One-Stop Dental CAD/CAM Solution

Up3d

Follow us!

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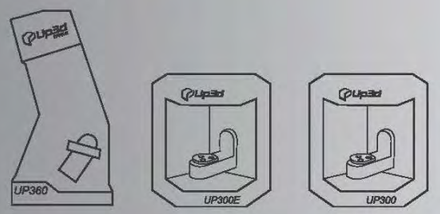
UP3D Tech

One-stop Dental CAD/CAM Solution

UP3D is a high tech company headquartered in Shenzhen in 2013.
UP3D released the first blue light scanner in China in 2014, also the first and only commercialized dental CAD-UPCAD in 2015. By 2018, Up3d has released a series of model scanners, design sw, dental CAM sw and dental milling machines.
We are committed to provide our world wide customers with high quality dental cadcam products to benefit from the digital dental revolution.

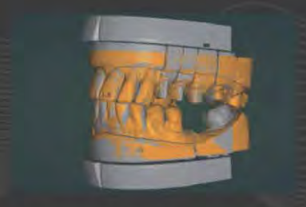
Dental scanners



UP3D blue light scanner series

Big articulator scan

Capture occlusion relationship directly by side-lay scan big articulators.



Automatic alignment

Intelligent algorithm to automatically align dies to jaws or jaws to bite.

Applications

Veneer model, implant model, uncut model, and regular cut model, impressions

Blue light scanner

Adaptable color projector. Red,blue and white color projecting to adapt to complex model color

UPScan APP

Easy to operate scanning software, free upgrade

Margin drawing

Draw margin line in UPSCAN and exportmargin data to design software.

exocad

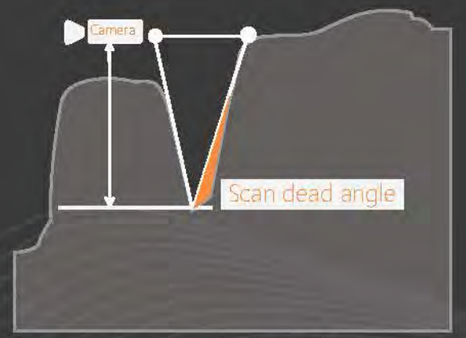
Integrated with exocad software, more convenient scanning and design workflow.

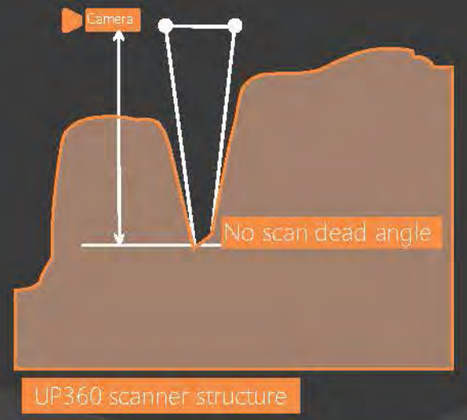
Up360

The world's first specialized uncut-model scanner

Scan without dead angle

Scan impression/uncut models; data without dead angle; No need fill holes.





High precision

Dual 2.0MP cameras, 6μm Accuracy

Others VS UP360

1.3MP VS 2.0MP

High speed

Triple tray

12 unit multi-dies scan

All-in-one

Scan full arch

Up300

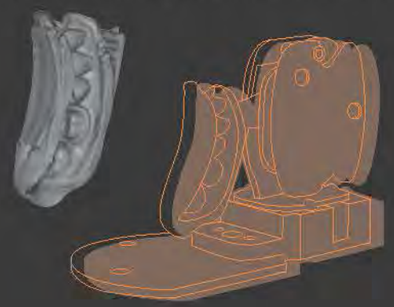
Scan has never been so fast

All-in-one

Scan a quadrant in 90s, 2 steps,saving 50% total work time.

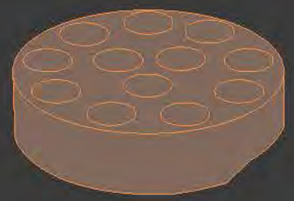
Triple tray

Digital impression is just one click away.



12 unit multi-dies scan

Scan 12 unit dies with free placement in 20s.



Up300E

The most economical scanner for you

High speed

Scan full arch: 25s; Scan upper&lower impression : 3 minutes

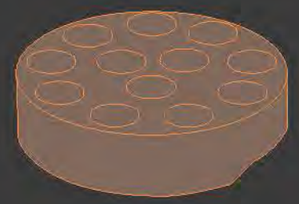
12 units multi-die scan

Model scanning

Highly cost effective

12 unit multi-die scan

Scan 12 unit die with free placement in 20s.



Smart Dental Milling Machine

4 Axis Smart Dental Milling Machine P4

5 Axis Smart Dental Milling Machine P5

UP3D'S independent R&D, with core technology, perfect combination of smart control system and unibody casting structure.
60%-80% energy saving than traditional dental milling machines.

Up3d

Automatic Calibration

Calibration with a single click

Smart initialization

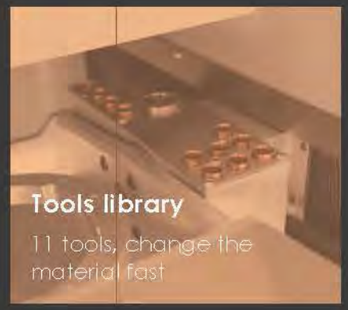
The first milling machine with automatic calibration and smart initialization in China

Materials saving

Special material-saving processing strategy and nesting method, zirconia disk C-clamp mode

One piece framework structure

Durable in use, more stable and anti-dust



Tools library

11 tools, change the material fast

Simple installation

DIY installation in 10 minutes

Small size

Portable, precise and stable

Support multiple restoration cases

Such as crown, bridge, coping, waxup, etc.

UPCNC software

One interface for multi-mills, easy to operate and one-click milling.

Highly integrated hardware and software

Excellent R&D strength makes easy operation and high efficiency

Independent R& D

All hardware and software are developed by Up3d. Intelligent control system perfectly merged with one-piece framework structure.

HTTP/RESUME

Automatically continue mill from the last interrupt step, avoiding repeated work flow and improving work efficiency by 80%

P4

- Saving energy up to 60-80% with P4 unibody structure compared with traditional devices
- The necessary dental milling machine for digital production with stable and small size feature.
- Intelligent control system, fool-proof operation.

Model	UPMill-P4
Dimension	620×430×560 (mm)
Weight	68Kg
Input voltage	AC 100~235V、50~60Hz
Max power	0.8KW
Spindle power	0.52KW (max)
Axis quantity	4 axis (tilt<15 degree)
Milling range	X/Y/Z: 165/135/70mm A: 360°
Milling mode	Dry milling
Max rotate speed	40,000~60,000rpm
Tools capacity	11
Tools changing	Automatic (air pressure>0.5 MPa)
Spindle cooling	Air cooling (air pressure: 0.25-0.35 MPa)
Milling materials	Zirconia, wax, PMMA, wood
Milling time	Zirconia(Coping): 8min、wax: 8min
	Zirconia(Crown): 10min、wax: 10min
Tools	2+1+0.6mm

P5

- 5-axis simultaneous motion offers better surface quality and better fitting.
- Save up to 50% on material and production costs
- Independent development, up3d master the core of technology

Model	P5
Dimension	620×430×560 (mm)
Weight	72Kg
Input voltage	AC 100~235V、50~60Hz
Max power	0.8KW
Spindle power	0.52KW (max)
Axis quantity	5-axis simultaneous
Milling range	X/Y/Z: 165/135/70mm A: ±30° B: 360°
Milling mode	Dry milling
Max rotate speed	40,000~60,000rpm
Tools capacity	11
Tools changing	Automatic (air pressure>0.5 MPa)
Spindle cooling	Air cooling (air pressure: 0.25-0.35 MPa)
Milling materials	Zirconia, wax, PMMA, wood
Milling time	Zirconia(Coping): 10min、wax: 8min
	Zirconia(Crown): 13min、wax: 10min
Tools	2+1+0.6mm

UPCAD

Simple,easy,intuitive

Function

UPCAD is an independently engineered dental design software by UP3D since 2011, more modules are coming in the future.

Crown (Bridge)

Coping

Veneer

Inlay/Onlay

More modules are coming soon...

Model Builder

Ortho

Implant

UPCAM

Compatible with up3d smart milling machine P4, P5.

Function

UPCAM is a dental CAM software which is developed by UP3D and ModuleWorks from Germany. (ModuleWorks is one of the most advanced CAM core algorithm supplier in the world). UPCAM supports all types of dental restoration processing, Different processing strategies to ensure the processing quality of each part.

Quality assurance (Germany Core)

Fast calculation

Easy operation

Customizable solution

Scanner

Model	Up300E	Up300	Up360
Presion	<10μm	<10μm	6μm
Camera	2*1.3MP	2*1.3MP	2*2.0MP
All-in-one scaning	-	√	√
One click scaning triple tray	-	√	√
Mark margin in scan software	-	√	√
Texture scanning	color texture	Color texture	Color texture
Impression scanning	★★	★★	★★★★★
Unsectioned model scanning	★★	★★	★★★★★
Speed:			
Speed(Full arch)	ϟϟϟϟϟ	ϟϟϟϟϟ	ϟϟϟϟϟ
Speed(Triple tray)	-	ϟϟϟϟϟ	ϟϟϟϟϟ
Size	300*330*400（mm）	300*330*400（mm）	305*310*550（mm）
Weight	10kg	10kg	14kg
Feature	High speed Lower cost 12 unit multi-dies scan	All-in-one scan one-click triple tray scan	Unsectioned model Impression

Function

Output format
STL；UM；PLY；OBJ

Scanning principle
Non-contact automatic scanning

Projector
Customized blue-light,
support multi-color scanning

Interface
USB 3.0

Power supply
AC110-220V，50HZ

Digital technology improves life