IDS 2021 gives impetus to the dental industry

Trade show attracted 23,000 visitors from 114 countries.

“Optimism has returned within the international dental family. We held intensive discussions with interested visitors and most of them ultimately came to make investment decisions,” said Mark Stephen Pace, chairman of the executive board of the Association of the German Dental Industry, which organises IDS.

For Pace, IDS 2021 marked a fundamental moment since the start of the pandemic in that the whole industry took up the opportunity to switch from crisis mode into working mode, “because it was the ideal place to take stock of the current situation and to identify future opportunities”. IDS gave a comprehensive overview of the state-of-the-art in dentistry, emphasising the significant advancements in research and development, particularly the drive towards digital innovation.

Digital solutions gain momentum

Digital technology, such as remote care digital tools, intra-oral scanners, 3D diagnostics, CAD/CAM, radiography, CT and other imaging techniques, is playing an increasingly important role in dentistry. The SARS-CoV-2 pandemic has hastened uptake and development in this regard, as these technologies have enabled dental practitioners to monitor treatment progress remotely, for example, and in many cases to continue with treatment. During IDS, new digital interfaces that allow for a truly integrated digital workflow were presented, and these also promote a more collaborative approach between the laboratory and practice for greater efficiency.

For instance, exocad’s series of new Galway software releases underscores seamless digital workflows and simplicity of use. The new ChairsideCAD 3.0 Galway is highly automated, intuitive and optimised for practice use. “When we developed the Galway releases, the focus was on increasing productivity for our customers,” said Novica Savic, exocad’s chief commercial officer, in citing new features that simplify the design process. Instant Anatomic Morphing enables the anatomy of the teeth to automatically adjust in real time for dynamic occlusion, and artificial intelligence-based detection of facial features makes smile design with Smile Creator faster and more accurate.

IDSConnect, the digital platform of the fair, featured 77 exhibitors from 16 countries with 84 daily contributions and 1,310 minutes of broadcast time. Oliver Frese, chief operating officer of Koelnmesse, commented on the hybrid format in a press release: “We offered the physical meeting place here in Cologne in the exhibition halls and, in addition, the digital platform IDSConnect with added opportunities for presentations and networking, which was very well received.”

“From 22 to 25 September, the 2021 International Dental Show (IDS), held six months later than usual owing to the COVID-19 pandemic, offered the dental industry and dental professionals the opportunity to experience products live and, above all, to socialise with one another in person. This IDS was the first to be held in a hybrid format, allowing visitors who were unable to travel owing to restrictions to participate digitally. A total of 830 companies from 59 countries participated in IDS 2021 in an exhibition space of 115,000 m². There were 228 exhibitors and five additionally represented companies from Germany, together with 591 exhibitors and six additionally represented companies from abroad. The foreign share of company participation was 72%. Including estimates for the last day of the fair, more than 23,000 trade show visitors from 114 countries attended IDS 2021. Of these visitors, around 57% came from abroad—from Europe, especially Italy, France, the Netherlands and countries in eastern Europe, as well as from the Middle East and elsewhere overseas.
Artificial intelligence: Possibly the next big thing

The benefits of the use of artificial intelligence (AI) are already tangible, and AI will most likely be a major future trend. From initial consultations, diagnosis and treatment planning through to surgical procedures and postoperative care, AI technologies are steadily being adopted by dental practices aiming to digitise and streamline their workflows.

The main focus of current dental AI research is the analysis of radiographs, and in the long run, this capability could lead from diagnostics to prognostics through to AI support in making therapy decisions.

American software company Pearl introduced Second Opinion, an AI software application that helps dentists detect pathologies and other conditions in dental radiographs. It is the first AI-powered device with this application to enter the European dental market and the latest addition to a range of products the company has developed that apply its patented computer vision technologies to bring greater efficiency, accuracy and consistency to various dental industry stakeholders.

“AI is something we should look forward to rather than fear. It is not coming for our jobs, it is coming for the parts of our job that we do with least efficiency and that give us the greatest hassle,” said Dr Kyle Stanley, a specialist in implantology and chief clinical officer of Pearl. “Certainly, embracing AI alone cannot eradicate workrelated stress, but the time AI will save us and the accuracy it can ensure will allow us to focus on the work only we can do—work, like preparing crowns, that requires human dexterity, intelligence and hands-on manner,” he continued.

Another success story of the dental AI boom is undoubtedly DentalMonitoring. Founded in France in 2014, this orthodontics technology specialist has developed AI-powered solutions for conducting clinical analysis of images and 3D files, tracking tooth movement in a virtual setting and creating photorealistic simulations. From its humble beginnings as a start-up, DentalMonitoring has now grown to have over 400 employees across 53 countries, gathering investments from dental titans like the Straumann Group along the way.

At the company’s press conference at IDS, Philippe Salah, CEO and co-founder of DentalMonitoring, said: “Now, general dentists and orthodontists are able to monitor all their aligner and fixed appliance treatments, regardless of the brand, with the same, highly scalable, AI-driven workflow. In addition to controlling the treatment progress, they can actively set and monitor clinical goals for each patient. This means more active control, more productivity, and a new level of safety and confidence for their practice—a real game-changer for our industry.”

The current status and future of 3D printing

Additive manufacturing has become increasingly established, in part because it involves practically no loss of material. Crowns, bridges and denture bases, for example, can be fabricated in this manner using non-precious dental alloys (e.g. through selective laser melting, selective laser sintering, direct metal laser sintering or LaserCUSING).

The strengths of resin printing are primarily visible in models or occlusal splints. Veneers and gingival masks too are fabricated on the basis of an intra-oral scan using additive manufacturing. In addition, denture bases and teeth are printed and then bonded to form a full arch or complete denture or are even fabricated in one piece through this technique. Furthermore, mockups can be printed from try-in resins.

In implantology and endodontics, drilling and orientation templates can be printed. In orthodontics, high precision is achieved with positioning trays (indirect bonding trays). The positions of the brackets are initially planned virtually, and the brackets then have to be cemented precisely in the correct position in the patient’s mouth. The template printed from resin provides additional security in this regard.

In an interview with Dental Tribune International (DTI), Patrick Thurm, managing director and general manager for Europe at SprinRay, said: “Cost efficiency, speed and usability are key advantages of 3D printing. The material used is the most important factor for innovation in upcoming fields. More and more indications can be printed already, and more are coming in the near future. If one has an intra-oral scanner, there is no reason why one should not invest in a 3D printer.”

According to Thomas Kwiedor, head of business development for 3D printing at BEGO, “3D printing is the most important manufacturing method of the future. [...] We ourselves are currently working intensively on a material that enables the 3D printing of artificial teeth. One area that will certainly be exciting is that of multi-material and multi-colour printing, which among other things, will make it possible to reproduce the light-optical properties of natural teeth in the best possible way. In the future, we will also encounter material combinations that enable different properties within one material. It can also be assumed that the automation of individual work steps, such as post-processing, will be further professionalised.”

The latest in restorative dentistry

Direct restorations have been an outstanding and innovative field for
years. Since they represent the bread and butter of the vast majority of practices, even minor advances in procedures and materials have a clearly positive impact. IDS visitors had the opportunity to learn more about the latest developments in the anterior and posterior regions, in addition to performing bulk filling, with the material," said Dr Axel Bernecker, head of marketing at VÖCO, in an interview with DTI.

For example, VisCalor, the first composite to feature thermally controlled viscosity behaviour, was on display at the VOCO booth. “It is available in various VITA shades, allowing the dental professional to carry out aesthetic restorations in the anterior and posterior regions, in addition to performing bulk filling, with the material,” said Dr Axel Bernecker, head of marketing at VOCO, in an interview with DTI.

GC Europe presented numerous new restorative products at IDS 2021. G2 BOND Universal, a universal two-bottle bonding solution which features excellent adhesive strength and has a wide range of indications. GEMIAL ACHORD is a technologically extraordinary universal composite that combines simplicity, aesthetics and functionality optimally in one product. EQUA Forte HT is a glass hybrid restoration material that provides stability and aesthetics. EQUIA Forte HT is a glass hybrid restoration material that provides stability and aesthetics. G-CEM ONE, a new self-adhesive luting composite, impresses with its simple luting procedure, high adhesive force, problem-free removal of excess material and long-lasting aesthetic results. Initial LiSi Block, a fully crystallised lithium disilicate block with optimised physical properties, promises naturally beautiful restorations in just one appointment. Developed for the laboratory, Initial IQ ONE SGN provides for highly aesthetic colourings and micro-layering with paintable ceramics.

Summary and outlook
Overall, IDS attendees learned how they can increase their practice and laboratory efficiency by using new, automated processing strategies. Software releases presented at IDS will enable this. Many techniques, product innovations and prospects for the future were to be found at IDS. For professional orientation, for research and development, and for the fine tuning of many practices and laboratories, this IDS was indispensable. It was probably even the most important edition in many years, according to Koelnmesse. IDS has adapted to the conditions, and its hybrid format offered visitors attractive added value. Particularly the technology-savvy dental industry participants employed digital tools as an enhancement to the physical event in the halls, pointing the way for many other industries too.

The next IDS will take place from 14 to 18 March 2023.
Over the course of four days, over 23,000 trade fair visitors attended IDS 2021. EMS presented important innovations for its GBT protocol. IDS 2021 was staged in Halls 2, 3, 10 and 11. To provide a digital enhancement to the classic physical event, the free platform IDSconnect intended to maintain IDS's extensive international reach together with a successful onsite trade fair experience. Owing to the COVID-19 pandemic, tickets could only be obtained in a digital format. Participants were asked to provide recognised digital proof of vaccination or COVID-19 recovery upon entering the trade fair premises. IDS offered the dental industry and dental professionals the opportunity to experience products live again. IDS visitors had the opportunity to discover new products and, above all, to socialise with one another in person. Medical solution company DENTIS presented its offerings related to implant dentistry at IDS, including its novel implant UV activator. At IDS, Align Technology showcased the most recent and innovative solutions from the Align Digital Platform. VOCO presented the first composite in the world to feature thermally controlled viscosity behaviour. Osstem Implant had the single largest booth at the trade fair. (All photos: © koelnmesse)
“Our service meets all of the needs that arise in the dental clinic and laboratory”

An interview with Riccardo Molinelli from SHINING 3D.

By Jeremy Booth

The company was founded in 2004, and for the last 17 years, it has been focused entirely on the development of 3D-digitising and 3D-printing solutions. We are fully focused on the development of scanners and 3D printers for multiple applications. Indeed, dentistry is only one of the business areas served by the company. We also cover industrial and metrological applications and the 3D-digitising of most common objects. These different business units have application for both scanning and 3D printing.

What is the company offering to dental professionals?

We began developing dental scanners around 2012. We are proud to look back to our very first product, which was a desktop scanner for a dental laboratory, and to compare it with what we see around us here at our IDS booth—a full suite of digital solutions for both dental clinics and dental laboratories.

The company has a global network. We work in partnership with excad—the world leader in CAD—and through this partnership, we have direct integration of excad software. Both our scanners and printers directly communicate with excad in the most efficient way, and we also have integration with other software providers on the market.

What can I say is that we offer a fully open system. Our devices, scanners and printers are an open system that can communicate and interact with any other open system. Our philosophy is to provide products that have the longest possible lifetime—not only from the hardware point of view but also in terms of software. That is why we provide software licenses that do not have annual fees and do not have fees involved for updates.

What should dental professionals watch out for in order to ensure that these digital tools remain an asset in their daily practice?

Digital dentistry represents an improvement and an advantage for dentists and dental technicians only if it is integrated into a complete system—only if the digital tools assist them from the beginning to the end of the treatment or task. Otherwise, it is possible that the technology can represent an obstacle.

If one company provides all the steps of the digital solution, and if that company has expertise in the different segments of this digital workflow-scanning, CAD and 3D printing—then this represents the greatest advantage for clinicians. There is a simple reason behind this: the learning necessary for the individual steps will be drastically reduced, owing to the fact that the customer will always be able to rely on the most direct support.

This is what SHINING 3D represents: a digital solution that is integrated, complete, constantly up to date, and accessible and affordable for all dentists and dental technicians.

More information about SHINING 3D can be found at www.shining3d.com.
Imagine the CADabilities
Exocad presented DentalCAD, exoplan and ChairsideCAD highlights at IDS 2021.

At IDS 2021, exocad, an Align Technology company, presented highlights of its three core products – DentalCAD 3.0 Galway, exoplan 3.0 Galway for implant planning and ChairsideCAD 3.0 Galway for single-visit dentistry. The 360 m² booth was a central meeting point for exocad’s global community at IDS. The trade show offered a rare opportunity for exocad users to meet specialists and developers from the Darmstadt-based software company in person. Visitors could linger at the booth’s dozen software stations, learn about the 3.0 Galway release’s highlights and ask exocad’s software experts questions.

DentalCAD 3.0 Galway
Visitors experienced the 90 new and 80 additionally optimised features of DentalCAD 3.0 Galway. For example, they had the opportunity to try out the new Instant Anatomic Morphing. This feature automatically adjusts teeth in real time, greatly improving the speed and precision of anatomical tooth placement. Another exciting feature is parametric shape adjustment, which can transform all tooth libraries from a younger to an older anatomy. At another station, on-site experts demonstrated how the Smile Creator module can automatically recognise facial features using new artificial intelligence-assisted technology. Other demonstrations included the improved processing of bridge connectors and how multiple connectors can now be adjusted simultaneously, the creation of mock-up tooth set-ups and how the software supports virtually prepared models, and virtual tooth extractions.

Exoplan 3.0 Galway for implant planning
Exoplan 3.0 Galway is a powerful, open and efficient software package for virtual implant planning. Having over 40 new and over 60 improved features, the new Galway version represents a significant expansion of guided implantology possibilities and offers improved integration with exocad’s DentalCAD software.

ChairsideCAD 3.0 Galway for single-visit dentistry
During IDS, dentists experienced the widest range of indications in the chairside CAD software market. That is because exocad’s ChairsideCAD 3.0 Galway software offers a broad level of indications. The joint platform with exocad DentalCAD, the world’s leading CAD laboratory software, also unlocks unimagined possibilities for digital collaboration with tens of thousands of laboratories. More information can be found at https://exocad.com/ids.

“Sharing ideas, discussing improvements, learning about new technologies that is really what IDS is all about,” said exocad CEO Tillmann Steinbrecher. (All images: exocad)
FOR DIGITAL TEAMPLAYERS.

The new dimension of united dentistry in laboratory and practice.

www.ceramill-drs.com
The research by Spanish company Graphenano Dental on the reinforcement of polymer matrices has made it a pioneer of the use of graphene nanotechnology in dentistry. At the 2021 International Dental Show in Cologne, Graphenano Dental exhibited its products, such as the G-CAM disc for CAD/CAM milling systems, which relies on this technology.

Graphene is a form of carbon in which the atoms are arranged in a single layer in a 2D honeycomb lattice nanostructure. Among its principal properties are its high traction resistance, lightness, biocompatibility and low coefficient of thermal expansion. Furthermore, it is ecological and recyclable.

“Unlike zirconia, for example, which is still widely used, our graphene nano-reinforced biopolymer G-CAM disc has excellent blending properties,” explained Graphenano Dental General Manager Jesús Martínez. He went on to say that “the appearance is extremely natural and resolves all the mechanical, physico-chemical and biological failures of the rest of the materials currently used in the industry”.

The incorporation of graphene into polymers is an innovative strategy to improve mechanical properties, increasing the elastic modulus as well as the tenacity, reducing the appearance of cracks and/or the spreading of them, as well as decreasing the shrinkage rate during polymerisation.

“Our material also benefits patients, of course, as it is really light and a lot softer than zirconia. A zirconia prosthesis that weighs 70 g may only weigh as little as 12 g when manufactured using the resin and graphene combination. With G-CAM, patients feel no difference to their natural teeth,” Martinez added.

G-CAM has a CE mark, and Graphenano Dental has thus mainly focused on the European market, but is steadily branching out. The South and North American markets are its next target. The G-CAM disc has been submitted to the U.S. Food and Drug Administration for market clearance, and it will be available throughout the US in two to three months. To find out more about Graphenano Dental and the G-CAM disc, visit www.graphenanodental.com.
“We’re giving dentists the ability to clearly communicate their diagnoses”

An interview with Pearl founder and CEO Ophir Tanz

Mr Tanz, you chose to leave your leading role in another AI company you founded, which focused on media, in order to launch Pearl. What made you turn to the dental field?

I spun Pearl out of my previous company, so it was a gradual shift. I’ve been interested in AI since I was a student. The early 2000s brought significant advances in the field. My previous company focused on media, which is largely visual, so we started working with computer vision, the category of AI that focuses on visual intelligence. I knew AI was a paradigm-shifting technology, and I started looking for new applications for our computer vision capabilities. Radiology was a fairly obvious choice. I investigated several medical fields and decided that dentistry would be the best. We began collecting and annotating radiographs to train an AI to perform dental diagnoses and assembled what is, to my knowledge, the largest collection of expertly annotated panoramic, bitewing and periapical images in the world. All that early development work took place at my previous company. Ultimately, I decided to spin off the dental division as Pearl, because I wanted to focus more on it. I guess you could say it was my baby. I saw how much potential it had to transform the dental field, and I wanted to give it my full attention.

You said you investigated several medical applications for AI. Why did you choose dentistry?

My dad’s a retired dentist, so I grew up in a practice, which may have influenced me a little. However, the main reason was that dentistry is uniquely suited to AI—at least compared with most other medical fields.

In what way?

It’s unique in several ways. In other fields you have radiologists—experts who are well educated and well paid. They are the gatekeepers who would have to give AI their blessing and push it forward in an organization, but they would naturally feel threatened by something that might be able to do their job better than they could. They wouldn’t want to become redundant. Therefore, the threat of technology taking over the role of the key diagnostician creates a great deal of friction for anyone trying to introduce an AI radiology tool. However, in dentistry there is little of that friction because dentists aren’t radiologists. They’re asked to do that work, but it’s not their specialty and you’re not taking anything away from them by giving them a tool that helps them identify the conditions they’re trained to treat. Another difference is that, because of privacy concerns, there’s a much higher level of sensitivity around data associated with other medical fields. For brain cancer, lung cancer or mammography, it’s incredibly difficult to acquire the massive amounts of data that is needed to train the AI.

Was it easy to acquire data in dentistry?

Raw data, yes. You have to employ experts to annotate the data, which is very time consuming and expensive, but obtaining radiographs is relatively easy. We actually have an excess of radiographs—far more than we will ever need to annotate. However, in other fields nobody wants to share imagery. And even when you are able to acquire that data, it’s incredibly scarce compared with what’s available in dentistry. If you do obtain that data, then of course, the final point of friction in other medical fields is that you’re dealing with large hospital systems, which are quite hard to penetrate. These systems are incredibly bureaucratic. They’re legacy-oriented. It’s hard to sell into them. You go through the trouble to acquire data and convince radiologists to give your technology their blessing, only to be faced with the challenge of actually being accepted into the hospital system.

Would you say dentistry is more adaptable when it comes to new technologies?

Yes, for AI in particular. In dentistry, you have plenty of data, and you have dentists who won’t be adversely affected by AI—who, in fact, want it. In addition, it is easier to get into dental practices, as they are smaller, more agile and generally more interested in cost-effective innovation. Individual dentists and dental practices form a very entrepreneurial group. They want to make more money, deliver better care, and reduce overheads and liability. Also, they’re able to make adoption decisions directly, whether it’s an individual practice, a tenure group, or even a thousand-office corporate dental company. I don’t mean to say there aren’t any hurdles for AI in dentistry, but they are considerably smaller than those in other medical areas.

What hurdles do you see as you prepare to release Second Opinion?

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Extension of Ceramill CAD/CAM workflow

Digital solutions from Amann Girrbach lead the way into the dental practice

With its Ceramill Direct Restoration Solution (DRS), Amann Girrbach has extended its integrated digital workflow to the dentist and thus closed the communication gap that existed between the dental practice and the laboratory. The new digital workflow from Amann Girrbach has been designed to enable interdisciplinary future-oriented collaboration and streamlined production processes that enable same-day dentistry.

In this process, both partners contribute their core competencies in order to provide patients with definitive and functional prostheses in a more timely and less complicated way. The delivery of smaller units is possible on the same day, depending on the local distance between the two partners.

Depending on the type of collaboration that is desired, three team workflows are available in combination with the corresponding Ceramill DRS Kits. In each case, the central basis of these workflows is aG.Live, a new digital platform that provides the infrastructure and patient case management procedures to support a level of consistency and efficiency that was previously unattainable. As such, aG.Live takes communication and collaboration between the practice and the laboratory to an entirely new level.

Virtual platform aG.Live creates freedom, more efficient processes and greater customer proximity

With aG.Live, Amann Girrbach has started the largest digitisation offensive in the company’s history. This web-based portal for collaboration between laboratories and dentists offers comprehensive digital services at all levels. For example, aG.Live is a central tool for digital case management, networking, infrastructure, material management and support services. It is also a knowledge database that will gradually replace the company’s previous CI customer portal.

On the one hand, the platform networks machines and materials in the laboratory, thereby simplifying processes and increasing quality and reproducibility. On the other hand, the greatest advancement is that aG.Live connects the growing global network of dental professionals who are operating digitally. This bridges the interdisciplinary gap between dentists and dental technicians and facilitates future-oriented cooperation. Furthermore, within this network of optimised and new partnerships, participants can focus on their strengths and better position themselves on the market.

Extending the digital Ceramill CAD/CAM workflow to the dentist

The Ceramill DRS Connection Kit is the basic entry-level option, with which dentists and laboratories can already take full advantage of digitisation. It consists of a Ceramill Map DRS intra-oral scanner, the associated scan software and the connection to aG.Live. Any order data, including all the required information, can therefore be shared with the laboratory seamlessly and in real time via aG.Live. This eliminates the need for handwritten job sheets and conventional impressions. All that is necessary is the physical delivery of the restoration to the dental practice, and this is possible on the same day in cases of simple restorations. Such timely delivery can lead to a better dental experience for the patient and could ultimately attract new patients to the practice and generate more orders for the laboratory.

If the preferred material is zirconia, the High-Speed Zirconia Kit, consisting of Zolid DRS zirconia and a corresponding Ceramill Thermo DRS sintering furnace, can optimally support the laboratory in fabricating straightforward zirconia restorations on the same day.

In an additional step—which can provide patients with their prostheses even faster—the system in the dental practice can be upgraded at any time with the Ceramill DRS Production Kit. This allows simple restorations to be fabricated in the practice and placed in the patient’s mouth in a single session.

All Ceramill DRS Kits are currently available for pre-ordering within Germany, and the High-Speed Zirconia Kit is already available to laboratories. Early bird DRS users benefit from particularly close support from the DRS specialists at Amann Girrbach. For further information and to pre-order, visit: www.ceramill-drs.com.

Free online presentation about the innovative Ceramill DRS

In this online presentation, Amann Girrbach explains why it places the dental laboratory at the centre of the prosthetic workflow and ensures the highest possible quality and patient satisfaction through close integration and digital exchange with the dentist. Even with the basic version, the Ceramill DRS Connection Kit and the link to the aG.Live digital platform, the practice and laboratory can connect in a unique manner and take full advantage of the benefits of digitisation. The presentation also explains interdisciplinary collaboration for restorations in a single session or on the same day, using the upgrades to the Ceramill DRS Production Kit and the DRS High-Speed Zirconia Kit.


More information can be found at www.amann girrbach.com.
time, we started developing unique 3D-printing technology, and later we turned our focus to the dental industry.

We interviewed László Diósi, global sales manager at VOXELTEK, and Tamás Liszkai, the company’s product development manager, to find out more.

Can you please tell us about the company – when and how did you get started?

Liszkai: The company was incorporated in 2013 in Budapest. At that time, we started developing unique 3D-printing technology, and later we turned our focus to the dental industry.

What has changed since IDS 2017, in terms of the technology and what you are offering dentists?

Liszkai: At that time, 3D printing was still relatively new and not as widespread as it is today. Accordingly, we had a lot of discussions with potential clients about the core, very basic principles of the technology. In the last few years, we have spent much less time explaining the technology because people are more knowledgeable and they seem to know what 3D printing is all about. Not only are they more aware of it, but also they seem to understand what this technology can do for them in terms of the digital manufacturing of dental parts.

What do you think about the new developments that are taking place in 3D-printing applications in dentistry?

Liszkai: We have seen some very interesting developments in the field of 3D-printing materials, such as splint materials, directly printed clear aligners and permanent crowns, and these developments make us very excited about the near future of 3D-printing applications in dentistry.

If a dentist here at IDS asks you why he or she should get a 3D printer, what would you answer?

Diósi: If he or she wants to print reliable, temporary crowns or model the fast and efficient way, we have the solution to do that in-house. Liszkai: The dentist could shop elsewhere and spend a lot more money in order to get the same solution, or he or she could come to us and get a solution of equal quality for a lower price.

What is the most notable application in your view?

Liszkai: In terms of applications, our 3D printers are much more accessible—much more affordable—for small and mid-sized laboratories compared with some competitor products, which are in the higher price range. It goes without saying that we have always aimed to match, or even exceed, the quality that is being offered by some of the larger players in the industry.

What would you say about the future of desktop 3D printing in dentistry?

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We feel very proud and excited to be part of the revolution that is taking place, and we are doing our best to come up with our own developments and applications that will take 3D printing for dental applications even further.

What else can you tell me about the company?

Diósi: In addition to offering 3D printers, we manufacture 3D desktop dental scanners and light polymerising boxes for final polymerisation of our 3D-printed products. We also offer a cabinet for storing the items. These four solutions can be combined into one system, which we call VOXELTEK FLOW, and this provides an easy option for starting with 3D digital printing in a laboratory, because laboratories have already realised that, with the wider use of intra-oral scanners, if they do not adopt the technology in the laboratory, then they may lose their existing customers.

What is your advice for smaller laboratories to get started with 3D digital printing?

Liszkai: We like to maximise output and quality at an affordable price. We feel very proud and excited to be part of the revolution that is taking place, and we are doing our best to come up with our own developments and applications that will take 3D printing for dental applications even further.

What is your advice for smaller laboratories to get started with 3D digital printing?

Liszkai: We offer the printers at a lower price. To sum it up, we like to maximise output and quality at an affordable price.
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