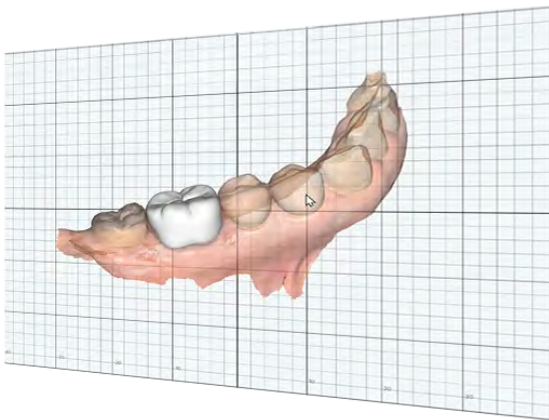# Automated

World's First AI-Based Web Dental CAD Solution

One-click Crown Design

Dentbird Crown is an automatic crown design module that uses a patient's 3D scan data and artificial intelligence (AI) technology to automatically generate a crown prosthesis design in seconds. Dentbird Crown's AI automatically finds the tooth that requires crown design, identifies and suggests an optimized margin line for the prosthesis, and after considering the surrounding and antagonist teeth, creates an optimal crown design in seconds.

The crown design can be downloaded in common file formats (.STL, .OBJ, .PLY, etc) and sent to a 3D printer or milling machine for an immediate prosthesis production.

Dentbird crown

Digital is the Future

Bring Dentbird into your Clinic, the new standard of digital dentisry, and experience the New Horizon of Digital Treatment.
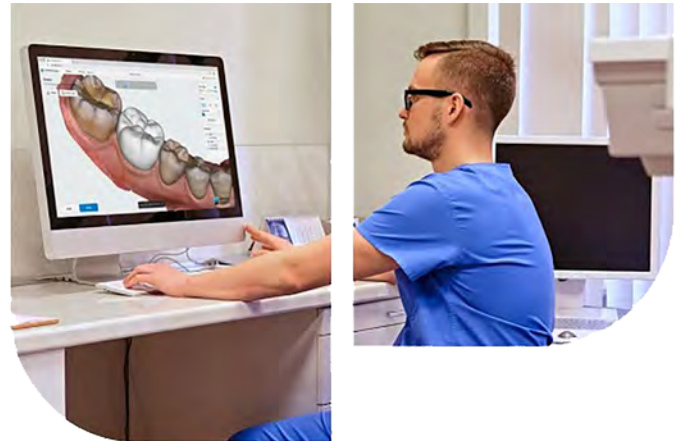
Generated Cases	Create Crown in	Monthly Active	Active in
63,745+	**3 clicks**	**1,500+ Users**	**96+Countries**

AUTO PREP DETECTION	AUTO MARGIN LINE DETECTION	AI DESIGN SUGGESTION

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Making the future of
Digital Medicine
for Everyone

Imagoworks Inc. offers a web-based Dental CAD solution using AI, streamlining the digital workflow for dental professionals. Together with world-class technology, they are setting new standards for digital dentistry in the global market. Their mission is to **"Making the future of digital medicine for everyone"**. While they have accumulated technological expertise in the medical field for over 10 years, specializing in AI-based   mation, 3D geometric modeling and mesh processing, and software as a service (SaaS), they now turn their focus to commercializing their innovative technologies and transforming the field of digital dentistry.

By cooperating with and licensing to leading global dental companies, they are seeing great success as they find themselves in the industry spotlight. Imagoworks currently offers Dentbird Crown which automatically generates optimal crown design with a single click and without any software installation. As they continue to expand their services, Imagoworks aims to be recognized as a chairside design solution for dentists worldwide.

ARTIFICIAL INTELLIGENCE
Imagoworks have developed AI technologies for various modalities in medicine: from structured data (X-ray image, 3D CT volume) to unstructured data (3D point-cloud, mesh data). The classification, segmentation, detection, and 3D model generation can be automated using their state-of-the-art deep learning technology.

CAD
Computer Aided Design became an essential technology for prosthetics and orthodontics. They have developed robust and efficient 3D geometrical modeling and mesh operation algorithms such as Boolean operation, registration, smoothing, cutting, and deformation.

CLOUD
Imagoworks develop cloud-based medical solutions: SaaS (Software as a Service) and AIaaS (AI as a Service) that run on the HTML5 web browser (Edge, Safari, optimized for Chrome). They provide 3DMe Studio, an AI-based digital dentistry CAD solution. You can carry out AI alignment, inspection, Boolean operations, and much more WITHOUT ANY INSTALLATION!

Dentbird crown
Reduce prosthesis design time to less than 1 minute

Imagoworks®

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