



Products & Innovations

# Clinical Excellence — Now and into the Future



## Digital and Appliance Innovation

Learn how a full digital workflow can provide better patient outcomes and how appliance innovations can enhance treatment. We will be introducing these exciting new innovations during 2014 (dependent on individual countries).

### 3. Digital Setup Lab

Highly precise Digital Setups are produced by 3M technicians.



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### 2. Unitek™ Treatment Management Portal

Ordering software leads you conveniently through the process.



**Available  
September  
2014**

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### 1. 3M™ True Definition Scanner\*

Take your impressions for the Incognito™ System digitally



**Coming  
Soon**

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\* Not available in all countries

# Digital Workflow precise Treatment Results



### 10. Quality Assurance and Shipping

Strict quality control measures are taken at each stage of the manufacturing process. Before shipping, a final quality check is carried out.



### 9. Archwire Bending

Custom archwire geometry is determined by the CAD/CAM software.

#### 4. Unitek™ Treatment Management Portal

View, evaluate and approve Setups in 3D.



Available  
September  
2014

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#### 5. Computer-Aided Bracket Design

Customised bracket pads and bases are designed on the lingual surface of the digital model.



#### 6. Bracket Manufacturing

The brackets are precision made in a gold alloy, using a multi-step process.



#### 7. Incognito™ Clear Precision Tray

This highly precise bonding tray is produced directly from digital data eliminating manual steps.

Available  
April 2014



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#### 8. 3D Printed Models

There is an option to order a 3D Setup Model and/or Malocclusion Model.



Available  
April 2014

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Full  
digital  
workflow  
to  
see  
treatment  
results

**Now Available !**



# Digital Setup Lab

## High Precision

### It's Your Setup!

Highly precise Digital Setup Lab (DSL) is the essential foundation for a good treatment result. DSL is 3M Unitek proprietary software, designed by an interdisciplinary team of orthodontists, technicians and software engineers.

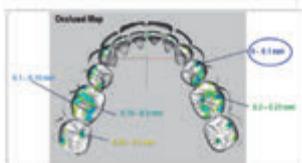
### Today you can use the advantages of Digital Setup Lab

- View your cases in 3D with the 3D PDF
- Use overlay function to get an idea about tooth movements comparing malocclusion and Setup as well as the gingival relationship
- Leverage Digital Tools to assess models in detail, such as zoom and rotation
- Share the models wherever you need them, e.g. with your patients
- Going Digital saves storage space and resources!

Specifically trained and highly skilled 3M technicians use this software to create the Digital Setup for the Incognito™ Appliance System based on Doctor's treatment plans.



Overlay



Occlusal map



Virtual Articulator

#### DSL Tools

- Overlay function ...see the tooth movements
- Occlusal map ...see the occlusal contacts on the Setup upper and lower jaw
- Zoom function ...see contact points in greater detail
- Rotation function ...see tooth position from different angles
- Stripping function ...use the stripping values given by the doctor
- Spaces ... provide the space that is specified in the Setup description
- Arch form ... create a symmetric arch form
- Virtual Articulator ...define the occlusion relationship

#### allow the technician to precisely...

...see the tooth movements

...see the occlusal contacts on the Setup upper and lower jaw

...see contact points in greater detail

...see tooth position from different angles

...use the stripping values given by the doctor

... provide the space that is specified in the Setup description

... create a symmetric arch form

...define the occlusion relationship

Now Available!

# 3D Printed Models

**Order form Models**

**Incognito**

Please submit the complete order form via post to the  
+49 09302 - 9459 - 076

Customer Name: \_\_\_\_\_  
 Street: \_\_\_\_\_  
 Address for Postal: \_\_\_\_\_  
 Zip Code: \_\_\_\_\_

**3M Division for Longwellbach GmbH  
 & 3M Company  
 Schindlerstrasse 21  
 49112 Bad Iden  
 Germany**

Please send the following models:

Order #	Description	Quantity	Price
001000001	3D Printed Malocclusion Model Upper Arch	1	100,000
001000002	3D Printed Malocclusion Model Lower Arch	1	100,000
001000003	3D Printed Malocclusion Model Upper Arch Transfer Arch	1	100,000
001000004	3D Printed Setup Model Upper Arch	1	100,000
001000005	3D Printed Setup Model Lower Arch	1	100,000
001000006	3D Printed Setup Model Upper Arch Lower Arch	1	100,000

Number of models to be printed:

Make a note on the order form if you have any questions.



Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

**3M Division for Longwellbach GmbH  
 & 3M Company  
 Schindlerstrasse 21  
 49112 Bad Iden  
 Germany**

**3M Unitek**

## Models needed?

Now, in addition to receiving a digital model, we're pleased to offer you the opportunity to order a 3D Printed Model. Using cutting edge technology, we can create for you an exquisite, 3D Printed Model directly from digital data.

3D Printed Models from Setup or Malocclusion can be ordered directly with the case or at any time during or after the treatment.



3D Printed Setup Model

3D Printed Malocclusion Model

Available  
September 2014

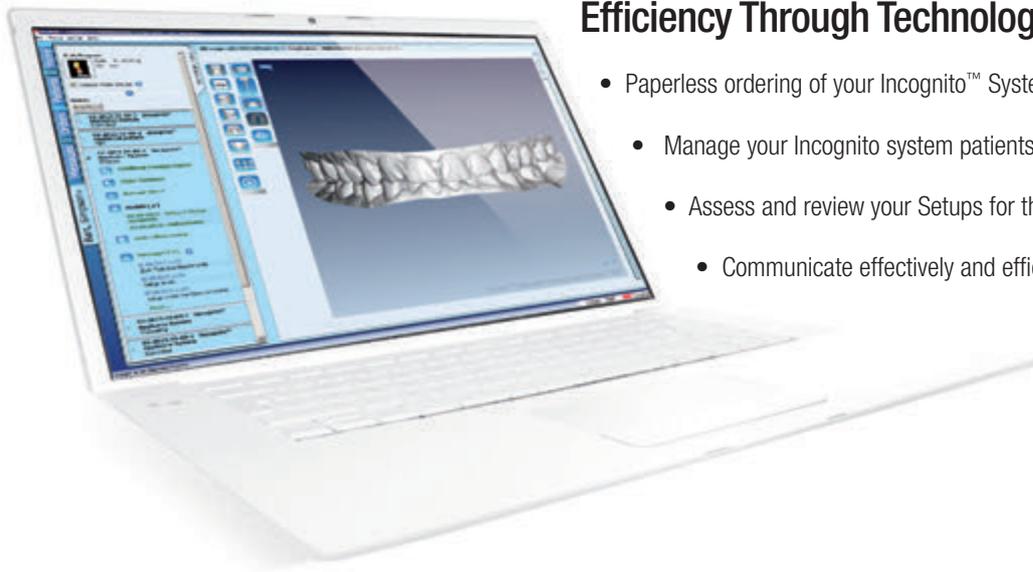
# Digital Management for lingual Treatment

3D model  
analysis



## Digital Treatment Management

Treatment Management Portal (TMP) is an advanced orthodontic software platform for entering your treatment plan and efficiently ordering the 100% customised Incognito™ Appliance System. Unitek TMP brings the power of technology to your fingertips by providing high-quality 3D digital models.



### Efficiency Through Technology

- Paperless ordering of your Incognito™ System cases
- Manage your Incognito system patients and cases
- Assess and review your Setups for the Incognito system in 3D
- Communicate effectively and efficiently with the 3M Unitek lab

Through advanced technology, Unitek™ Treatment Management Portal provides you with the opportunity to streamline your treatment planning and maximise office efficiency.

## Order Sheet

Now bracket and wire selection is visualised to give a more precise idea about the ordered appliance. Case submission is simplified and convenient.



## Powerful Interface for High-Quality 3D Setup Review

For all cases submitted via Unitek TMP, a graphic interface allows you to review and analyse the Setup of your case, and provides a high quality 3D model with easy-to-navigate controls. Powerful and unique graphic interface enables you to view and rotate the Setup and Malocclusion simultaneously.

## Overlay of Malocclusion and Setup

Overlays provide valuable information about tooth movements to enable better outcomes and enhanced patient satisfaction. This powerful tool lets you see exact tooth movements using the overlay function to compare Malocclusion and Setup. It also lets you see tooth movements in the Setup relative to the gingiva.

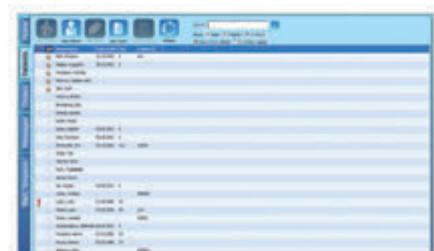


## Analysis Tools

Unitek TMP features tools for precise model analysis, such as point-to-point measurements, Bolton analysis, arch length, overbite and overjet.

## Confidence Through Connectivity

The advanced messaging system within Unitek TMP allows users to directly interact with the 3M Unitek Customer Service Centre. This revolutionary messaging platform acts as a conduit between your practice and 3M Unitek, conveniently storing all communication with your case data.



Coming Soon !

extraordinary detail

# Enter the Digital World with Proven Accuracy



## Allows you to move into digital orthodontics with ease

Accurate. Precise. The 3M™ True Definition Scanner supports open STL (STereo Lithography) files, so you can work with your orthodontic lab, or share files with other trusted partners for expanded clinical solutions.

Because your digital impressions are generated by 3M's 3D-in-motion video technology, they'll feature extraordinary detail with high accuracy, providing the best basis for 100% customised Incognito™ Appliances.

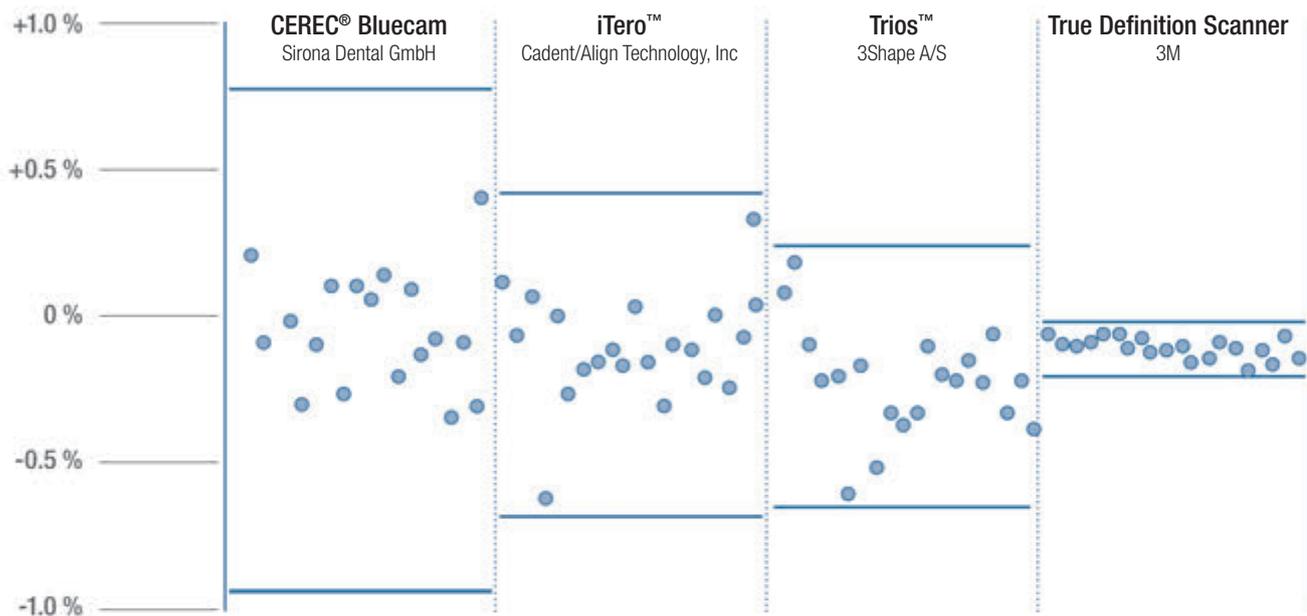
[www.3MUnitek.com/TrueDefinition](http://www.3MUnitek.com/TrueDefinition)



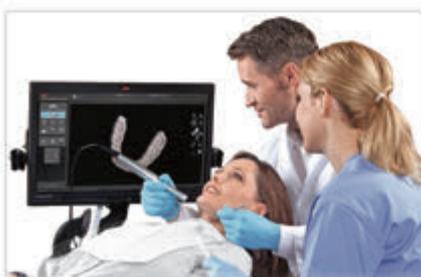
## Accuracy Measurements of Intra-Oral Scanners

In a head-to-head University study comparing intraoral scanners<sup>10</sup>, the 3M™ True Definition Scanner was found to be more accurate and more consistently accurate than leading systems<sup>10</sup>.

The powerful 3M True Definition 3D-in-motion video technology provides a true replica of dental anatomy, allowing you to capture and simultaneously view in extraordinary detail.



<sup>10</sup> Accuracy defined as distances measured across a full arch compared against a precise reference model.



### The 3M™ True Definition Scanner platform features

- Lightweight, ergonomic, intraoral scanning wand ideally balanced to feel comfortable in the hand
- HP® Workstation with a high-performance central processing unit (CPU) and touch-screen display
- 3M™ Connection Centre – secure, cloud-based, digital hub that accommodates impression file storage and connection to the Incognito™ Appliance System Lab
- Streamlined rolling cart for easy transport

# Incognito™ Appliance Support

With certified specialists and patients all having individual requirements, we understand that the journey is best when you are not alone. That's why we are proud to offer a considerable support network for the Incognito™ Appliance Systems, to make it as seamless and rewarding as possible.

## Top-Service Customer Services

Our committed Top-Service customer service team are here to provide information, guidance and advice.

### Contact Top-Service Customer Services:

Telephone: +49 5472 9491 289

Fax: +49 5472 9491 276

email: [ihenrich@mmm.com](mailto:ihenrich@mmm.com)

### Clinical Advice

Telephone: +49 5472 9491 114

Fax: +49 5472 9491 276

email: [gjeworski@mmm.com](mailto:gjeworski@mmm.com)

## Incognito Marketing Team

From website support and advice to ensuring your practice has all the tools to help your patients say 'Yes'. The Incognito Marketing Team has a wide range of resources for you to use.

## Incognito Sales Team

Offering visits to your practice, educational lunch-and-learns and always there at the end of the phone, our team are out there with you whenever you need them. For your local 3M Unitek Representative contact information please call 0845 873 4066.

## Contact Incognito Marketing Team

Telephone: 01509 613077

Fax: 01509 613172

email: [3MUnitekUK@mmm.com](mailto:3MUnitekUK@mmm.com)

## Newly updated Incognito Lab Order Forms

Featuring all the new and available Incognito Appliance innovations you can now download the updated Incognito™ and Incognito™ Lite Appliance Lab Order forms from: [go.3M.com/LOF](http://go.3M.com/LOF)

### References

1. 3M Unitek claims DB "Incognito Clear Precision Tray: Combined overall deviation of brackets positioned with the Clear Precision Tray is better than the deviation achieved with trays manufactured with manual positioning." S10744, 04/2014
2. 3M Unitek Data on File. 'Global Customer Acceptance Evaluation for Application of 3M™ ESPE™ RelyX™ Unicem 2 Automix Self-Adhesive Resin Cement with the Incognito™ Appliance System'. Conducted 2013. Information Available Upon request from Top-Service für Lingualtechnik GmbH.
3. 3M Unitek Data on File. 'Global Customer Acceptance Evaluation for Incognito™ Appliance System Low Profile Posterior Brackets'. Conducted 2013. Information Available Upon request from Top-Service für Lingualtechnik GmbH.
4. 3M Unitek claims DB "Incognito Low Profile Brackets: With the new Low Profile Incognito System Bracket, the wires on average move 60% closer to the tooth." S1072, 04/2014
5. 3M Unitek claims DB "Incognito Low Profile Brackets: Moving the wire closer to the tooth reduces the lever arm, leading to better biomechanics." S10722, 04/2014
6. 3M Unitek claims DB "Forsus Correctors are an aesthetic means of correcting Class II, as the entire device is contained inside the mouth, located in the posterior of the mouth, without making any significant bulges in the cheeks." S10265, 08/2008
7. 3M Unitek claims DB "Forsus Correctors do not prevent patients from opening their mouths as wide as they are able to naturally." S10274, 08/2008
8. 3M Unitek claims DB "Forsus Correctors facilitate good hygiene; the open-coil spring design allows food to be brushed out of the device easily." S10264, 08/2008
9. 3M Unitek claims DB "The plate that holds the clips and the springs of the Forsus™ Correctors EZ2 Modules together has a higher weld strength than the ball pin that held the original clips and springs of the Forsus EZ Module together." S10276, 08/2008
10. Study methodology described in van der Meer WJ. et al (2012). Application of Intra-Oral Dental Scanners in the Digital Workflow of Implantology. PLoS ONE 7(8):e43312. doi: 10.1371/journal.pone.0043312. Additional measurements conducted by ACTA (Academic Center for Dentistry Amsterdam); Wicher J., van der Meer WJ. et al (2012). Publication pending.



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