THE inLab SYSTEM AT A GLANCE

Different solutions that allow you to concentrate on the essentials: your individual requirements.

A decision in favour of CAD/CAM should be a decision in favour of inLab. The inLab system is tailored precisely to the requirements of dental laboratories. It handles more clinical indications, design techniques and materials than any other competing system. In addition, it can be upgraded flexibly in line with your requirements and financial resources. Put briefly, the inLab system offers you unrivalled flexibility.
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SYSTEMATIC SCANNING – The component inEos
The start of a successful working relationship.

A winner of the prestigious "reddot design award", the inEos dental scanner is a top performer in more ways than one. Its defining features are outstanding precision, fast scanning times and user-friendliness.

- Additional scanner doubles your milling output
- Allows you to scan a complete range of models (single-tooth, saw-cut and full jaw)
- Record scanning speed of 10 seconds
- No need for a duplicate plaster model
- Fast acquisition of the antagonists

SYSTEMATIC PRODUCTION – The components inLab AND inLab MC XL
We have borne one thing in mind, down to the last detail: the benefits for you.

The inLab system offers the right milling unit for every user. Thanks to its competitive price the inLab machine is the ideal entry-level model. The fast MC XL milling unit is the first choice for larger dental labs.

- Low-cost stepping stone to in-house CAD/CAM production
- Precise non-contact scanning system
- Tandem diamond burs for creating ultra-fine structures
- Continuous tool monitoring via “Soft Touch Control”
- Minimum tool wear thanks to the built-in water cooling system

SYSTEMATIC SOFTWARE – The component inLab 3D
In pursuit of limitless possibilities we go to the limits of what’s possible.

The inLab system caters for a unique spectrum of indications and materials – due not least to the capabilities of the inLab 3D software. Technology is advancing all the time. For this reason regular software updates are an integral part of the inLab concept.

- Broadest possible range of indications (from crown copings to manufacturers for abutments and materials: ceramics, composite and metal)
- Anatomically perfect results thanks to the biogeneric occlusal surface design of inlays and onlays
- Intuitive menu structure and graphic user interface
- Flexible purchase options: unlimited version or pay-per-unit system

With the help of the inLab 3D software you can design reduced bridge frameworks that automatically guarantee an optimum covering thickness – with a mouse click.

You mark the preparation margin with just a few mouse clicks and the software does the rest. The “biogeneric modelling function” is based on data acquired from thousands of natural teeth. The inLab 3D software modifies these database teeth until a perfect match is achieved with the intended tooth tissue.
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InLab – the entry-level model
- Linacre-sized stepping stone to in-house CAD/CAM production
- Precise non-contact scanning system
- Tandem diamond burs for creating ultra-fine structures
- Continuous tool monitoring via “Soft Touch Control”
- Minimum tool wear thanks to the built-in water cooling system

InLab MC XL – the professional machine
- Specially designed to meet the requirements of dental laboratories (high productivity)
- Gigantic capacity – caters for up to eight units and ceramic blocks measuring 85 x 40 x 22 mm (as from 2008)
- Four milling motors and virtual 5th axis
- Maximum precision (± 25 µm) irrespective of the indication and material
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With the help of the inLab 3D software you can design reduced bridge frameworks that anatomically guarantees an optimum veneering thickness – with a mouse click.

The software gives you a visual warning of any potential risk when you define the insertion axis. This makes it easy to handle complex bridge preparations for the complete satisfaction of your customers.

You mark the preparation margins with just a few mouse clicks and the software does the rest. The “biogeneric modeling function” is based on data acquired from thousands of natural teeth: The inLab 3D software modifies those database teeth until a perfect match is achieved with the intended tooth tissues.
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**SYSTEMATIC PRODUCTION** – The components inLab AND inLab MC XL

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The inLab system offers the right milling unit for every user. Thanks to its competitive price the inLab machine is the ideal entry-level model. The fast MC XL milling unit is the first choice for larger dental labs.

- **inLab** – the entry-level model
  - Linear-cost stepping stone for in-house CAD/CAM production
  - Priseless non-contact scanning system
  - Tandem diamond tools for creating ultra-fine structures
  - Continuous tool monitoring via "Soft Touch Control"
  - Minimum tool wear thanks to the built-in water cooling system

- **inLab MC XL** – the professional machine
  - Slightly designed to fulfill the requirements of dental laboratories (High productivity)
  - Gigantic capacity –ｖｏｔｅｒｉｆｕｙｕｐｔｏｆｉｖｅｕｎīｔｓａｎｄｃｅｒａｍｉｃｂｌｏｃｋｓｍｅａｓｕｒｉｎｇ65×40×22mm（asfrom2008）
  - Four milling motors and virtual 5th axis
  - Maximum precision (± 25 µm) irrespective of the indication and material
  - High-speed milling (e.g., a four-unit Zirconium Oxide bridge in 30 minutes)

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With the help of the inLab 3D software you can design reduced bridge frameworks that automatically guarantee an adherent veneering thickness – with a mouse click.

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**SYSTEMATIC MATERIALS PORTFOLIO – The components inCoris AND CEREC Blocs**


### inCoris ZI – zirconium oxide ceramic for high-strength bridge frameworks
- High-performance ceramic material available in five different shades
- Designed for long-span and fine-structured frameworks
- Fulfils the highest aesthetic requirements
- High fatigue resistance and fracture toughness
- Outstanding biocompatibility
- High sintered density and small particle size

### inCoris AL – aluminium oxide ceramic for competitively priced crown copings
- High-strength ceramic material for precise frameworks
- Outstanding biocompatibility
- Perfect aesthetics
- Suitable for dry-milling in a sintered state
- Ivory colour shade is ideal for the fabrication of telescope crowns

### CEREC Blocs – fine-structured feldspar ceramic for single-tooth restorations
- Enamel-like abrasion properties
- High level of translucency and pronounced “chameleon effect”
- Very easy to polish
- Diverse range of shades
- Also available as polychromatic blocks

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### SYSTEMATIC FLEXIBILITY – inLab AT A GLANCE

inLab sets new standards, not limits.

1. Four-unit ZiO framework
2. Merz Artegral Veneer
3. Framework-free ceramic crown (polychromatic)
4. Onlay
5. Inlay
6. Three-unit anatomical bridge for lost wax casting (CAD-Waxx)
7. Abutment for Straumann CARES
8. Five-unit cast non-precious metal framework (CAD-Waxx)
9. Three-unit anatomical temporary bridge (CAD-Temp)
10. Cast gold crown (CAD-Waxx)

### SYSTEMATIC SINTERING – The component inFire HTC

Its program for success? Lots of programs.

- inFire HTC – the cost-effective sintering furnace
- Program presets for all inLab sintered ceramics
- 3+1/1 anatomical length (starting point)
- Economical overnight sintering
- Compact, space-saving design

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<table>
<thead>
<tr>
<th>Hardware components</th>
<th>Indication</th>
<th>Laboratory production</th>
<th>Combined production</th>
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<tbody>
<tr>
<td>inLab MC XL</td>
<td>F1</td>
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<tr>
<td>inLab MC XI</td>
<td>F2</td>
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<tr>
<td>inLab MC XL</td>
<td>F3</td>
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<tr>
<td>inLab MC XI</td>
<td>F8</td>
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</tbody>
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**Please note:** The shades shown here are not binding.
SYSTEMATIC MATERIALS PORTFOLIO – The components inCoris AND CEREC Blocs


inCoris ZI – zirconium oxide ceramic for high-strength bridge frameworks

- High-performance ceramic material available in five different shades and designed for long-span and fine-structured frameworks
- Fulfils the highest aesthetic requirements
- High fatigue resistance and fracture toughness
- Outstanding biocompatibility
- High sintered density and small particle size

inCoris AL – aluminium oxide ceramic for competitively priced crown copings

- High-strength ceramic material for precise frameworks
- Outstanding biocompatibility
- Perfect aesthetics
- Suitable for dry-milling in a sintered state
- Ivory colour shade is ideal for the fabrication of telescope crowns

CEREC Blocs – fine-structured feldspar ceramic for single-tooth restorations

- Enamel-like abrasion properties
- High level of translucency and pronounced “chameleon effect”
- Very easy to polish
- Diverse range of shades
- Also available as polychromatic blocks

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4. Onlay
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6. Three-unit anatomical bridge for lost wax casting (CAD-Waxx)
7. Three-unit anatomical bridge (CAD-Temp)
8. Cast gold crown (CAD-Waxx)
9. Five-unit cast non-precious metal framework (CAD-Waxx)
10. Three-unit anatomical temporary bridge (CAD-Temp)

Material:
- Aluminium oxide
- Zirconium oxide
- Infiltration ceramics
- Metal
- Disilicate ceramic
- Composite materials

Indications:
- Crown copings
- Bridge frameworks
- Inlays/onlays
- Framework-free crowns
- Wax-up
- Temporaries (crowns and bridges)
- Mesostructures for abutments

SYSTEMATIC SINTERING – The component inFire HTC

Its program for success? Lots of programs.

1. Maximum block size 85 x 40 x 22 mm (as from 2008)
2. Up to a maximum anatomical length of 40 mm
3. For Straumann CARES, activated in selected countries
4. CAD-Waxx followed by metal casting
5. Three-unit anatomical bridge for fast wax casting (CAD-Waxx)
6. Three-unit anatomical bridge (CAD-Temp)

Hardware components:

- inLab
t- inLab MC XL
t- inEos
t- inFire HTC

Software:

- Straumann CARES

Applications:

- Crown copings
- Bridge frameworks
- Inlays/onlays
- Framework-free crowns
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SYSTEMATIC SINTERING – The component inFire HTC

Its program for success? Lots of programs.

inFire HTC – the cost-effective sintering furnace
- Program presets for all inLab sintered ceramics
- Outstanding freedom of choice regarding framework material
- High level of reproducibility
- Economical overnight sintering
- Compact, space-saving design

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**SYSTEMATIC MATERIALS PORTFOLIO – The components inCoris AND CEREC Blocs**

**Top performance. Top dependability. Top-quality ceramics.**

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- Inlay
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- Three-unit anatomical permanent framework (CAD-Waxx)
- Three-unit anatomical temporary bridge (CAD-Temp)
- Cast gold crown (CAD-Waxx)

**SYSTEMATIC SINTERING – The component inFire HTC**

- Its program for success? Lots of programs.

- **inFire HTC – the cost-effective sintering furnace**
  - Program presets for all inLab sintered ceramics
  - Clearly structured display and easy-to-use menus
  - Economical overnight sintering
  - Compact, space-saving design

**SYSTEMATIC GROWING – The component inFire HTC**

- Its program for success? Lots of programs.
SIRONA – UNIQUE WORLDWIDE SYSTEMS EXPERTISE IN DENTAL EQUIPMENT PRODUCTS

Sirona develops and manufactures a comprehensive range of dental equipment, including CAD/CAM Systems for dental practices (CEREC) and laboratories (inLab), Instruments and Hygiene Systems, Treatment Centers and Imaging Systems. Sirona manufactures high-technology products that guarantee ease of use and a high return on investment – for the good of your practice and for the benefit of your patients. In this way, you can approach every challenge that you face, confident in the knowledge that it will be a great day with Sirona.

THE inLab SYSTEM AND ITS COMPONENTS
Your stepping stones to success.
Sirona – unique worldwide systems expertise in dental equipment products

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The inLab System and its components

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