

One-Stop Dental CAD/CAM Solution



Up3d

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🌐 www.up3d.cn

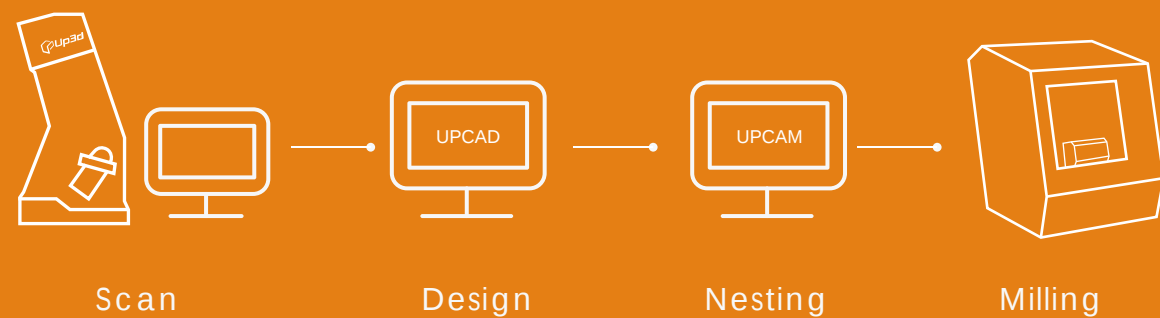
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UP3D Tech



One-stop Dental CAD/CAM Solution

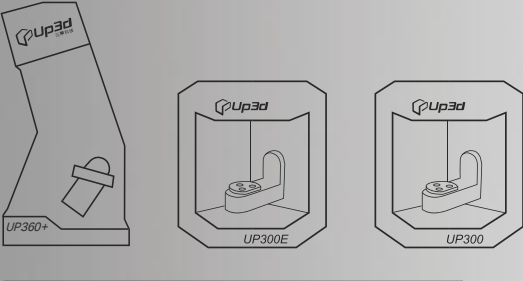


UP3D is a high tech company headquartered in Shenzhen in 2013.

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 had released a series of model scanners, design sw, dental CAM sw and dental milling machines.

We are committed to provide our worldwide customers with high quality dental cadcam products to benefit from the digital dental revolution.

Dental scanners

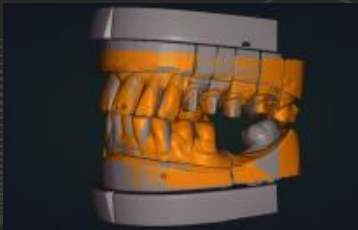


UP3D blue light scanner series



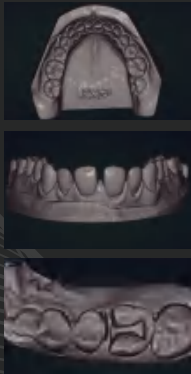
Big articulator scan

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



Automatic alignment

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



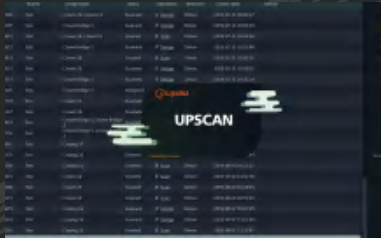
Applications

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



Multi-color projector

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



UPScan APP

Easy to operate scanning software, free upgrade



Margin drawing

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



exocad

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

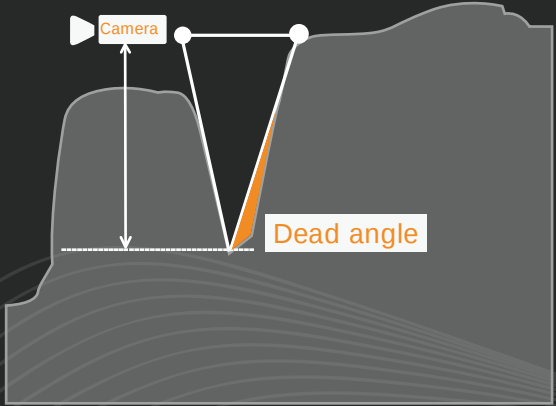
Up360+



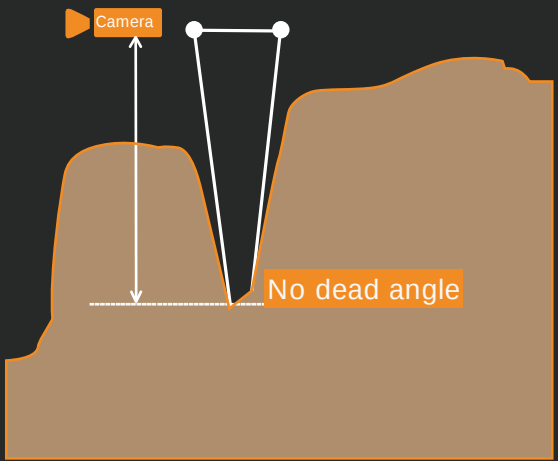
The world's first specialized uncut-model scanner

Scan without dead angle

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



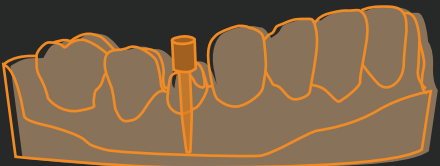
Traditional scanner structure



UP360 scanner structure

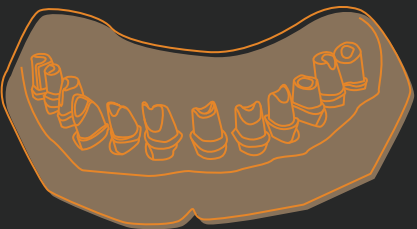
More accurate and easier post core scanning

no need to make wax-up of post core, only scan the post core scan body



Scan the full mouth implants at one time

no need to loose and fasten the abutments screws



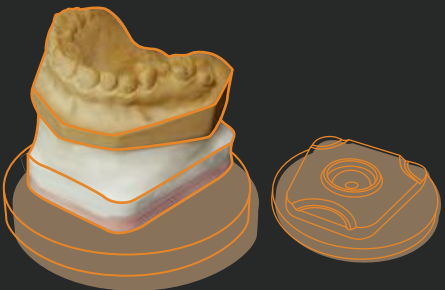
True color scanning

Perfectly restore texture colors



Liberate the articulator

Easily get the occlusion relationship without scanning the articulator



Up300+

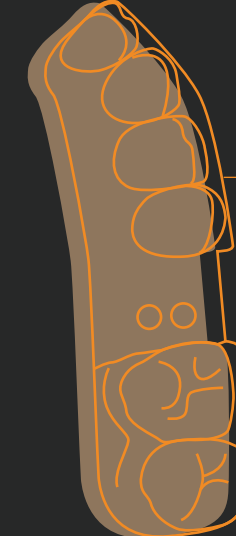
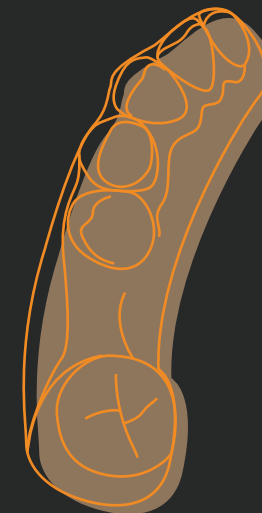


Scan has never been so fast

All-in-one

Scan a quadrant in 25s, 2 steps, saving 50% total work time.

Scan upper,
lower jaws and dies
at the same time

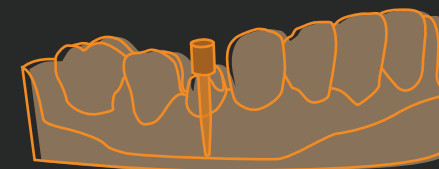


Automatic
alignment

Only 25s

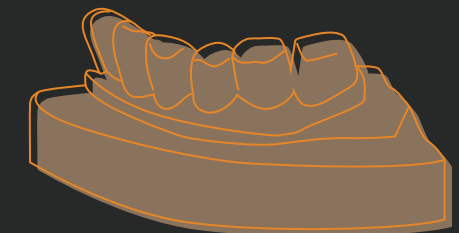
More accurate and easier post core scanning

no need to make wax-up of post core,
only scan the post core scan body



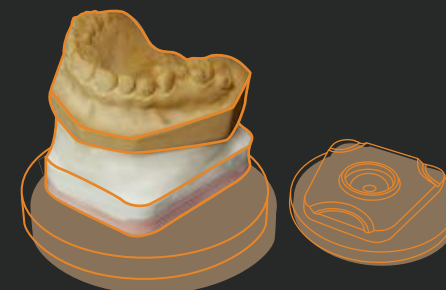
Improved uncut scan model

The fastest uncut model scanner



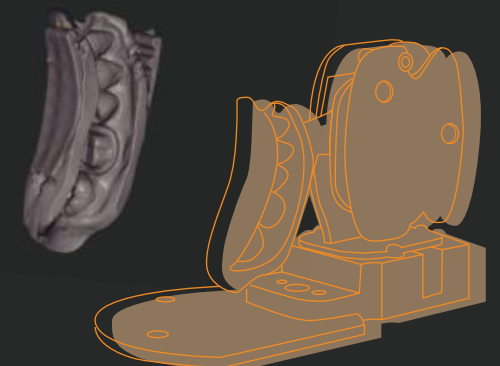
Liberate the articulator

Easily get the occlusion relationship
without scanning the articulator



Triple tray

Digital impression is just one click away.



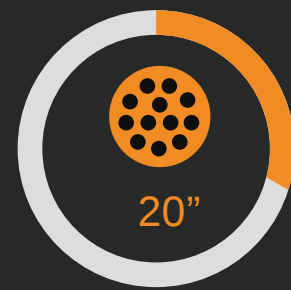
Up300E



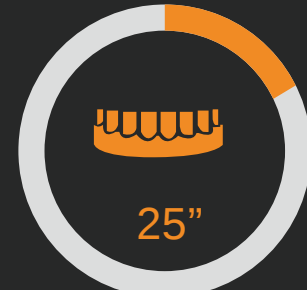
The most economical scanner for you

High speed

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



12 unit multi-die scan



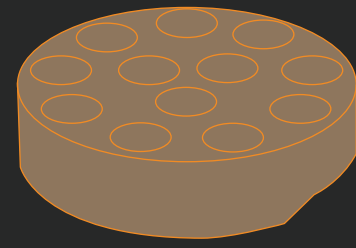
Model scanning

Highly cost effective



12 unit multi-die scan

Scan 12 unit die with free placement in 20s.

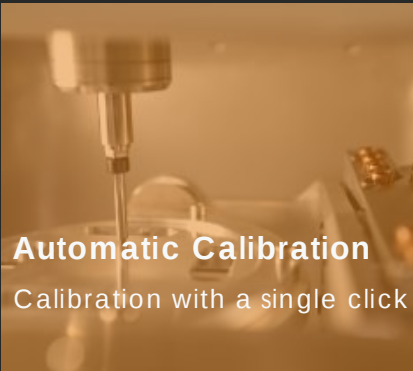


Smart Dental Milling Machine



4 Axis Smart Dental Milling Machine P4 5 Axis Smart Dental Milling Machine P5

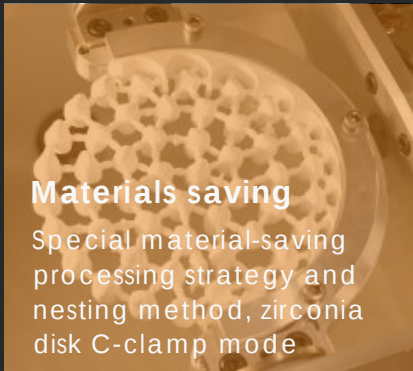
UP3D'S independent R&D, with core technology, perfect combination of smart control system and unibody casting structure.
60%-80% energy saving than traditional dental milling machines.



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%



Up3d

P4

P5



Model	UPMill-P4UPMill-P5	
Dimension	620×430×560（mm）	
Weight	68Kg	72Kg
Input voltage	AC 100~235V、50~60Hz	
Max power	0.8KW	
Spindle power	0.52KW（max）	
Axis quantity	4 axis (tilt<15 degree)	5-axis simultaneous
Milling range	X/Y/Z: 165/135/70mm A: 360°	X/Y/Z: 165/135/70mm A: ±30° B: 360°
Milling mode	Dry milling	
Max rotate speed	40,000~60,000rpm	
Max feed rate	3000mm/min	
Tool capacity	11	
Tools changing	Automatic (air pressure>0.5 MPa)	
Spindle cooling	Air cooling	
Milling materials	Zirconia, wax, PMMA, wood	
Milling time	Zirconia(Coping): 8min、wax: 4min	Zirconia(Coping): 10min、wax: 6min
	Zirconia(Crown): 12min、wax: 8min	Zirconia(Crown): 14min、wax: 10min
Tools	2+1+0.6mm,Φ4	

UPCAD

Simple,easy,intuitive



UPCAM

Compatible with up3d smart milling machine P4, P5.



Function

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



Crown (Bridge)



Coping

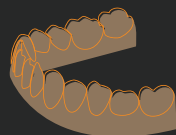


Veneer

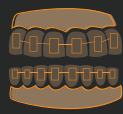


Inlay/Onlay

More modules are coming soon...



Model Builder



Ortho



Implant

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

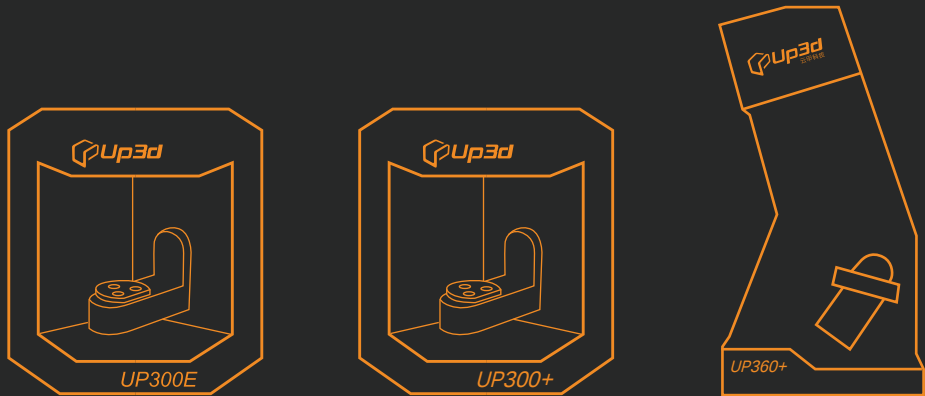


Easy operation



Customizable solution

Scanner



Model	Up300E	Up300+	Up360+
Precision	<10μm	<10μm	6μm
Camera	2*1.3MP	2*1.3MP	2*2.0MP
All-in-one scanning	-	√	√
One click scanning triple tray	-	√	√
Mark margin in scan software	-	√	√
Texture scanning	Color texture	True color scanning	True color scanning
Impression scanning	★★	★★★★★	★★★★★
Unsectioned model scanning	★★	★★★★★	★★★★★
Speed:			
Speed(Full arch)	⚡⚡⚡⚡⚡	⚡⚡⚡⚡⚡	⚡⚡⚡⚡⚡
Speed(Triple tray)	-	⚡⚡⚡⚡⚡	⚡⚡⚡⚡⚡
Size	300*330*400（mm）	300*330*400（mm）	305*310*550（mm）
Weight	10kg	10kg	14kg
Feature	Low cost	All-in-one scan one-click triple tray scan	Unsectioned model all-in-one scan
Function			
Output formats STL；UM；PLY；OBJ	Scanning principle Non-contact automatic scanning	Projector Customized blue-light, support multi-color scanning	
Interface USB 3.0	Power supply AC110-240V，50HZ		

Digital technology improves life