

**HE THAT WILL NOT
HEAR MUST FEEL!**

A solid orange horizontal bar that starts at a medium thickness on the left and tapers to a thin line on the right, extending across the bottom of the text area.

 **ceramill sintron®**



 **ceramill sintron®**



From the daily practice
More than 400 users worldwide can't go wrong...



Dentalstyle s.n.c.
Feltre/Italy

” Sintron has revolutionised the way in which we fabricate metal frameworks in our laboratory. Owing to its wax-like texture this material is easily processed and produces optimum, precise results.

“



Bandoni Cristiano
Dentalpoint s.r.l
Lucca/Italy

” So far we have a positive impression of Sintron as it matches our working methods optimally.

“



Massimo Zorzi and
Corrado Picchetti
Gorla Minore (Italy)

” We like SINTRON because it's innovative yet easy to use. Just a few working stages are all that's needed to quickly create highly precise, reproducible results of consistent quality. SINTRON is a non-porous, stable, very compact and easily polished material. All these properties add up to provide for uncomplicated working and the certainty that the restorations will be of high quality.

“

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More than 400 users worldwide can't go wrong...



Peter Boutros
CDT Boutech Dental
Kellyville/Australia

” I'm very proud to be amongst the first users of this innovative new technology. Sintron helps me to have total control over my design and manufacturing which reduces costs and time and increases my profit. I have the peace of mind and added security that there won't be the same day-to-day challenges as with traditional casting techniques such as mis-casts, porosity or distortion.

“



Stephen Swindells
Dunedin/New Zealand

” We have found the Ceramill software, scanner and Motion 2, the most user-friendly CAD-CAM system we have used. The revolutionary material and milling unit provides our busy laboratory with an efficient milled non-precious alloy together with acrylic and all-ceramic dental restorations. This has increased the output and quality of work despatched to our clients.

“



Simon Kay
Dental Design Laboratory
RSA

” We are gaining more experience every day in the uses of CAD/CAM and the benefits of Sintron are immense. No investing, no divesting, no rocking bridges etc. Huge saving in time and the quality of the metal is obvious.

“



Quinton Pierre Weyers
Quality Ceramics Dental Lab
RSA

” “Micrometrical Precision!” It is an absolute pleasure to have so much control over the alloy (Sintron) with which I am working. It is a homogeneous, distortion-free alloy without contraction cavities. This results in a super smooth surface and great fitting properties. Porosity is now an unknown word. I'm happy and my dentists are happy. What more can I ask for?

“

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Dr. Faizur Rahmaan
Ankhor Live Lab
Chennai/India

” Feeling proud and happy that we are the first user of Sintron in India and we made the right decision to go for it as innovative Sintron has a wonderful effect! Working with Sintron is amazing as there are no porosities or distortion and the consistent results are absolutely fine with their precise fitting and bond strength.

“



Lee Do Chan
One Dental Lab
Busan/Korea

” I have used several dental CAD/CAM systems but the Ceramill system is the first to meet my expectations and provide satisfaction. There is something particularly special about Ceramill Sintron. It already changed the lab's environment and its bond strength and precision of fit are among the best. This brand new product Ceramill Sintron is a really surprising material to me with my 30 years of experience as a ceramist.

“



Kim Kyung Rok
Kyungbook national university dental hospital
Daegu City/Korea

” When I first heard about Ceramill Sintron I was very surprised and asked myself “Is this really possible?” But now as a user of Ceramill Sintron I am very happy because I'm working with a brand new material which is among the most innovative in the world. Ceramill Sintron provides many advantages such as a great saving in time while manufacturing non-precious metal restorations and computer-based metal designs. And I am also satisfied with its mechanical properties and distortion-free results. I think Ceramill Sintron is the best of all in-house CAD/CAM materials. In the future if Ceramill Sintron is indicated for long-span bridgework or even full arches, it will more attractive.

“

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More than 400 users worldwide can't go wrong...



Bartosz Troczynski
Natrodent Dental Lab
Lodz/Poland

” I always look for the highest quality. Sintron solved my problems with casting. Now I know that the metal will always fit perfectly on the model die. This is the digital accuracy I was looking for.

“



Radek Smejkal
Laboratoř Ornides s.r.o.
Czech Republic

” Together with the Ceramill Motion 2 milling machine, Sintron has accelerated our working procedures tremendously. Both our precision and working effectiveness have benefitted.

“



From the daily practice
More than 400 users worldwide can't go wrong...

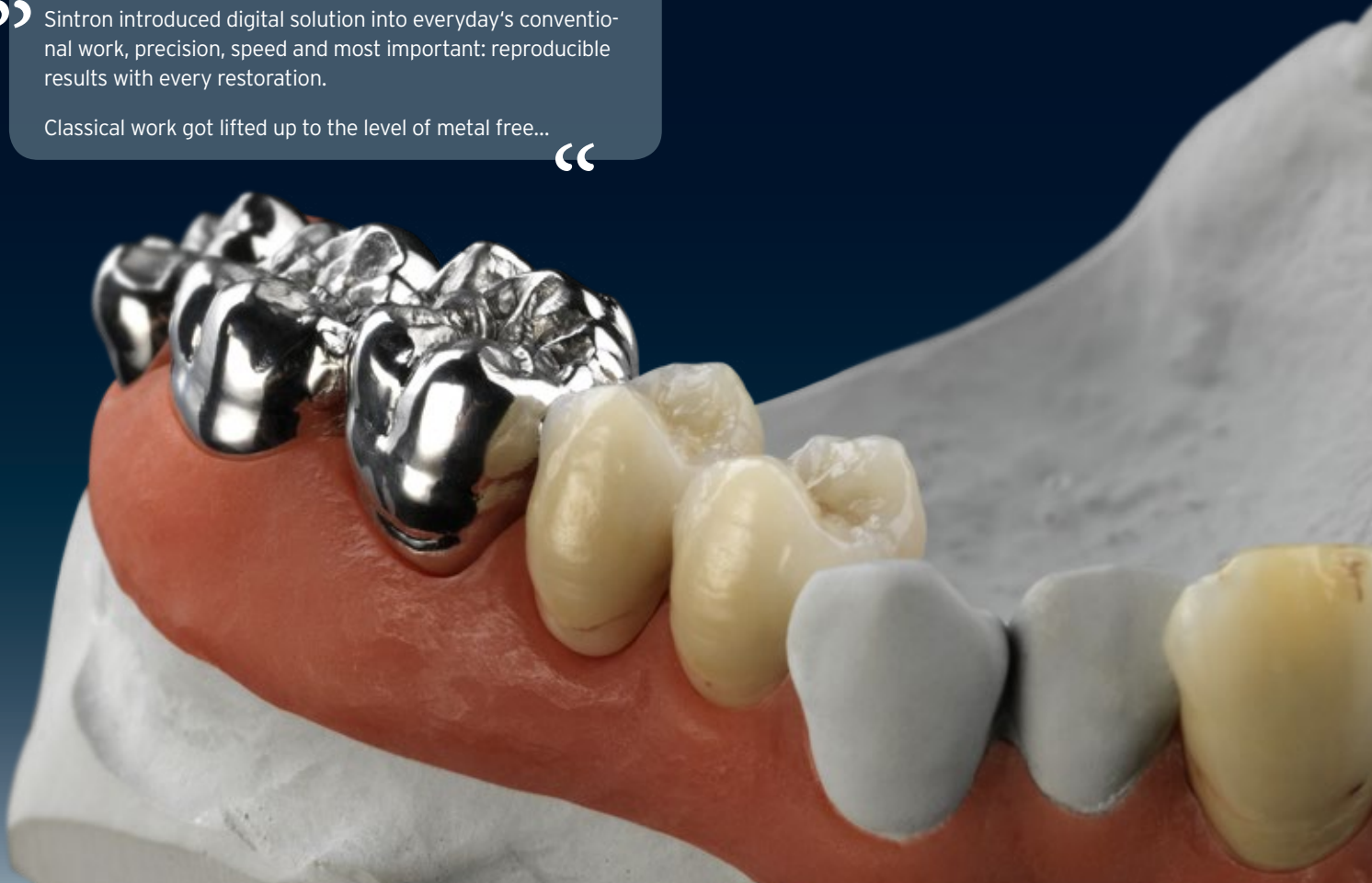


**Marwan Khoury,
Alain Saker, Sami Samaha
Zirconnet, Beirut/Libanon**

” Sintron introduced digital solution into everyday's conventional work, precision, speed and most important: reproducible results with every restoration.

Classical work got lifted up to the level of metal free...

“



ceramill sintron®

CoCr sinter metal for in-house dry processing using the Ceramill Motion

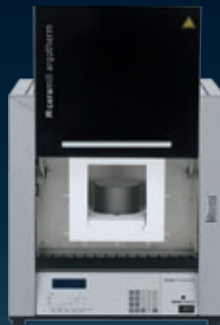
High innovation power is incorporated in the Ceramill Sintron® CoCr sinter metal from Amann Girrbach. The non-precious metal revolutionises the manufacturing process, as the wax-like texture of the Ceramill Sintron® blanks (CoCr blanks) allows them to be effortlessly dry milled on in-house desktop machines such as the Ceramill Motion 1 and 2. The labour-intensive and error-prone casting procedure and therefore time-consuming manually working stages are no longer required. The sinter process is also extremely easy: the press of a button is sufficient for an excellent result with regard to material quality. Maximum process reliability produces homogeneous, distortion-free frameworks without contraction cavities. Using the new Ceramill Sintron® it is possible to achieve predictable, reproducible fit and framework quality. Ceramill Sintron® can be veneered using any CoCr framework porcelain.

ceramill motion



Dry milling on
Ceramill Motion 1 or 2

ceramill argotherm



Sintering in the Ceramill Argotherm
under shielding gas flushing

ceramill sintron®



Sintered restoration showing polished
and non-polished areas



The highlights of Ceramill Sintron®:

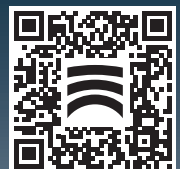
- _ Effortless dry milling on desktop milling machines due to the "wax-like" texture of the blanks
- _ Maximum convenience - the entire conventional crown and bridge non-precious metal casting procedure is no longer required
- _ Maximum in-house value creation - outsourcing for non-precious metal is no longer required, no dispatch times
- _ Great saving in time during manufacture of non-precious restorations due to in-house production and computer-based design process
- _ Predictable, reproducible fit and framework quality thanks to the digital processing technique

- _ Manufacturing process analogous to Ceramill Zi
- _ Amortisation turbo for the CAD/CAM system in the laboratory
- _ Maximum process reliability - homogeneous, distortion-free framework without contraction cavities
- _ No need to change the veneering porcelain (any conventional non-precious metal veneering porcelain can be used)
- _ Digital templates (tooth library) replace waxing up and accelerate the design
- _ Easy trimming and finishing of the milled framework in the green body state
- _ No remakes due to miscasts, as the quality is predictable
- _ Dry milling - no cooling necessary
- _ Minimal tool wear because of the wax-like texture of the blanks
- _ Time-consuming spruing for ingates is no longer required



Ceramill Sintron® was developed in collaboration with the Fraunhofer IFAM Dresden, Germany

Ceramill Sintron®
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Corrosion resistance and biocompatibility

Results for corrosion tests and biocompatibility		
Test start	Standard	Fulfilled?
Corrosion	DIN EN ISO 10271:2001	✓
Tarnish resistance	DIN EN ISO 22674:2006, Pkt. 8.6	✓
Static immersion test	DIN EN ISO 10271:2011-10, Pkt 4.1	✓
Static immersion test	DIN EN ISO 10271:2011-10, Pkt 4.5	✓
Sensitisation (allergenicity)	DIN EN ISO 10993-10	✓
Cytotoxicity (after 24 h and 72 h)	DIN EN ISO 10993-5	✓
Systemic toxicity	DIN EN ISO 10993-11	✓
Intracutaneous reactivity	DIN EN ISO 10993-10	✓

_Ceramill Sintron® successfully passed all corrosion and biocompatibility tests

_Ceramill Sintron® fulfils all standard requirements in relation to corrosion resistance and biocompatibility that are applicable for metal materials in dentistry

Source: BIOSERV Analytik und Medizinprodukte, GmbH, Rostock, Germany

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More than 400 systems successfully installed worldwide -
reference at your doorstep.





Algeria	Netherlands
Australia	New Zealand
Austria	Norway
Belgium	Peru
Bulgaria	Poland
Chile	PR China
Croatia	Republik Korea
Czech Republik	Romania
Denmark	Saudi Arabia
Dominican Republic	Serbia
Finland	Singapore
France	Slovakia
Greece	Slovenia
Germany	South Africa
Hong Kong	Spain
Hungary	Sweden
India	Switzerland
Indonesia	Taiwan
Iraq	Tunisia
Israel	Turkey
Jordan	Ukraine
Lebanon	United Arab Emirates
Libya	United Kingdom
Lithuania	USA
Macau	Venezuela
Macedonia	Vietnam
Malaysia	
Mexico	

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