CA
DIGITAL

ONE SCAN -
ALL POSSIBILITIES

CA DIGITAL -
Precision made in Germany

CA DIGITAL is a Subsidiary of SCHEU-DENTAL GmbH, which was founded over 90 years ago by Rudolf Scheu, providing dental products with highest quality and precision. Now in third generation, Christian Scheu, CEO of SCHEU-DENTAL, founded CA DIGITAL back in 2011, together with his Co-Founder Dr. Yong-Min Jo, CEO of CA DIGITAL, to further fulfill the demand for digital solutions for their aligner product CA® CLEAR ALIGNER.

Now 4 years later, CA DIGITAL evolved from one digital treatment solution to an unique digital provider in orthodontics. Their services include open, integrated digital work flows, patented 3D CAD-CAM Software, digital treatment solutions and innovative retention solutions.

[illegible]

[illegible]

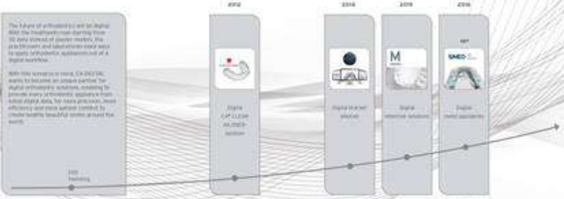
OUR VISION

CA DIGITAL -
OUR VISION

The future of orthodontics will be digital. With the treatments now starting from 3D data instead of plaster models, the practitioners and laboratories need ways to apply orthodontic appliances out of a digital workflow.

With this scenario in mind, CA DIGITAL wants to become an unique partner for digital orthodontic solutions, enabling to provide every orthodontic appliance from initial digital data, for more precision, more efficiency and more patient comfort to create healthy beautiful smiles around the world.

CA DIGITAL -
THE DIGITAL INNOVATOR

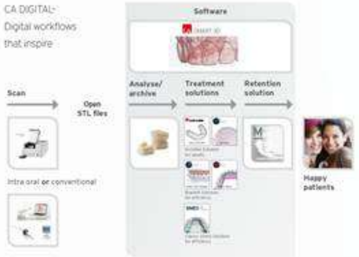


CA DIGITAL - THE INDISPENSABLE PARTNER IN DIGITAL ORTHODONTICS

DIGITAL TREATMENT SOLUTIONS
DIGITAL RETENTION SOLUTION
DIGITAL ARCHIVING

ONE SCAN -
ALL POSSIBILITIES

CA DIGITAL-
Digital workflows
that inspire



Software

Scan

Open STL files

Intra oral or conventional

Analyse/ archive

Treatment solutions

Retention solution

Happy patients

CA DIGITAL -
The treatment & retention solutions

Invisible Solutions for adults

Bracket Solutions for efficiency

Classical Ortho Solutions for efficiency

Retention Precision for lifelong preservation of beautiful smiles

CA DIGITAL

CA CLEAR ALIGNER

FOR A BEAUTIFUL SMILE
IN EVERY SITUATION

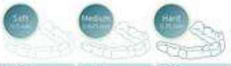
www.ca-clear-aligner.com

CA® CLEAR Aligner is an effective aligner therapy customized to meet the patient's specific needs. Step-by-step planning in your clinic gives you complete treatment control. Get the benefit of aligners digitally fabricated.

The 3-Aligner-System.

We provide you with unique patient models in anatomical colour made by 3D printing, which will help you to convince your patients. You can fabricate CA® Clear Aligner in your own laboratory using these printed models, thus adding value to your business.

Three material thicknesses, each used a period of four weeks for a unique and beautiful smile. In each treatment step, the patient wears three aligners of different thicknesses. Thanks to the steady increase in pressure, the teeth are aligned effectively, yet gently and with extraordinary comfort. The special aligner design with additional covering of the gingival margin [illegible] increases force transmission, providing even more effective treatment.



The 3-Aligner-System –
up to 3 steps with
1 impression

CLEAR ALIGNER

CLEAR ALIGNER
by CA DIGITAL

STEP 1
STEP 2
STEP 3
Soft
Medium
Hard
Hard

CA® CLEAR ALIGNER ADVANTAGES

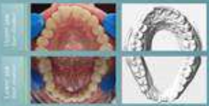
- Clinically proven - Teeth correction based on the clinical CA® protocols by Dr. Pablo Echarri
- Treatment corrections are possible at any time
- Individual cooperation: choose full or only partial services
- Precise, digital 3D technology for planning and set-up
- Tooth movement up to 1 mm per month
- The choice is yours – STL data or models

- Short treatment time - 3 different material thicknesses and intelligent design for faster treatment results.

CLEAR ALIGNER
by CA DIGITAL

Fewer steps to achieving your desired outcome. Up to 1 mm tooth movement per month.

Among all aligner systems, CA® CLEAR Aligner enables the greatest tooth movement per step. Different material thicknesses and an intelligent design mean that the expected outcome can be achieved faster.



[illegible] www.ca-clear-aligner.com [illegible]

Benefit from the advantage of VECTOR® 40 pre treatment in your own laboratory for quick transverse expansion and in a reduction of necessary treatment steps.

CLEAR ALIGNER
by CA DIGITAL

Treatment procedure with the digital CA® CLEAR ALIGNER system

Step 1 Preliminary consultation with the patient & impression/scan
Step 2 Laboratory scanning of the plaster model
Step 3 Online order, upload STL file
Step 4 Receipt of prognosis
Step 5 Discussion with the patient
Step 6 Approval of the Prognosis
Step 7 Receipt of the Aligners of the 3D printed model
Step 8 Patient treatment

CLEAR ALIGNER
by CA DIGITAL

www.individua.com

INDIVIDUA®
DIGITAL INDIRECT BONDING

INDIVIDUA® INDIRECT BOND is a digitally planned treatment system in which the virtually planned bracket position is transferred to the patient's mouth by a precise indirect bonding tray.

INDIVIDUA® - DIGITAL INDIRECT BONDING

	MANUAL BOND	INDIRECT BOND	INSTANT BOND	SET UP BOND *	LINGUAL BOND
3D SCAN SERVICE		●	●	●	●
DIGITAL BASES		●	●	●	●
DIGITAL ARCHIVE MODEL		●	●	●	●
VIRTUAL BRACKET PLACEMENT		●	●	●	●
PLASTIC-COATED BRACKETS			●	● optional	
3D SET UP				●	●
INDIVIDUAL WIRES				● optional	
CUSTOMIZED BRACKETS					●
LINGUAL					●
MANUAL BRACKET PLACEMENT	●				

* Coming soon

INDIVIDUA®
KEY BENEFITS

COMFORTABLE FOR PRACTITIONER AND PATIENT
- Short mouth opening time
- Easy clinical application
- Fast treatment results

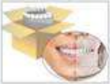
CLINICAL EFFECTIVENESS
- Only 4 minutes' bonding per jaw
- Multi tray and single tray application possible
- No excess resin around the bracket
- Best stability
- No bracket loss while bonding

HIGH-PRECISION DIGITAL PLANNING
- More exact treatment with precise digital bracket positioning using advanced 3D technology

INEXPENSIVE
- Low material costs
- Use your own materials

INDIVIDUA® - INDIRECT BOND
DIGITAL POSITIONING + INNOVATIVE TRAY

INDIVIDUA® INDIRECT BOND is a digitally planned treatment system in which the virtually planned bracket position is transferred to the patient's mouth by a precise indirect bonding system. The transfer of the virtual planning to the patient's mouth is realized with the INDIVIDUA® tray, the innovative tray produced with latest 3D printing technology.



1. Sending the plaster models or files to CA DIGITAL

2. Receipt of the INDIVIDUA® report

3. Corrections/confirmation by the orthodontist

4. Receipt of the trays incl. brackets

5. Application of the INDIVIDUA® Tray

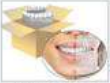
6. Successful therapy

INDIVIDUA® - INSTANT BOND

DIGITAL POSITIONING + INNOVATIVE TRAY + PRE-COATED BRACKETS

INDIVIDUA® INSTANT BOND - with this innovation, INDIVIDUA® combines the INDIRECT BOND System with pre-coated brackets (for instance 3M™ Unitek, APC™ Flash Free brackets).

Now the steps "apply adhesive" and "remove excess/flash" are unnecessary with the new combination solution. Maximum optimization of the workflow, digital precision bonding and fastest bonding time can be realized. The brackets are already included and pre-coated. Consequently, the orthodontist only has to place the tray on the patient's teeth and cure the composite.


1. Sending the plaster models or files to CA DIGITAL

2. Receipt of the INDIVIDUA® report

3. Corrections/confirmation by the orthodontist

4. Receipt of the trays in a opaque box

5. Application of INDIVIDUA® tray with pre-coated brackets

6. Successful therapy with pre-coated brackets

INDIVIDUA INSTANT BOND
by CA DIGITAL

INDIVIDUA® - LINGUAL BOND

DIGITAL LINGUAL 3D SET-UP + In-Ovation L mtm, Dentsply GAC + INNOVATIVE TRAY

INDIVIDUA® LINGUAL BOND is a lingual treatment system for use in the anterior region. The treatment plan includes an individual 3D set-up of the patient's situation.

After the pre-planning, the In-Ovation L mtm brackets from Dentsply GAC are ideally placed and transferred to the digital malocclusion. The customer receives the INDIVIDUA® lingual tray, which enables him to bond all the teeth for lingual treatment in just one step in the initial situation.

1. Digital initial situation

2. Digitally planned 3D set-up

3. Bracket position transferred to the initial situation

4. INDIVIDUA® lingual tray incl. In-Ovation L MTM, Dentsply GAC

5. Situation after bonding the brackets

6. Clinical intermediate step shortly before debonding

INDIVIDUA LINGUAL BOND
by CA DIGITAL

INDIVIDUA® - SET-UP BOND

DIGITAL 3D SET-UP + INDIVIDUAL WIRE + TRAY

COMING SOON!

INDIVIDUA® SET-UP BOND is a treatment system employing the backward planning approach for a multibracket therapy. A digital, individual 3D set-up (simulation of the treatment effect) is planned before the treatment. The simulation makes it possible to adjust the wires to the specific situation of the patient and to bend them individually. Here too, the virtual planning is transferred to the patient's clinical situation using the innovative INDIVIDUA® trays.

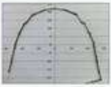
1. Initial situation

2. Digital 3D set-up

3. Bracket positioning

4. Digital 3D set-up with customized wire

5. Bracket position transferred to the initial situation


6. Machine fabricated wire

INDIVIDUA SET-UP BOND
by CA DIGITAL

INDIVIDUA® - MANUAL BOND

MANUAL POSITIONING + INNOVATIVE TRAY

INDIVIDUA® MANUAL BOND is the effective, economic and efficient alternative to the digital solution. The trays are individually produced by our own technicians in our laboratory.

Precise transfer, shorter chairside time:
The INDIVIDUA® system guarantees precise transfer and reduces chairside time during the bonding procedure. Thanks to the special tray structure, surplus resin will not affect the gingival margin, thus reducing the risk of gingival irritations.

Reusable as a single tray:
If a bracket is lost, the corresponding tooth segment is cut off the tray and reused as a single tray. The bracket will be inserted in this single tray and bonded as usual.

1. Manual measuring

2. Manual bracket positioning

3. Production of the tray and insertion of the brackets

4. Customer receives the trays incl. brackets

5. Application of the INDIVIDUA® tray

6. Successful therapy

INDIVIDUA MANUAL BOND
by CA DIGITAL

CLINICAL
APPLICATION

by CA DIGITAL

Preparation of the patient

1. Cleaning the tooth surface

[illegible]

2. Conditioning of the tooth surface

[illegible]

3. Isolation of the oral cavity

[illegible]

4. Applying the primer (bonding agent)

[illegible]

Indirect bonding with INDIVIDUA®

Placing the brackets

1. Applying adhesive to the bracket base

[illegible]

2. Smoothing the adhesive on the bracket base

[illegible]

3. Placement of trays

[illegible]

4. Removal of excess adhesive

[illegible]

5. UV curing

Cure the adhesive with a high-power LED lamp. Always check the required curing time for the system used.

6. Tray removal

[illegible]

7. End result

Now all the brackets are fixed and you can proceed with your orthodontic treatment.

DIGITAL
WORKFLOW

by CA DIGITAL

INDIVIDUA® WORKFLOW

SIMPLE IN USE,
PRECISE IN RESULT!

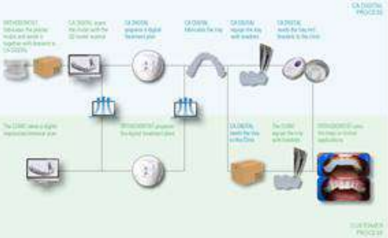
Send us your brackets and plaster models and we do the digital planning and the bracket positioning for you. When you receive our INDIVIDUA® report, you can make virtual changes yourself using the CA DIGITAL software.

Do you own a 3D or intraoral scanner?

Save time and money by sending us your 3D data via the online shop on our website. The CA DIGITAL software CA SMART 3D enables you to plan and digitally position the brackets yourself.

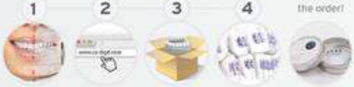
After confirmation of the final positioning, you will receive the trays for quick and effective indirect bonding.

DIGITAL PROCESS FLOW WITH INDIVIDUA®


CA DIGITAL PROCESS
ORTHODONTIST fabricates the plaster models and sends it together with brackets to CA DIGITAL
CA DIGITAL scans the model with the 3D model scanner
CA DIGITAL prepares a digital treatment plan
CA DIGITAL fabricates the tray
CA DIGITAL equips the tray with brackets
CA DIGITAL sends the tray incl. brackets to the clinic
The CLINIC takes a digital impression/intraoral scan
ORTHODONTIST prepares the digital treatment plan
CA DIGITAL sends the tray to the clinic
The CLINIC equips the tray with brackets
ORTHODONTIST uses the trays in clinical applications
CUSTOMER PROCESS

GETTING STARTED
WITH INDIVIDUA®

by CA DIGITAL



Impression/Scan	Ordering	Sending	Report	Sending
Either: you can take an impression and make a plaster model. **or:** you can make a scan in STL format. **Note:** [illegible]	Please order the trays via your customer account on our website. You can also upload your STL files here. Visit **www.ca-digit.com** and go to **"CA DIGITAL ONLINE ACCOUNT/LOGIN"**	If you want to send us plaster models, please send the parcel to the CA DIGITAL shipping address, which you can find on the website. **www.ca-digit.com** Please label the models and put the same information in your order.	You will receive the treatment plan for approval by e-mail or via the CA DIGITAL software.	You will receive the trays within 10 business days from receipt of the model and order if you are located in Germany. The shipping time may vary for other countries. **Note:** All parcels shipped by CA DIGITAL are insured and can always be localized using the tracking number.

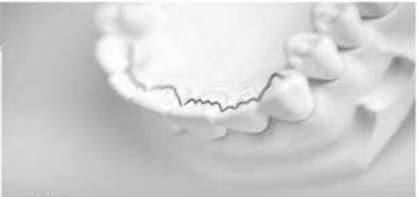
MEMOTAIN®
by CA DIGITAL

www.memotain.com

MEMOTAIN®
STRAIGHT TEETH FOR A LIFETIME

MEMOTAIN®, the new CAD/CAM retainer, offers the highest precision, best fit and optimal user comfort. The latest technologies enable to produce Nitinol lingual retainers which precisely fit the individual patient situation due to the exact digital planning.

MEMOTAIN®
by CA DIGITAL



MEMOTAIN®
Straight teeth for a life time

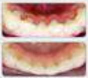
COMPARISON
In contrast to hand bent conventional steel lingual retainers, the Memotain® retainer is made from Nitinol® and adapted by computer to fit the patient's particular tooth shape. The teeth are bend dynamically. The retainer is machine-fabricated, so the wire is not bent and thus not weakened. Predetermined breaking points are actually eliminated. Therefore, we provide a 24 month breakage warranty.

BENEFITS
- Absolute precision fit due to the computer-controlled production
- Maximum comfort
- Better mouth hygiene, suitable for dental floss
- Precise positioning
- Especially suitable for treatment of the upper jaw
- 24 month warranty for material failure
- Faster placement
- Durability
- Less follow-up treatment required
- Memory Metal Nitinol®

MEMOTAIN®
by CA DIGITAL

COMPARISON

Conventional Retainer

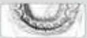


MEMOTAIN® Retainer

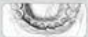
PATIENT´S SITUATION

The teeth move all your life. Over time more than 50% of the population have front crowding.

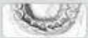
Harmony
Fully developed dental arch



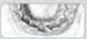
Phase I
Slight crowding



Phase II
Medium crowding



Phase III
Severe crowding



TREATMENT OPTIONS

Correction of malocclusion, for example with aligners, and then stabilisation with MEMOTAIN® Retainer.

Or stabilisation of your current occlusion with a MEMOTAIN® Retainer.

ORAL HYGIENE

Cutting-edge technologies create the conditions for the optimal oral hygiene.

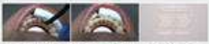
MEMOTAIN® provides the basis for avoiding contact point caries, periodontosis and tartar formation are avoided.

Dental floss can be used both above and under the MEMOTAIN® Retainer.

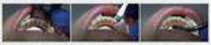
MEMOTAIN®
by CA DIGITAL

CLINICAL APPLICATION

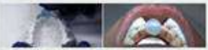
Before the MEMOTAIN® Retainer is placed, the lingual surfaces of the teeth [illegible]



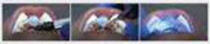
[illegible]



[illegible]



[illegible]



[illegible]

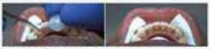
Note regarding the maxilla:
Use articulating film to check for any early contacts on the resin bonding sites, and remove them.

Which resin?
For cementing a MEMOTAIN® retainer, both high- and low-filled composites can be used. Ensure as smooth a transition as possible between the bonding site and the natural tooth.

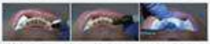
Low filled composites (Flow):
These composites ensure for a smooth surface that is comfortable for the patient.

High filled composites:
The higher proportion of fillers makes this resin more resistant to abrasion compared to flowable composites. However, the high-filled resin is rougher for the tongue. The sensation of roughness can be reduced by subsequent coating with bonding agent.

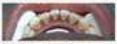
Other information:
When making a new lingual retainer, you should remove the old resin bonds before taking the impression.



[illegible]



[illegible]

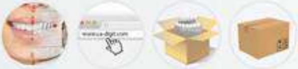


[illegible]

MEMOTAIN®
by CA DIGITAL

GETTING STARTED WITH MEMOTAIN®

1 2 3 You have the order!



Impression/Scan	Ordering	Sending	Shipment
Either you can you take an impression and make a plaster model. **or** you can make a scan in STL format. **Note:** Registration of the opposing jaw together with the bite [illegible]	Please order the [illegible] via your customer account on our website. You can also upload your STL files here. Visit **www.ca-digit.com** and go to **"CA DIGITAL ONLINE ACCOUNT/LOGIN"**	If you want to send us plaster models, please send the parcel to the CA DIGITAL shipping address, which you can find on the website **www.ca-digit.com** Please label the models and put the same information in your order.	You will receive the [illegible] within 4 business days from receipt of the plaster model/order if you are located in Germany. The shipping time for other countries may vary. **Note:** All parcels shipped by CA DIGITAL are insured and can always be localized using the tracking number.

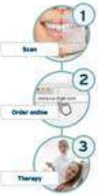
MEMOTAIN®
by CA DIGITAL

SIMEO

3D printed metal appliances made with STL files

SIMEO allows orthodontists to order patient-specific metal appliances, which are produced in a sinter metal working process.

Thanks to the precise digital design, the appliance fits exactly on the patient's teeth, allowing a higher efficiency and significantly more comfort for the patient.

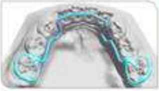


SIMEO
by CA DIGITAL

SIMEO
by CA DIGITAL

SInter
MEtal
Orthodontics

Digital planning



3D metal print

CA SMART 3D

www.ca-digit.com

ORTHODONTIC SOFTWARE
FOR THE CLINIC AND LABORATORY

CA SMART 3D Orthodontic Software – for the clinic and laboratory

OnyxCeph™ · CA SMART 3D is a software for your own aligner planning from CA DIGITAL. You have the complete aligner process in your own hands - from planning to model making.

- An independent software solution with multiple interfaces to the clinic software
- A software for your own planning, correction and production
- Planning control based on the CA® CLEAR Aligner philosophy
- Complete control over the whole treatment process
- The added value will remain in your laboratory

CA SMART 3D Laboratory

Professional package for the laboratory

If you, as a laboratory owner, wish to offer your customers a precise digital aligner therapy, you can now carry out the planning, set up and corrections yourself.
You also have the option of submitting each process step to CA DIGITAL – with CA SMART 3D Labor.

- Processing of 2D and 3D data sets
- Interfaces to various 3D scanners and management software
- Cephalometric measurement
- Data exchange function
- Virtual segmentation of teeth
- Change/set-ups controlled by the CA® philosophy presented in the program
- Export of print data
- Generation of 3D reports as a free 3D viewer for your customers
- Creation of print templates for presentations and prognosis
- Multiple expansion capabilities for orthodontic treatments

CA SMART 3D Clinic

Entry-level solution for clinics

If, as an orthodontist, you prefer to concentrate on the treatment of your patients, you can use CA SMART software to make small corrections in the prepared planning. Besides, this software enables you to start the scanning process and archive all the model data.

- Patient data management & integration into your in-house patient administration, e.g. by computer
- Import of the scan data
- Bases, labelling and archiving
- Creation of presentations
- 3D-data conversion
- Checking of CA DIGITAL changes
- Generation of 3D reports and free provision as 3D viewer

CA SMART 3D
by CA DIGITAL

CA DIGITAL - Treatment Manager Order & Patient list ▼ Media manager ▼ Language ▼ Dr. Doctor ▼

CA DIGITAL

New Treatment

Patient John Doe

created on Aug 20, 2015 by Dr. Doctor
born on Jan 1, 2000

THE CA DIGITAL ONLINE ACCOUNT

1 Select Product — 2 Select Type — 3 Select Treatment

www.ca-digit.com

ORDERING IN YOUR ONLINE ACCOUNT

CA DIGITAL – We are online – in the truest meaning of the word. Therefore, we have a clear patient management for our clients integrated into our website. This will help you and us to cooperate. Your CA DIGITAL account offers the following facilities:

- Ordering for all CA DIGITAL products: CA® CLEAR Aligner, INDIVIDUA®, MEMOTAIN®
- An archive of all patient cases – current or completed
- Online check and approval of the set up forecast
- Viewing the current status of the treatments
- Easy upload and managing of 3D scan data

Register online here:
www.ca-digit.com

by CA DIGITAL

NOTES

DIGITAL PRECISION
ONE SCAN – ALL OPTIONS

CA DIGITAL is your direct contact and service partner in all areas of digital orthodontics and clinical applications. We assist you in all matters relating to precise digital treatment planning and offer you customized cooperation arrangements and product solutions.

CONTACT
Phone: +49 2104 80041 00
Web: www.ca-digit.com
E-mail: info@ca-digit.com

Published February 2016

INDIVIDUA CA CLEAR ALIGNER SIMEO SInter MEtal Orthodontics MEMOTAIN®

by CA DIGITAL