CAD/CAN/ international magazine of digital dentistry

7.21 mr

9.75 mm

2015

CE article

Biomechanical principles

Latest trends in prosthetics

special

Value chains being transformed by digital dental technologies



DentalCoo

зshape



GET AN IMPRESSION OF WHAT YOUR COLLEAGUES ARE DOING

While you read this message thousands of your colleagues are already using our 3D intraoral scanner with RealColor[™]. Why..? Simply because it makes their work better, faster and easier.





Get a more realistic scan with RealColor™



Measure the shades of teeth while you scan



Save time for you and your patient

3Shape TRIOS[®] Impression of the future

Dear Reader,

_This year, in addition to the International Dental Show, significant for the entire global dental industry, another important event in digital dentistry is taking place: the CAD/CAM and Digital Dentistry International Conference—celebrating its tenth anniversary—which is to be held in May at the Jumeirah Beach Hotel in Dubai.

Almost 20 years after the first CAD/CAM system was presented on the market, with great enthusiasm and a belief in digitalizing dentistry, the Centre for Advanced Professional Practices (CAPP) held its first CAD/CAM and computerized dentistry conference in the Middle East. CAPP, with a group of passionate leaders, such as Drs Munir Silwadi, Aisha Sultan and Omar Adeeb, supported by 3M ESPE, Sirona, KaVo, etkon and the MOH, UAE, has made possible what we have today, the fruit of ten years of continuous dedication to digital dentistry education. To date, more than 15,000 dentists and dental technicians have been educated in digital dentistry by CAPP.

Our journey over the last decade has been fraught with the many challenges of keeping pace with the incredibly fast growth of the industry and new technologies. Ten years ago, we could not even have imagined the opportunities to change dentistry and improve patient care, covering everything from diagnosis to treatment in terms of precise, improved efficiency, and changing outcomes and aesthetic needs.

What has been accomplished in the past ten years has been significant, and we would like to acknowledge our business partners, industry, sponsors and supporters for helping us make CAPP the success it is today. Thank you to all who have worked with CAPP during this period and who share the challenges and passion. We are grateful to all of the dentists and dental technicians who have followed us in this decade of rapid development in the dental industry and technologies.

In 2015, there is one more anniversary to celebrate: CAD/CAM magazine is now 6 years old! Since 2010, CAD/CAM has served as a platform for education and information exchange, and we all hope it will continue. Inside this issue, you will find clinical articles, as well as reviews of CAD/CAM technology, and industry news.

Yours faithfully,

Dr Dobrina Mollova Managing Director of CAPP Dubai, UAE



Dr Dobrina Mollova





editorial

Dear Reader | Dr Dobrina Mollova

practice management

06 The importance of brand and own reputationfrom real daily life to the web | Prof. Antonio Pelliccia

CE article

A minimally invasive approach according to biomechanical principles of teeth Dr Michael L. Young

review

CAD/CAM Technology: a review | Drs Cynthia Kassis, Pierre Khoury, Tatiana Zogheib, Louis Hardan & Prof. Mehanna Carina

industry report

Latest trends in prosthetics | Massimiliano Rossi, Fabrizio Molinelli & Dr Ilaria Caviggioli

overview

32 Digital possibilities for making implant prosthetics | Dr Joannis Katsoulis

case report

Periodontal and peri-implant tissue management 36 in the aesthetic zone | Dr Riccardo Verdecchia

feature

40 Digital impression taking helps me be a better dentist | Interview with Dr Simon Kold, owner of Herning Implant Center in Denmark

special

42 Value chains being transformed by new digital dental technologies Friedhelm Klingenburg

opinion

Going (unintentionally) green: The unexpected bonus of switching to CAD/CAM and same-day dentistry | Dr Joel Strom

industry news

- 54 Bringing innovation back: Introducing a complete posterior solution | Nobel Biocare
- 56 Planmeca PlanScan is the world's first dental unit integrated intraoral scanner | Planmeca
- 58 **MIS** Implants Technologies launches MCENTER Europe, new digital dentistry hub in Berlin 1 MIS
- 60 EGS at IDS 2015: Discover the ultimate CAD/CAM upgrades in digital dentistry
- 61 Adentatec Competence in Dental | Adentatec
- 62 Eisenbacher Dentalwaren ED, your specialist for NEM dental alloys | Eisenbacher

meetings

66

64 International Events

about the publisher

| imprint

- | submission guidelines
- Cover image courtesy or

CAD/CAM

MIS NGUIDE page 50 page 58











OF DIGITAL IMPLANT DENTISTRY MAKE IT SIMPLE

All MCENTER products and services, from the initial plan to temporary restoration, are available in one location. MSOFT, MGUIDE and MLAB systems provide doctors with optimum support for quicker, more accurate surgical procedures resulting in better esthetics, predictable outcomes and reduced chair-time. Learn more at: www.mis-implants.com

The importance of brand and own reputation—from real daily life to the web

Author_Prof. Antonio Pelliccia, Italy

_We usually associate the term 'brand' with a product that has a unique, consistent and wellrecognised character (i.e. Coca-Cola, BMW). These brands conjure up images in the minds of consumers. Large organisations work hard to raise the power and status of their brands and guard them carefully against unlicensed use or unfair imitation.

The American Marketing Association (AMA) defines a brand as a 'name, term, sign, symbol or design, or a combination of them intended to identify the goods and services of one seller or group of sellers and to differentiate them from those of other sellers'.

Therefore, it makes sense to understand that branding is not about getting your target market to choose you over the competition, but it is about getting your prospects to see you as the only one that provides a solution to their problem. Looking out into the world today, it is easy to see why brands are more important now than at any time in the past 100 years. Brands are psychology and science brought together as a promise mark, as opposed to a trademark. Products have life cycles. Brands outlive products. Brands convey a uniform quality, credibility and experience. Brands are valuable. Many companies put the value of their brand on their balance sheet.

Why? Well you do not have to look very far. In today's world, branding is more important than ever. But you cannot simply build a brand like they did in the old days. You need a cultural movement strategy to achieve kinetic growth for your brand. With that, only the sky's the limit. What sells Chanel when it produces a cosmetic? A cream or a dream of beauty? What does the Perugina brand sell when it produces the 'Bacio'? A chocolate or a feeling? What sells Ferrari when it produces the 458: car or social status? What sells Starbucks when opening its stores? A coffee or a third place between home and work? The list goes on with many examples. Branding is fundamental. Branding is basic. Branding is essential. Building brands builds incredible value for companies and corporations.



More than a lab partner. True ambition to increase your efficiency.

At Straumann we are fully committed to taking care of you and the success of your business. We stand for highest quality, and our passion is to continuously shape our portfolio offering with innovative products & services that simplify your workflows and increase your efficiency. Find out what's in it for you!

www.straumann.com/dentallab



If you are still not convinced, let me give you another example. The dollar is a world brand. In essence it is simply a piece of paper. But branding has made it valuable. All the tools of marketing and brand building have been used to create its value. On the front you will find the owner of the brand: the Federal Reserve. There is a testimonial from the first President of the United States, George Washington. There is a simple user's guide: 'This note is legal tender for debts public and private'. And if you are still not convinced, the owner has added the allimportant emotional message: 'In God We Trust'. The dollar is a world brand. It confers a uniform value globally. But, as I said, it is really just a piece of paper. Branding has made it worth something.

I mentioned earlier that brands are more important today than in the past. There are a few reasons for this. Firstly, the world has come online and there are many new markets and a growing middle class in places such as India, China, Brazil, Russia, South Africa, Nigeria, Indonesia and in many more places. These consumers buy brands. They buy premium brands. The best branding today is based on a strong idea. The best brands have remarkable creativity in advertising to help them break through people's wall of indifference to create brand heat and product lust. A case in point is the recent turnaround of Chrysler and its reliance on marketing and advertising. Or look at the reinvention of Levis. A final example is a campaign by my own agency, which has helped reenergise one of America's great iconic brands-Jim Beam.

Developing a corporate brand is important because a positive brand image will give consumers, and other interested stakeholders, confidence about the full range of products and activities associated with a particular company.

- _Essence: A single, energising central idea; it is the heartbeat of the organisation.
- _Values: What the organisation believes in and stands for.
- _Personality: The traits and qualities that distinguish your organisation as being different.
- _Behaviour: The actions associated with values and personality.
- _Relationships: The internal and external rules of engagement.
- _Value Proposition: The offer that is made to customers, the point of difference and why it matters.

The sophisticated strategy is a cultural movement strategy. I believe that building brands now requires a cultural movement strategy as opposed to simply a brand building strategy. A cultural movement strategy can accelerate your brand's rise

to dominance. Once you have cultural movement, you can do anything in a fragmenting media environment, maximising the power of social media and technology. The world has changed. We are now living in the age of uprisings and movements. I have written about how to build a brand in this new age in my new book Uprising. These days, building brands has become a lot less expensive and smart brands can take advantage of new tools and rocket up there globally, very fast. A common interpretation is that a brand is the promise that is made to customers. Or, the brand is not what you say it is, but what your customers say it is. While these views are legitimate ways of helping to understand a brand, an-actively-managed approach makes a brand more tangible and provides it with structure. Company branding is the most efficient way to show potential customers what your business is about. It is reflected visually via the logo and company design elements, as well as through verbiage in marketing materials, slogans and informational copy. According to Fast Company magazine, 'The brand is a promise of the value you'll receive'.

In the face of the current economic challenges, it is worth noting that brands do better in tough times compared to unbranded products. Brands outlive product cycles. And in these challenging times, there are still great brands being built. Brand owners still recognise opportunity and their brands will thrive in the years ahead.

No branding, no differentiation. No differentiation, no long-term profitability. People do not have relationships with products, they are loyal to brands. In a movement strategy, brands have a purpose that people can get behind. Brands can inspire millions of people to join a community. Brands can rally people for or against something. Products are one dimensional in a social media enabled world, brands are Russian dolls, with many layers, tenents and beliefs that can create great followings of people who find them relevant. Brands can activate a passionate group of people to do something like changing the world. Products cannot really do that.

Brands have to contain:

- _Uniqueness: utilise your branding to set yourself apart from your competitors. To do this, analyse what you do best and consider you target demographic. Use graphics and word choices that clearly reflect your business to your target audience, hence your brand. Use your branding to deliver clear messages.
- _Target Audience: done correctly, your brand can assist you in getting a stronger foothold in your





Restoring happiness

Patients rely on you in order to eat, speak, and smile with confidence. It can be said, you are actually restoring quality of life and happiness.

To succeed, you need technology that is well founded and documented in science. That is why we only deliver premium solutions for all phases of implant therapy, which have been extensively tested and clinically proven to provide lifelong function and esthetics. Moreover, with an open-minded approach, we partner with our customers and offer services that go beyond products, such as educational opportunities and practice development programs so you can rest assured that you have the support you need.

Reliable solutions and partnership for restoring happiness—because it matters.

Comprehensive solutions for all phases of implant dentistry



development





SIMPLANT[®]

Regenerative solutions

SYMBIOS[®]

ANKYLOS' ASTRA TECH IMPLANT SYSTEM

Implants

XIVE

ATLANTIS

Restorations

And the second designation of the



www.dentsplyimplants.com