
- 2 x Shade guide

* The ZIROX® Add-On Set completes the ZIROX® Starter Set to a full assortment
ALLUX® VENEERING CERAMIC

ALLUX®: Ceramic with the innovative HDAM™

The veneering ceramic ALLUX® is an aluminium oxide veneering ceramic with the innovative new leucite-free HDAM™ microstructure. ALLUX® was launched at IDS 2005 as a new X-Type ceramic. It is an important component in the X-Type family of ceramics and is the aesthetic solution for all framework materials in the specified range of indications. ALLUX® offers all the advantages of an X-Type ceramic.

■ TECHNICAL SPECIFICATIONS

Indication
All densely sintered or infiltrated aluminium oxide structural ceramics with a CTE of approx. 8·10⁻⁶ K⁻¹ (25 – 500 °C).

■ PHYSICAL PROPERTIES
- High fracture strength of 120 MPa
- Dentine bake: 900 °C

* High Density Advanced Microstructure
ALLUX® ASSORTMENTS

■ ALLUX® STARTER SET
Reference No. 8400010SET

Contains the V-shades:
A2 - A3 - A3,5 - B2 - B3 - C2 - C3 - D3

- 8 x Liner 10 g each
- 8 x Dentine 12 g each
- 6 x Dentine modifier 12 g each
- 8 x Chroma dentine 12 g each
- 2 x Flu dentine 12 g each
- 2 x Incisal 12 g each
- 2 x Opale incisal 12 g each
- 3 x Shoulder High 12 g each
- 2 x Transpa 12 g each
- 3 x Stain 2 g each
- 1 x Glaze 2 g
- 1 x Correction 3 g
- 1 x Retain liquid 15 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Liner liquid 15 ml
- 1 x IsoPen
- 1 x Measure
- 2 x Shade guide

■ ALLUX® EXPERT SET
Reference No. 8400060SET

- 1 x Intensive liner, gum 10 g
- 4 x Bleach dentine 12 g each
- 2 x Dentine modifier 12 g each
- 5 x Gum dentine 12 g each
- 8 x Inscisal modifier 12 g each
- 1 x Bleach incisal, blue 12 g
- 4 x Opale incisal 12 g each
- 1 x Bleach Shoulder High 12 g
- 7 x Stain 2 g each
- 1 x carving liquid, blue 15 ml
- 1 x carving liquid, yellow 15 ml
- 1 x carving liquid, red 15 ml
- 2 x Shade guide

■ ALLUX® ADD-ON SET*
Reference No. 8400030SET

Contains the V-shades:
A1 - A4 - B1 - B4 - C1 - C4- D2- D4

- 8 x Liner 10 g each
- 5 x Intensive liner 10 g each
- 8 x Dentine 12 g each
- 8 x Chroma dentine 12 g each
- 2 x Flu dentine 12 g each
- 2 x Incisal 12 g each
- 2 x Opale incisal 12 g each
- 3 x Shoulder High 12 g each
- 6 x Stain 2 g each
- 4 x Body stain 2 g each
- 1 x Speed liquid 15 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Liner liquid 15 ml
- 2 x Shade guide

* The ALLUX® Add-On Set completes the ALLUX® Starter Set to a full assortment.
REFLEX®: The first ceramic with the innovative nanoleucite structure™

The veneering ceramic REFLEX® was the first ceramic in the world to exhibit the innovative new and patented nanoleucite structure™. REFLEX® was launched at IDS 2003. With over 5,000 satisfied customers, this ceramic has manifestly proven its utmost reliability and excellent aesthetic qualities, even in the most difficult of indications.

■ TECHNICAL SPECIFICATIONS

Indication
CTE range of precious metal alloys that can be veneered: 13.8 - 15.1·10⁻⁶ K⁻¹ (25 – 500 °C).
Non-precious metal alloys: Please refer to our list of recommendations when selecting a non-precious metal alloy.

WIELAND recommends the following alloys:
■ Porta REFLEX®
■ Porta Geo Ti
■ BioPorta G
■ Porta Implant
■ Porta P6
■ Porta SMK 82
■ Simidur S1S

When using non-precious metal alloys we recommend DentaNEM

■ PHYSICAL PROPERTIES

■ High fracture strength of 120 MPa
■ Dentine bake: 900 °C
TRULY IDENTICAL SHADES

THE LONG LIFE GUARANTEE ...

... applies to permanent dental restorations made with SYSTEM X components in Germany. WIELAND guarantees the metal-ceramic bond for 10 years.

THE SYSTEM X COMPONENTS

THE SEVEN ALLOYS

- Porta REFLEX®, Porta Geo Ti, BioPorta G, Porta Implant, Porta P6, Porta SMK 82, Simidur S1S
- All seven alloys are precious metal alloys
- They are biocompatible and corrosion resistant (biological certificates available).
- Since all alloys are copper-free, dark oxides are eliminated.
- All seven alloys can be veneered without slow cooling.
- Best aesthetics and cost-effectiveness.

+ REFLEX®

The veneering ceramic REFLEX® has a crack-free microstructure containing homogenously distributed fine leucite crystals.

Effects of this microstructure are:

- Extremely smooth, homogenous and plaque resistant surface
- Gingiva-friendly and kind to opposing teeth
- Chairside polishable
- High fracture strength
THE REFLEX® ASSORTMENTS

**REFLEX® STARTER SET**
Reference No. 8300150SET

Contains the V-shades:
A2 - A3 - A3,5 - B2 - B3 - C2 - C3 - D3

- 8 x Paste opaque 4 g each
- 8 x Dentine 20 g each
- 6 x Dentine modifier 20 g each
- 8 x Chroma dentine 20 g each
- 2 x Flu dentine 20 g each
- 2 x Incisal 20 g each
- 2 x Opale incisal 20 g each
- 3 x Shoulder High 20 g each
- 2 x Transpa 20 g each
- 3 x Stain 2 g each
- 1 x Glaze 2 g
- 1 x Correction 3 g
- 1 x Retain liquid 50 ml
- 1 x Speed liquid 50 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Paste opaque thinner 15 ml
- 1 x IsoPen
- 1 x Measure
- 2 x Shade guide

**REFLEX® ADD-ON SET**
Reference No. 8300160SET

Contains the V-shades:
A1 - A4 - B1 - B4 - C1 - C4 - D2 - D4

- 8 x Paste opaque 4 g each
- 5 x Paste opaque modifier 4 g each
- 8 x Dentine 20 g each
- 8 x Chroma dentine 20 g each
- 2 x Flu dentine 20 g each
- 2 x Incisal 20 g each
- 2 x Opale incisal 20 g each
- 3 x Shoulder High 20 g each
- 2 x Transpa 20 g each
- 3 x Stain 2 g each
- 1 x Glaze 2 g
- 1 x Correction 3 g
- 1 x Retain liquid 50 ml
- 1 x Speed liquid 50 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Paste opaque thinner 15 ml
- 1 x Shade guide
- 2 x Shade guide

**REFLEX® EXPERT SET**
Reference No. 8300170SET

- 1 x Paste opaque modifier, gum 4 g
- 5 x Dentine gum 20 g each
- 2 x Dentine modifier 20 g each
- 8 x Incisal modifier 20 g each
- 4 x Opale effect 20 g each
- 3 x Bleach dentine 20 g each
- 1 x Bleach flu dentine 20 g
- 1 x Bleach incisal, blue 20 g
- 1 x Bleach Shoulder High 20 g
- 6 x Shoulder correction 20 g each
- 1 x Bleach shoulder correction 20 g
- 7 x Stain 2 g each
- 1 x Retain liquid 50 ml
- 1 x carving liquid, blue 15 ml
- 1 x carving liquid, yellow 15 ml
- 1 x carving liquid, red 15 ml
- 2 x Shade guide

**REFLEX® STARTER POWDER SET**
Reference No. 830015PSET

The REFLEX® Starter Powder Set comprises the same components as the REFLEX® Starter Set except that the paste opaques and paste opaque thinner are replaced by:

- 8 x Powder opaque 15 g each
- 1 x Opaque liquid 50 ml

**REFLEX® ADD-ON POWDER SET**
Reference No. 830016PSET

The REFLEX® Add-on Powder Set comprises the same components as the REFLEX® Add-on Set except that the paste opaques, paste opaque modifier and paste opaque thinner are replaced by:

- 8 x Powder opaque 15 g each
- 5 x Powder opaque modifier 15 g each
- 1 x Opaque liquid 15 ml
**REFLEX® CLASSIC SPRAY OPAQUE SET:**  
Reference No. 8302130SET  
Contains the V-shades:  
A2 - A3 - A3,5 - B2 - B3 - C2 - C3 - D3.  
- 8 x Spray opaque  50 ml each  
- 1 x Foam pellets  pack of 10

**REFLEX® SPRAY OPAQUE ADD-ON SET (SUPPLEMENT):**  
Reference No. 8302140SET  
Contains the V-shades:  
A1 - A4 - B1 - B4 - C1 - C4 - D2 - D4:  
- 8 x Spray opaque  50 ml each  
- 1 x Foam pellets  pack of 10

**REFLEX® STAIN SET:**  
Reference No. 8300070SET  
- 16 x Stain  2 g each  
- 1 x Glaze  2 g  
- 1 x Stain and glaze liquid  50 ml  
- Measuring aid  
- 1 x Shade guide

* The REFLEX® Add-on Set supplements the REFLEX® Starter Set and completes the assortment.
Over recent years aesthetic restorations have become increasingly important for both patient and dental surgeon. However, it was often very impractical for ambitious dental technicians to achieve aesthetic restorations in everyday laboratory work. Until now perfect red-white aesthetics at the crown margin involved a very time intensive shoulder technique.

Press porcelains offer the ideal combination of rational work procedures and aesthetically high-quality dental restorations. Previously this technique was only suitable for a limited range of indications and full ceramic restorations needed complicated anchoring systems.

Through optimisation of the PressOver technique in combination with the development of PresX™, it is now possible to achieve high quality aesthetic restorations at an affordable price. This is in no small part due to the development work carried out by Sebastian Cornelissen – whose many years of experience with the Cordent Crown™ has fed into the development of PressX™.

The Cordent Crown™ is based on the question: why shouldn’t the dentine core be fabricated in wax together with the shoulder and then pressed into ceramic in just one press sequence? This saves a lot of time and produces a porcelain shoulder with a perfect margin that is stable during firing. The oxide ceramic or metal substructure ensures above average strength and can be cemented in the usual way. Even dental technicians with relatively little experience are able to master this technique. Ease of learning, the wide range of indications and sheer simplicity will make this technique routine in every dental laboratory for a long time to come.

So, from today this means for zirconium oxide and high-expanding alloys: „Press Over the Limits!“.
PRESSX™ PRESS CERAMIC SYSTEM

Easy, quick and accurate – advantages of the PressOver technique

- The PressOver technique combines the outstanding aesthetics of full ceramics with the stability of a conventional metal-ceramics or the benefits of AGC® electroforming.

- Both the dentine core and an accurate, stable ceramic shoulder can be produced in a single pressing, making the PressOver technique particularly economical.

PRESSX™ ZR

PressX™ ZR is an overpress ceramic whose physical and handling properties are ideally matched to the ZENO® Tec system and the ZIROX® veneering ceramic.

- And PressX™ ZR offers you all the advantages of the PressX™ philosophy, which means: the easy, fast and precise way to success.

The market launch of PressX™ ZR is set for IDS 2007.

TECHNICAL SPECIFICATIONS

Indication
PressX™ ZR is suitable for

- Overpressing full-ceramic frameworks (single crowns and three-element bridges) in ZrO₂ (zirconium oxide) with a CTE of 10⁻⁶ K⁻¹ (25 – 500 °C) when using the build-up and stain technique
- For the production of inlays, onlays and veneers without zirconium oxide substructures using the stain technique
- For overpressing zirconium oxide substructures, WIELAND recommends using PressX™ ZR with ZENO® Zr substructures.
- Compatible veneering ceramic: ZIROX®

PHYSICAL PROPERTIES

- PressX™ ZR has a high fracture strength of 125 MPa
- Press temperature: 1060 °C
PRESSX™ ZR ASSORTMENTS

■ BRIGHT SMILE SET
This set reproduces all the lighter classical Vita®, Crystal Bleach dentine and gingival shades using the build-up technique.

It contains:
■ 7 x Press pellets pack of 5
■ 3 x Crystal bleach press pellets pack of 5
  (crème – light – pearl)
■ 3 x Gum press pellets pack of 5
  (Gum1 – Gum2 – Gum3)
■ 1 x PressX™ ZR glaze  2 g
■ 1 x X Stain special liquid  15 ml
■ 1 x Soft Tray  12 cm³

■ NATURAL SMILE SET
This set reproduces all the Classical Vita® shades of the ZIROX® Starter Set and gingival shades using the build-up technique.

It contains:
■ 8 x Press pellets pack of 5
■ 3 x Gum dentine pellets pack of 5
  (Gum1 – Gum2 – Gum3)
■ 1 x PressX™ ZR glaze  2 g
■ 1 x X Stain special liquid  15 ml
■ 1 x Soft Tray  12 cm³

■ PRESS & STAIN SET
This set reproduces all the lighter classical Vita®, Crystal Bleach dentine and gingival shades using the stain technique.

It contains:
■ 4 x Press pellets (SHO-B – SHO-3) pack of 5
■ 4 x Stain press pellets (SLO-B – SLO-3) pack of 5
■ 8 x PressX™ ZR body stain  2 g each
■ 1 x PressX™ ZR glaze  2 g
■ 1 x X Stain special liquid  15 ml
■ 1 x Soft Tray  12 cm³

MILL AND PRESS!
The perfectly matched IMAGINE® PressX™ assortments completes the system. This innovative and economical product is a further addition to the range of HITEX™ porcelains available for high quality dental craftsmanship.

**TECHNICAL SPECIFICATIONS**
Compatible veneering ceramic: HITEX™

**General indications**
- PressOver AGC® crowns
- PressOver metal crowns, abutments and bridgework
- Full ceramic crowns
- Veneers
- Inlays and onlays
- Single tooth restorations on an electroformed substructure or cast single crowns, as well as single or multiple element bridgework with up to two pontics using the following alloys from WIELAND:
  - Porta PressOver (gold silver palladium alloy, strong, light yellow, Cu-free)
  - Simidur PressX™ (universal alloy, Cu-free, white, extra-strong, type 4)

**PHYSICAL PROPERTIES**
- IMAGINE® PressX™ has a high fracture strength of > 100 MPa
- Pressing temperature: 930 °C

**IMAGINE® PRESSX™ ASSORTMENTS**
Available from mid-April 2007

**IMAGINE® PRESSX™ SET:**
Reference No. 8200000SET

Contains
- 10 x Press opaque  12 g each
- 4 x HITEX™ inscisal  12 g each
- 2 x Opale inscisal 12 g each
- 3 x Incisal Modifier 12 g each
- 1 x Transpa Clear 12 g each
- 4 x Press pellets (LO 1-4) pack of 5
- 13 x Press pellets (MO AO-D2) pack of 5
- 4 x Stain 2 g each
- 1 x Glaze 2 g
- 1 x Press opaque liquid 50 ml
- 1 x Stain and glaze liquid 15 ml
- 1 x Individual firing tray 12 cm
- 2 x Shade guide

**IMAGINE® PRESSX™ SUNDRIES:**

- IMAGINE® PressX™ investment material
  Ref. No. 82-95-1000
- IMAGINE® PressX™ liquid
  Ref. No. 82-96-0500
- IMAGINE® Press disposable plungers
  Ref. No. 82-90-0006
DENTAL DIVERSITY BY WIELAND

FIRING OR PRESSING? WE HAVE ONE FURNACE FOR ALL PURPOSES.

The WIELAND Dental+Technik range includes ceramic furnaces from the Austromat product line. These furnaces have a long and successful track record and their manufacturer, DEKEMA, has expanded since the company was established in 1973 to become the world leader in ceramic furnaces. The robust design of these furnaces and their reliability of operation are second to none and have become a watchword for DEKEMA’s tradition of quality workmanship.

AUSTROMAT D4

This DEKEMA furnace is a state-of-the-art piece of equipment with an astounding array of features. It boasts high-performance 32-bit electronics and a colour monitor whilst a sophisticated program input assistance system and advanced sensor technology for monitoring the program parameters guarantee excellent results every time.

The Austromat D4 can store 200 individually programmable firing programs which are easy to configure and execute by means of the integrated program manager. The entire firing cycle, together with firing number, program name and estimated time remaining are all displayed on the colour monitor in the form of a graph, chart or table. The automatic self-test carried out by the 32-bit electronic system of the AUSTROMAT D series ensures perfect firing and maximum safety and reliability. The heating, holding and cooling phases which are preset in the default mode can be programmed freely in the professional mode.

DEKEMA AUTODRY:
The DEKEMA AUTODRY function simulates the temperature measurement at the workpiece and automatically regulates the distance from the firing chamber by means of the infinitely adjustable and vibration-free lift, a process which ensures the precision of the drying and cooling phases.

THE FURNACE IS EASY TO PROGRAM AND TO OPERATE:
The menu guides the user through a predefined program sequence with freely adjustable value ranges.
HIGHLIGHTS AT A GLANCE:

IT IS EASY TO CHANGE THE CURRENT PROGRAM:
A touch of a button is enough to modify the firing parameters of a program, even whilst it is running and if required, the program values can be stored.

AUTOMATIC SELF-TEST:
Internal test routines constantly monitor the temperature and vacuum during the program cycle.

CHECK PROGRAM:
There is an automatic diagnostic routine to determine the service intervals for all system components.

SETUP FUNCTIONS:
Setup functions allow the user to customise a wide range of options, for example display contrast, log printout, data recording on the computer, general code, temperature calibration, audible signal, data and time, identification, data transfer, update, fixed programs, language, screen saver, °C/°F option, battery change, diagnostic data, program printout, air tightness test and service functions for maintenance.

SOFTWARE UPDATE VIA MEMORY MODULES:
Plug-in modules are used for archiving the firing programs and to facilitate problem-free upgrades of the equipment software.

SCOPE OF SUPPLY:
AUSTROMAT D4 ceramic furnace, vacuum pump, firing table, furnace tongs, memory module, operating instructions, RS232 computer interface, software module on request.

TECHNICAL SPECIFICATIONS:
220 – 240 V or 110 – 120 V or 95 – 105 V, 50 – 60 Hz, max. 1450 W (incl. pump), 612 mm x 380 mm x 340 mm (height x width x depth), weight 17.5 kg (excluding pump)

AUSTROMAT 3001 PRESS-I-DENT
- THE PRESIDENT OF PRESS FURNACES -

Without making any compromises in terms of precision and reliability, a completely new electromechanical upward pressing system was developed on the basis of the AUSTROMAT 3001. Multiple pressings of different shades in a single operation and a unique degree of process reliability thanks to the automatic pressing time control system are further elements of this successful concept.

The AUSTROMAT 3001 Press-i-dent enables firing and pressing cycles to be programmed freely in any desired sequence without time limits. This totally unrestricted programmability feature makes all firing techniques possible.
PRODUCT FEATURES

The adjustable electromechanical feed system of the innovative APS upward pressing system dispenses with the need for a compressed air connection and opens up the way for a unique range of options. For example, you can press a number of different shades (currently up to 3) in the same operation with a single ring (ring system is not included as standard).

Considerably shorter cooling times back to the initial temperature are achieved by means of the new DEKEMA Quick Cool system, which can also be activated during the pressing sequence. In simple terms, this means faster cooling without the need to open the firing chamber. A pressing sequence can be started with or without a vacuum and the firing chamber can be filled with protective gas as required.

The closed insulating system, made possible by the upward pressing system, is your guarantee of excellent firing results in both high and low melting ranges.

The use of the traditional silver test ensures excellent reproducibility of results. A highly reliable and safe vacuum system is guaranteed by the exceptional quality of the AUSTROMAT 3001 Press-i-dent, as one would expect from DEKEMA.

SCOPE OF SUPPLY:
AUSTROMAT 3001 Press-i-dent ceramic furnace, vacuum pump, firing table, furnace tongs, operating instructions, RS232 computer interface.

TECHNICAL SPECIFICATIONS
220 – 240 V or 110 – 120 V or 95 – 105 V, 50 – 60 Hz, 1450 W (incl. pump), 710 mm x 385 mm x 285 mm (height x width x depth), weight 24.5 kg (excluding pump)