DENTAVANTGART

labline

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INTERVIEW

INSPIRED BY NATURE: CHRISTIAN FERRARI

DR. **VIOLETA BARTALIS ÉP. CLAUS** &
ZTM. **JAN-HOLGER BELLMANN** &
DR. **CARSTEN CLAUS**

A BALANCING ACT BETWEEN FUNCTION AND AESTHETICS: A THIRD DIMENSION OF A SMILE

DR. **ATTILA BODROGI** &
CDT. **SIMONE MAFFEI**

BESPOKE SMILE MAKEOVER: A FACIALLY DRIVEN APPROACH TO INDIVIDUALIZED OUTCOME

DR. **CYRIL GAILLARD** &
CDT. **JÉRÔME BELLAMY**

FULL FUNCTIONAL AND ESTHETIC MINIMALINVASIV RESTORATION USING IPS E.MAX CERAMICS

IMPRESSUM

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editor in chief:

László Németh
contact@lablinemagazine.com

cover photo:

Aram D. Torosian MDC, A.S
personal e-mail: aramdt@gmail.com
private phone: 818 339 1066

back cover photo:

Dr. **Árpád Mentes**
mentes.arpad@chello.hu

reporter

Éva Tarnócai
eva.tarnocai@gmail.com

interview photos:

András Kránitz photographer
www.fotokranitz.hu

translation:
Angéla Vaszkó
Phone: +36 30 401 23 95
office@clearcommunication.hu

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Further info:

DentAvantgArt Division Kft.

H-9400 Sopron, Virágvölgyi u. 59., Phone: +36 99/314 931
International Phone: +36 30/640 39 09, Fax: +36 99/318 647
e-mail: info@dentavantgart.hu, www.dentavantgart.hu

design & layout:
AIOD
SIGN + CREATIVE + AGENCY
www.sign.hu

DEAR READER,

On my business trips I have had the opportunity to talk to dental technicians and lab owners in many countries about their work and their vision for the near future. The expectations and anxieties are naturally as different from each other as the people themselves and their countries. In the conversations, however, there was a common denominator: the automation of dental laboratories, or the fear associated with it, that automation could mean the end of the profession of dental technician as an "artist".

The more I considered this subject and observed the developments and happenings of the dental industry, the more I realised that modern dental technology is being offered a huge opportunity. The central issue is this: digital production or traditional manual work? Is there a connection between the two streams? Today I am sure that this "bridge" exists. It just needs to be recognised and exploited to our own advantage.

Take North America, for instance. The dental labs there are subject to tough market conditions, they have to fulfil the orders of dentists and clinics in the shortest time possible. It led to around 20% of all the prosthetic work being outsourced to China.

A turnaround only came with the appearance of digital production technology. Besides the time factor, the possibility of producing all basic materials with maximum precision has prompted ever more dentists to have prosthetic jobs done in their own land again. Recognising the signs of the times, the dental technicians invested in CAD/CAM technology. This is the reason why the number of workers in dental laboratories in the USA has increased again compared with the situation a few years ago.

What is observed in the USA will be valid everywhere in the future. Compelled by economic sense, digital technology must be integrated into production. Where human possibilities reach their limits, machines can work. Take lithium disilicate glass ceramic as an example. I frequently hear that the labs receive orders from their dentists to make prostheses from lithium disilicate. As the labs have already invested in CAD/CAM technology, they now have to shape this high-strength ceramic with a milling machine. A completely senseless undertaking from an economic point of view! Not only due to the high cost of the starting blocks, but the machine time and tool costs also signify a loss.

I imagine modern dental technology in the following way. Differentiate, i.e. mill, if the material brings the technician to his limits when processing. Mill and press, if the costs of CAD/CAM technology are too high. Press and individualise, so that the greatest added value stays in the lab. Taking these considerations into account, Zubler products have taken a route based on a combination of classic and digital dental technology.

Besides the large CAD/CAM appliance suitable for producing simple and extremely complex designs from all current materials, a compact Zubler CAD/CAM machine will soon be available, which will be equipped with the manufacturing experience of the large milling machine. The small CAD/CAM will also offer small dental labs the opportunity, for a reasonable and calculable investment, for the digital production of frames, crowns and bridges to become part of their everyday lives.

For this, we offer dental labs everything necessary for profitable production:

- besides a large CAD/CAM appliance, a small machine soon for perfectly fitting frame designs,
- all associated materials and tools,
- ceramic kilns equipped with patented pressing procedure,
- modern firing kilns,
- a complete ceramic system for all indications.

For a successful journey into the dental technology of tomorrow, we must be aware of the above insights. We are convinced we have managed to turn concerns into positive expectations, and we are pleased that we can continue to serve this wonderful vocation in the future.

KURT ZUBLER

Christian Ferrari

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Christian [illegible]

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Master Ceramic Aesthetics

with Christian Ferrari

The tooth and lip evolution over lifetime

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100%
PRETTAU® BRIDGE

MADE BY CAD/CAM

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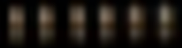

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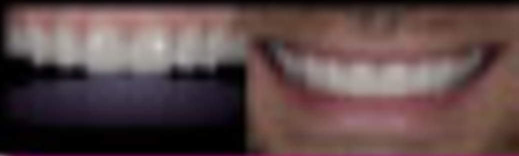

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FULL FUNCTIONAL AND ESTHETIC [illegible]

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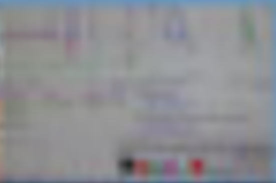

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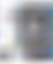

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SURFACE AND MORPHOLOGICAL CHARACTERIZATION OF SILICATE RESTORATIONS

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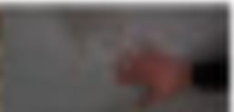

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Patented pressing process
for lithium disilicate
VARIO PRESS

THE MICRODENTISTRY APPROACH

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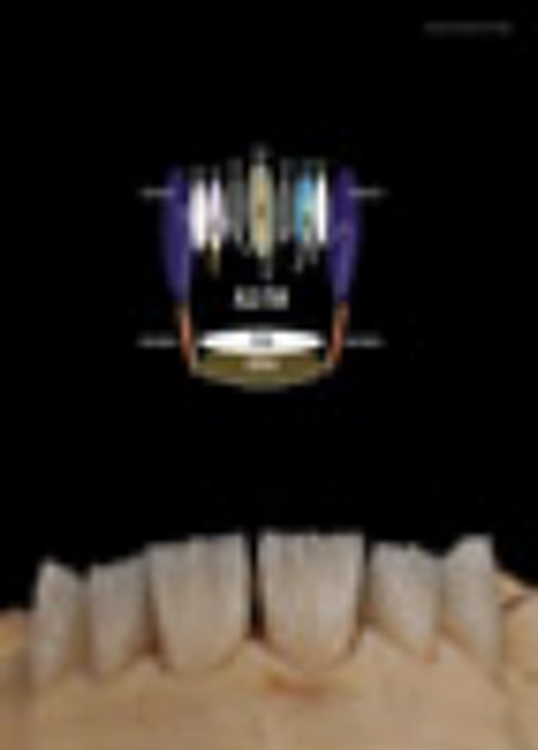

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GAD

THE ESTHETIC AND FUNCTIONAL REHABILITATION

MODULE 1

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MODULE 2

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MASTERCLASS

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A STEP BY STEP APPROACH FOR A PREDICTABLE RESULT

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KunstZahnWerk® 2019

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We know the price of

everything,

but the value of

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