

SHINING 3D SHARES COMPLETE WORKFLOW SOLUTIONS AND MAJOR ANNOUNCEMENTS



SHINING 3D focuses entirely on 3D-digitising and 3D-printing solutions, developing a full suite of digital products for both dental clinics and dental laboratories. The SHINING 3D portfolio aims to offer a complete solution covering the needs of both clinics and laboratories, includ-

ing intra-oral and desktop 3D scanners and digital light processing and liquid crystal display 3D printers.

The exhibition will be a great opportunity to have a closer look and to discover SHINING 3D's complete workflow. Powerful, efficient and user-

friendly solutions will be showcased, and attendees will be able to discover news from SHINING 3D exclusively at IDS.

Among the technology on display will be the AccuFab-L4D—a large-platform 3D printer with 4K resolution that supports the printing of different types of professional dental appliances and improves the efficiency of denture fabrication.

SHINING 3D's Aoralscan 3 intra-oral scanner improves the overall clinical experience with its powerful and intelligent data processing capabilities. The scanning speed and the accuracy of the previous model have been improved by up to 30%, allowing for better results.

AutoScan-DS-EX Pro(H) is the latest addition to SHINING 3D's portfolio of desktop scanners. It is equipped with dual 5 MP cameras, achieving a scanning accuracy of $\leq 8 \mu\text{m}$ and thus satisfying the requirement of various applications in the dental industry.

This year, SHINING 3D will be making some big announcements, such as the debut of its first wireless intra-oral scanner, Aoralscan 3 Wire-

less, which provides freedom from constraints and secondary contamination, thus enhancing the whole treatment experience. It includes a fast-heating scanning tip, greatly reduces post-processing time and boasts an outstanding power supply, among its many great features.

MetiSmile is SHINING 3D's first self-developed and manufactured facial scanner for dental applications. It can quickly capture facial information for 3D modelling in vivid texture and features mandibular movement tracking and facial measuring functions.

Fabwash is a multistage part-releasing, washing and drying system built to deliver the ease of use, consistency, speed and cleanliness demanded by dental clinics employing 3D printing. ◀

SHINING 3D Technology, Germany
www.shining3ddental.com
Hall 3.1, Booth K040/L049

DMP DENTAL: CREATE BRIGHT SMILES

DMP has more than 35 years of experience in dental material manufacturing, and the company successfully supplies the dental market worldwide, achieving top quality and reliability through the integrity, passion and commitment ingrained in DMP's culture. DMP is best known for BONASIL—its broad range of silicone impression materials—and for its BRIGHT line of aesthetic filling materials. DMP aims to create bright smiles and to provide the highest level of satisfaction by closely cooperating with its customers and maintaining a high degree of flexibility in catering for individual market needs.

Leading DMP's BRIGHT range of composites is NANOCERAM-BRIGHT, a nano-hybrid composite formulated with a special blend of nano- and micro-fillers. Its superior aesthetics result from an advanced method of integrating the nanoparticles in the resin ma-

trix. The size of the nanoparticles permits a rapid polish after polymerisation and exhibits very low wear in the long term. NANOCERAM-BRIGHT's excellent non-sticky handling is complemented by its ease in sculpting with no slumping. The high filler loading, combined with fine particle size distribution, leads to superior marginal integrity and eliminates microleakage while minimising postoperative sensitivity.

Tooth interface longevity is further enhanced by low polymerisation shrinkage and high flexural strength. The composite filler contains a scientifically developed blend of opaque and translucent components in order to assure a normal vitality. It has sufficient opacity to mask darkness and enough translucency to offer a vibrant, natural appearance. NANOCERAM-BRIGHT's chameleon effect, along with a comprehensive range of restorative

tints, offers excellent shade matching for restorations. During the finishing and polishing stages of a resin restoration, the filler particle size makes it possible to achieve a high-gloss surface quickly and easily. ◀

DMP Dental, Greece
www.dmpdental.com
Hall 10.1
Booth B028/C029



CEPPRO: EVOLVING BEYOND DIGITAL ORTHODONTIC DIAGNOSIS

DDH seeks to increase clinical utilisation of digital dentistry by developing digital dentistry solutions and services that employ artificial intelligence (AI) and providing these through its digital dentistry platform. Currently, more than 350 member clinics in South Korea use its online AI-based orthodontic diagnosis support solutions and clear aligner services.

DDH's CEPPRO is a cloud-based automated cephalometric analyser and real-time orthodontic diagnosis support solution developed

through AI learning on extensive clinical data. Being an online service, CEPPRO is more convenient and efficient than traditional installed software and offers high cost-effectiveness.

It automatically identifies 78 cephalometric/anthropometric landmarks on cephalometric images in real time, including 34 facial soft-tissue landmarks and 44 hard-tissue landmarks. The large number of landmarks detected supports accurate analysis of the clinical case and realistic visualisation. CEPPRO also presents measure-

ment analysis results and has a visual treatment objective function that automatically aligns the cephalometric image with facial photographs and optimises the envisioned soft-tissue changes after hard-tissue movement. These features ensure a real-time visualisation of treatment results for patient consultation, thereby increasing treatment efficiency and acceptance at the same time.

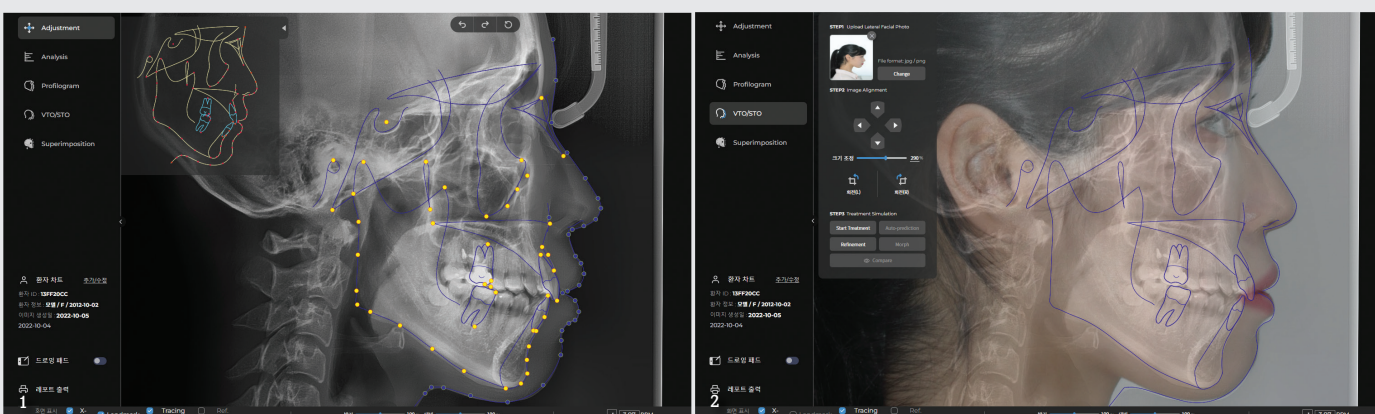
CEPPRO has been certified by the Korea Ministry of Food and Drug Safety and obtained the CE mark. It was developed through long-term

research and development collaboration with Seoul National University School of Dentistry.

Signing up for DDH free membership grants immediate access to the software. Currently, CEPPRO 2.01 is available free, and CEPPRO 3.0, which is scheduled to launch in the first half of this year, will offer a free trial period after launch and a low monthly subscription fee option thereafter. There is no need to purchase expensive software licences or upgrades, and CEPPRO provides on-demand service and the most up-to-date version of the program. Users do not need a high-performance computer, as CEPPRO is a fast web-based service.

The upcoming Version 3.0 enhances user-friendliness and patient consultation functions compared with the existing version, adds superimposition with the latest AI technology and applies more advanced AI functions to predict treatment results. ◀

DDH, South Korea
www.ddhinc.net/en/
Hall 4.2, Booth K079



Figs. 1 & 2: CEPPRO 3.0.