DENTAL DESIGN - UPCAD

Full Dental CAD/CAM Solution

FULL DENTAL CAD/CAM SOLUTION

**DIGITAL
TECHNOLOGY
IMPROVES LIFE**

(P UP3D

COMPANY PROFILE

Shenzhen UP3D Tech Co., Ltd.(Simplified UP3D) is the first independent research and development of dental CAD/CAM software company in China, UP3D was founded to focus on the development and manufacture of a full dental CAD/CAM solution, has obtained several patents and technological breakthroughs. UP3D is a national high-tech enterprise, a Shenzhen high-tech enterprise, and a national "HIDDEN CHAMPIONS" enterprise.

A high-quality hardware and software R&D team has been established in Hangzhou and Chongqing as well as the company's headquarters, manufacturing center, and production base in Nanshan District, Shenzhen. As a global provider of full digital solutions, UP3D, which cover the full process of dental manufacturing from high-precision blue light model scanner series, CAD/-CAM software, CNC software and the first 5-axis intelligent milling system in China.

The full dental CAD/CAM solution independently developed by UP3D has been sold to more than 120 countries and regions around the world, and UP3D is one of the only few companies in the word with full digital dental software and hardware development capabilities. UP3D remains dedicated to provide high-quality digital solutions for the Chinese and global dental markets, helping to promote the digital revolution in the global dental market, and helping the global dentisrty to provide more accurate and comfortable dental services for patients.

DIGITAL
DENTAL SYSTEM

The goal of dentists and dental technicians has always been to give patients restorative results that surpass those of real teeth. However, for restorative dentistry, the aesthetic morphology of the teeth must be improved as well as the masticatory function restored.

Therefore, most dental technicians are unable to combine aesthetics and practicality in traditional dentistry.

Digital dentistry has changed all of this, making traditional dental treatment easier through computer-aided design and processing, eliminating complex milling processes, and using UPCAD's integrated digital milling equipment, allowing lab to more easily complete the difficult denture design. In the digital process of dentistry, CAD is as important as the heart is to human beings, playing a key role in carrying the whole picture of activity.

UPCAD designs restorative products to interface with all types of open machining systems commonly found in the market, including milling and 3D printing systems.

By doing this, the quality of the restorations is maximized, resulting in more aesthetically pleasing and accurate restorations.

UP3D

DESIGN YOUR SMILE

Strong capability of data calculation

Easy workflow

Wide range of indication

UP3D remains dedicated to

create a new standard of aesthetic dentistry

UP3D insists on developing modular, standardized, intelligent, and customized dental design software products and solutions, and realizes the simplification of the dental production process through digital technology. As a design software independently developed by UP3D for dental technicians, UPCAD is also the first denture design software in China. It is simple and easy to learn, easy to use, and supports real-time sharing of orders to achieve efficient management. At the same time, it has a rich crown database and multiple parameter setting solutions and supports users to use a database by themselves, which effectively helps to process lab save training costs, improve production efficiency, and make dental restorations more fitting and aesthetically better.

Unique order real-time sharing function can help labs and clinics to achieve efficient collaborative management.

The rich crown database can help technicians easily cope with various indications.

Multiple parameter setting solutions can help each technician easily design the tooth shape, to maximize the aesthetic of denture in their needs .

# Productivity maximizes and personality customize

UP3D strictly control the design and functionality of the software in terms of product quality: a user-friendly interface, wide indications, intelligent guide workflow, rich and diverse database services, open interface for each software module, reducing the costs of digital transformation and learning, and becoming a familiar and reliable dental technician application.
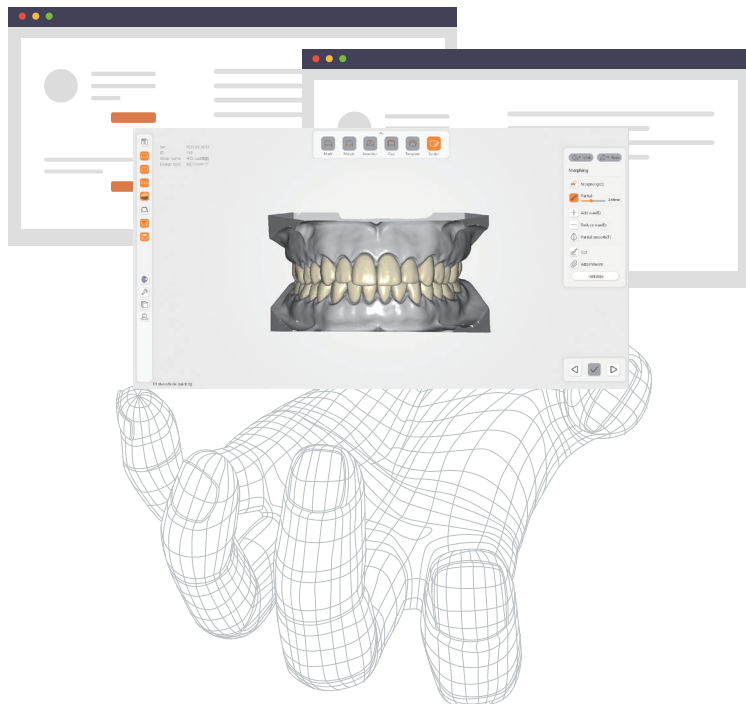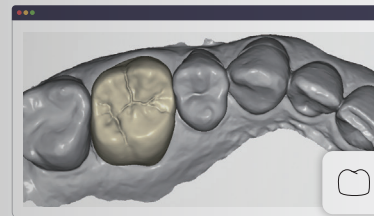

UPCAD Basic Version

Support basic restorations design requirements

BASIC DESIGN FUNCTIONS
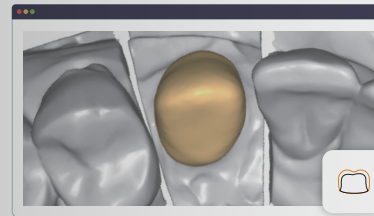
Coping design

The most basic restoration, the margin lines and teeth will be caculated smartly and make the coping generation easy and fast.

Full contour crown design

A rich customized database makes user design more convenient and provides a variety of design style choices.
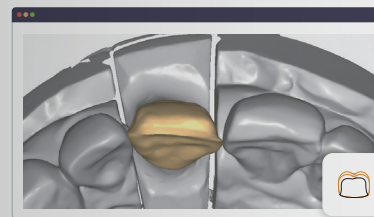
Reduce crown design

Precise margin line generation makes the reduce crown no longer complex, and accurate data generation makes the crown data more smooth and beautiful .

The basic version UPCAD including various common indications of dental digital design,intuitive user interface,simplified design process of dental restoration, supporting the dental labtories manufaceture their cases rapidly. At the same time, we prepared additional modules for UPCAD, they can be selected and applied flexibly according to your needs.
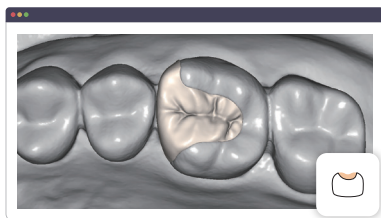
BASIC DESIGN FUNCTIONS

Crown-bridge design

Sectional margin line drawing makes the bridge design more accurate and flexible.
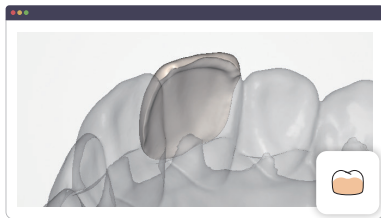
Veneer design

Aesthetic restoration design to ensure the appearance of veneer.

In/on lay design

You may design a beautiful and natural in/on lay quickly and easily.

Additional modules design

Wax-up module:

Created fro the masters who are more confident in their own craft.

Model edition module:

Helping you to processing the models, the FILL HOLE and CONNECT function is faster than competing softwares and more accurate.

4D virtuality module:

Easily intergate almost all of the open data sources which are related to cases: including intraoral or gypsum model scan data, 3D face scan data, jaw occlusion moment data, DICOM data. With these data, we can create a morden 4D virtual patient.
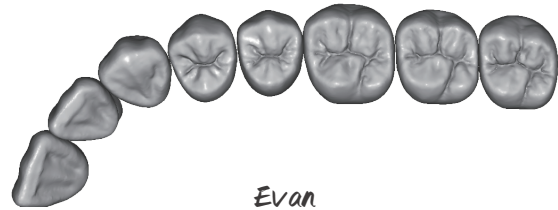
· **Rich restoration templates**
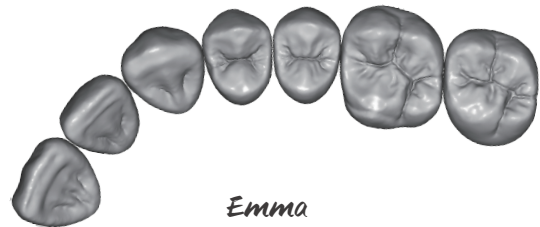
Providing abundant inspiration for dental design.

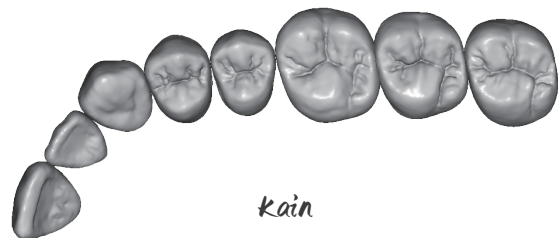· **Opening database**

Supporting you to create your own customized database.
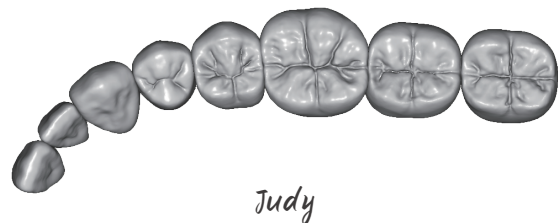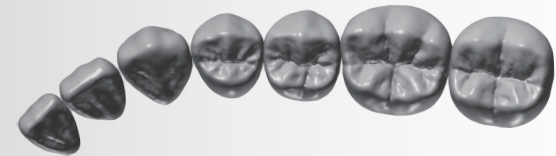
BASIC DESIGN FUNCTIONS
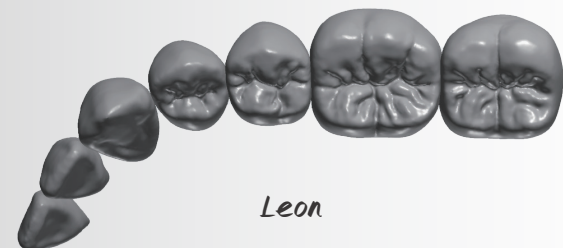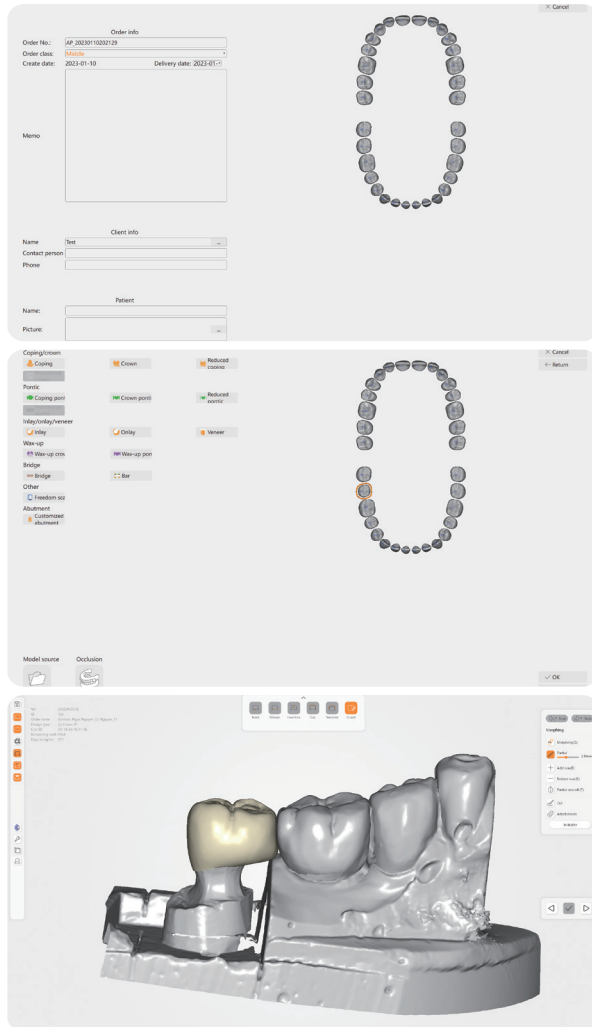
Evan

Emma

Kain

Judy

Eva

Joy

Leon

Chandler

Three advantages of the basic version ①

Simple and friendly user interface, easy and intuitional operations.
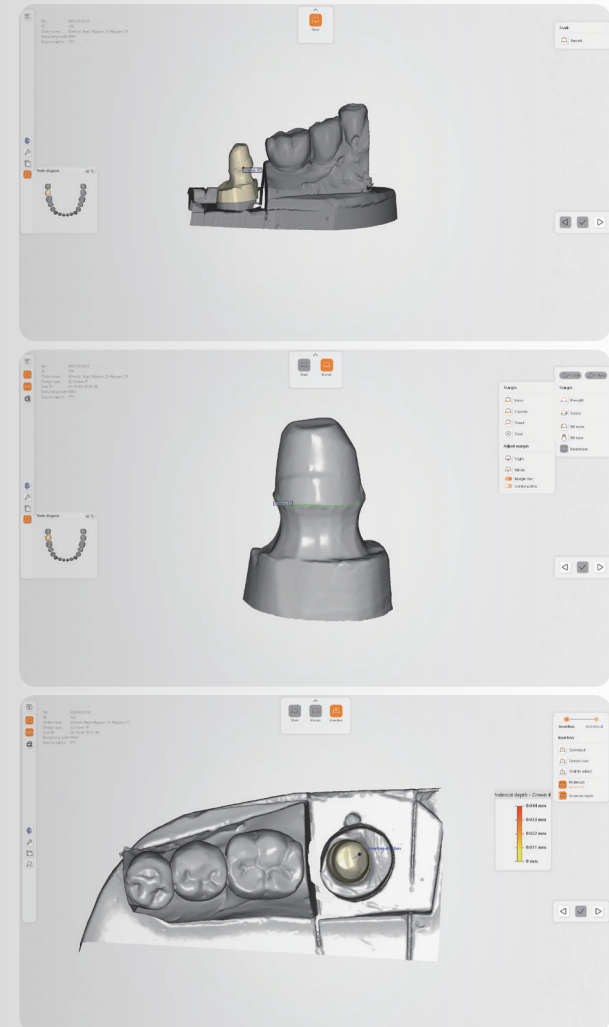
—— Help the users to finish their design efficiently.

Three advantages of the basic version ②

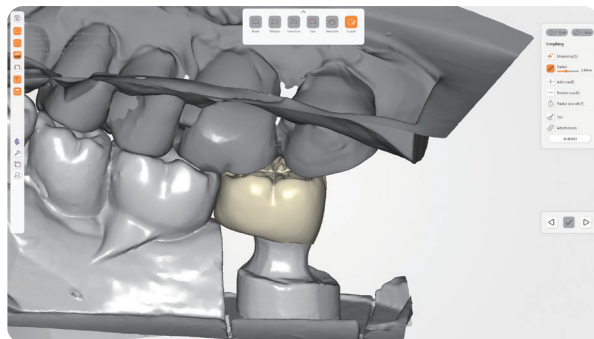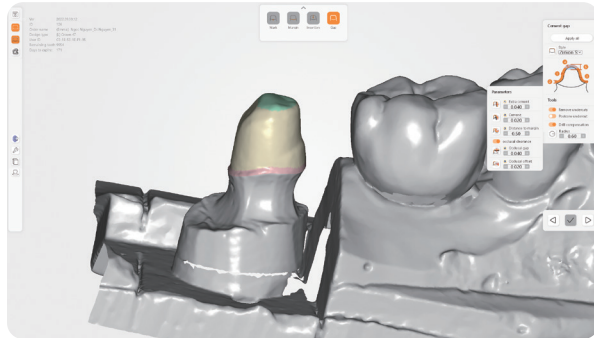Wizard process design, practical and complete functions.

—— Friendly to beginners

UPCAD

Three advantages of the basic version ②

Wizard process design, practical and complete functions.

—— Friendly to beginners

Three advantages of the basic version ③

Highly compatible hardware , open and flexible options.

—— Fit with all scanning and milling equipments on the market.

SCANNER

UP560　　　　　UP1000　　　　　UP600

MILLING MACHINE

P53-DC　　　　　P53　　　　　P42

DENTAL LAB CAD/CAM SOLUTION

UP3D build a full solusion with precision and effection for your dental lab, using the reliable technician side design and digital dental intelligent milling to satisfy any production needs from quick and mass to complex and customized.

Mode Scan

High detail,
high precision,
high definition
3D blue light
scanner UP1000

Design

Self-developed
CAD/CAM design and
layout software
basic version

Cutting

Automatic material
change, remote control,
five-axis intelligent
denture engraving
machine P53-DC

Sintering

Stable quality and
reliable results

Perfect wearing teeth

Full visualization,
perfect restoration,
meet all needs

UPCAD design for clinicians

CAD/CAM for the same-day dentistry

UPCAD Chairside is an integrated CAD and CAM program developed specifically for dentists. A simple process for just three clicks greatly improve the efficiency of work by dentists. The smile design strategies give you more control over the results, which is a great help for dentist-patient communication.
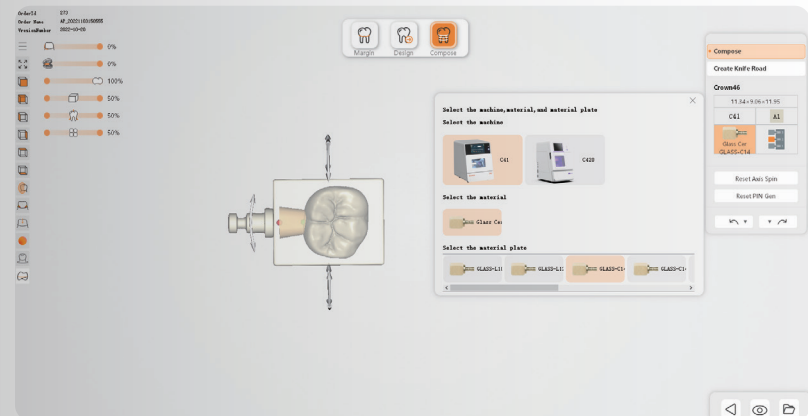
Just three clicks to your ideal design!

Margin
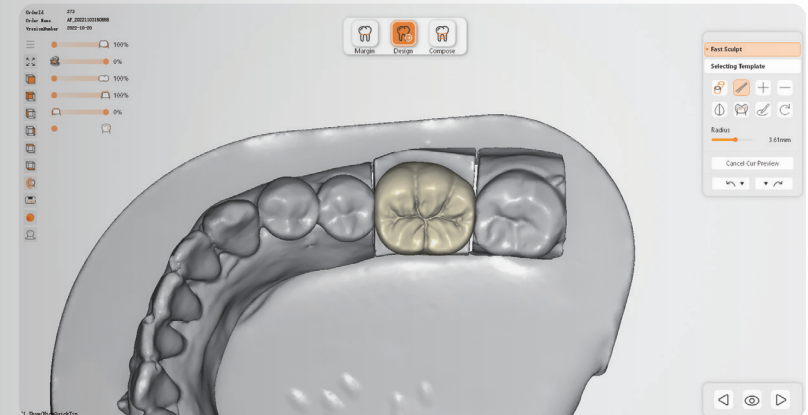
Design

Compose

CHAIRSIDE CAD/CAM SOLUTION

With our chairside CAD/CAM solution, UP3D deliver a full dental solution that incorporates scan, design, and milling to meet patient needs in the same-dentistry with simplified and intuitive chairside design.

Scanner

Comfortable, precise and efficient intraoral scanner UP600

Design

Self-developed CAD/CAM design and layout software chairside version

Grinding

Fast grinding, precise and accurate, cloud tooth carving grinder C420

Printing

Intelligent and automated, easy to start and operate

**Sintering**

Stable quality and reliable results

Perfect tooth wear

Full visualization, perfect restoration for all needs

Optimal production system-UPCAM 2023

Automated Denture Nesting Software

Our newly developed latest generation UPCAM 2023 integrates dental-specific automated nesting technology and efficient 5-axis CAM strategies to minimise manual input and create an optimised process for machining precision denture, thus seamlessly linking planning and digital production.
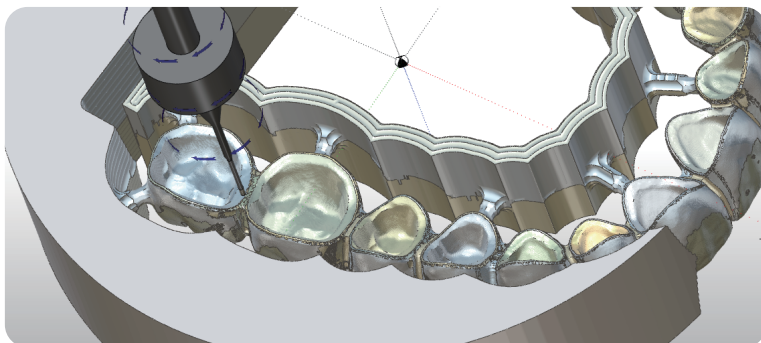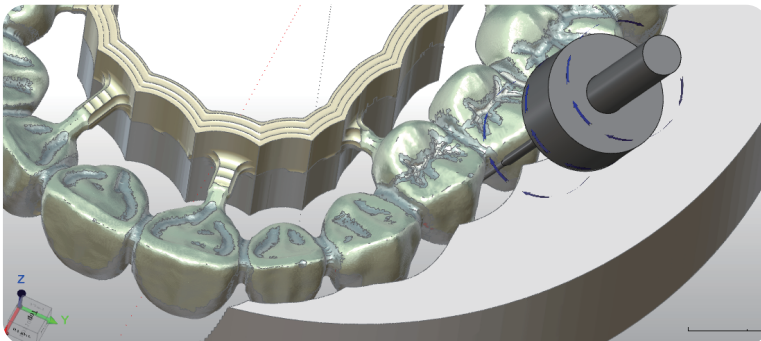

In the Dental labs, CAD/CAM is directly linked to the milling machine, making it a one-stop shop for front and back-end data flow, and design data can be transferred to other back-end processes or accepted for scanning at other front end at any time.

Data generated by the UPCAD can be imported into the UPCAM with a single click in a chairside environment, greatly simplifying the workflow and making clinical chairside production less of a burden. Complex cases are connected to the Smart Milling Factory, and the UPCAM's efficient and easy-to-use remote operation function makes unattended denture production possible.

Extremely fast CAM toolpath calculation
Single crown NC file generation in just 30 seconds
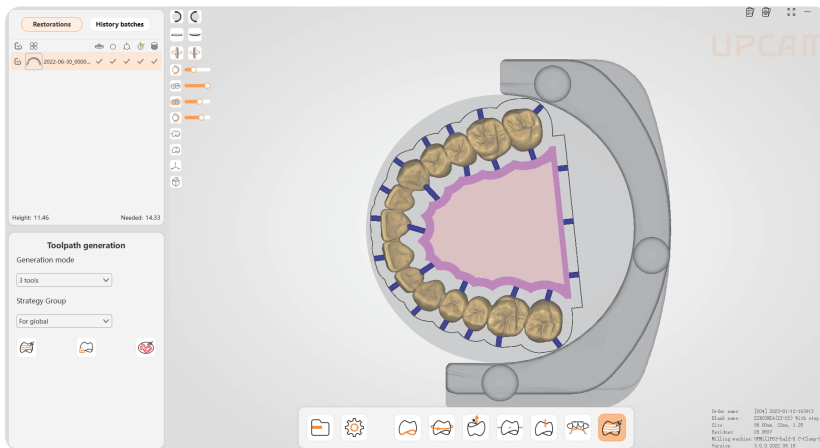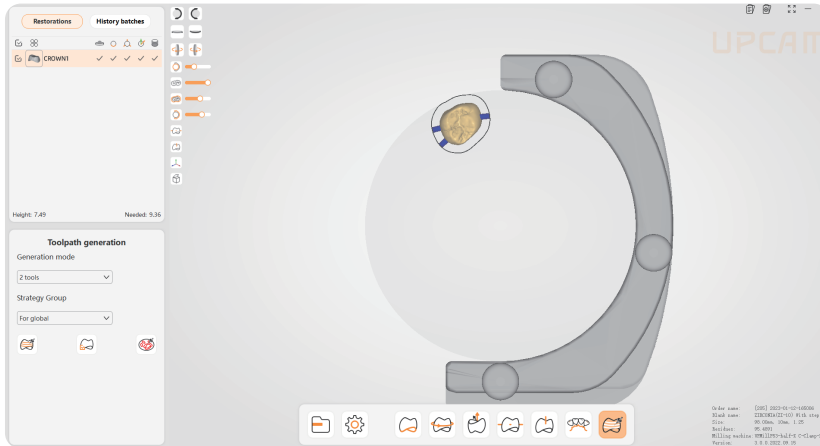
SUPPORT ALL KINDS OF RESTORATION MILLING

· Support multi-layers

· Internal material template

· Automatic recognize the best nesting position

· Visible simulation tool path

· Personalized solution (customizable)

WHY CHOOSE UPCAD ?

Five reasons for choosing UPCAD

UPCAD cover an extensive variety of indications with an intuitive user interface and a simplified design process for dental restorations. At the same time, UPCAD has optional upgrade with more modules making it the ideal choice for our customers' evolving needs.

Mutiple design options for indications

UPCAD can be used for both aesthetic and functional dental restorative design.

Instant and effective technical support service

More than 100 people professional after-sales technical team to provide software training and support, instant and efficient responses.

User-friendly

UPCAD wizard-guided workflow enables newcomers to quickly get started without any extensive training.

Flexible workflow

UPCAD's result-oriented principle allows you to control every step according to your design, allowing for maximum flexibility and freedom of choice.

Full-service digital dental solution

The UP3DLINK system, developed by UP3D, perfectly realizes the efficient collaboration of all hardware and software.

COMING SOON

MORE UPCAD MODULES

COMING SOON

Removable Denture
Module

Orthodontic
Module

Implant
Module