

Full Dental CAD/CAM Solution



Up3d

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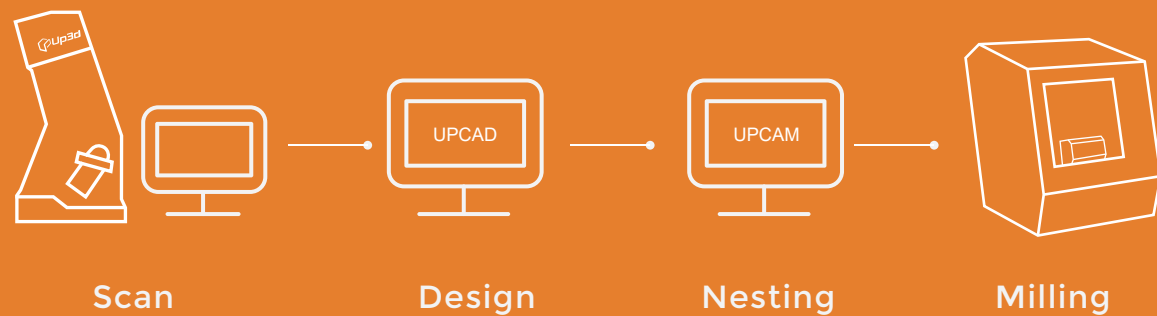
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Nanshan Dist. Shenzhen, China

UP3D Tech



Full Dental CAD/CAM Solution



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

As one of the only few companies in the world that are capable of developing a full dental CAD/CAM solution including software and hardware.

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

Dental scanners

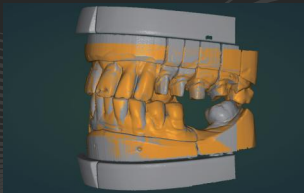


UP3D blue light scanner series



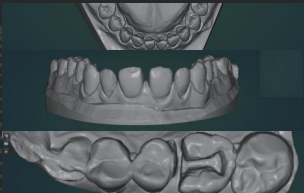
Big articulator scan

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



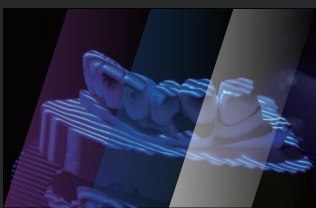
Automatic alignment

Intelligent algorithm, saves manual work



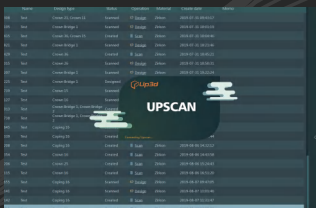
Wide Applications

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 line

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

dental wings
exocad

Open system

Open stl output and integrated with exocad and dentalwings

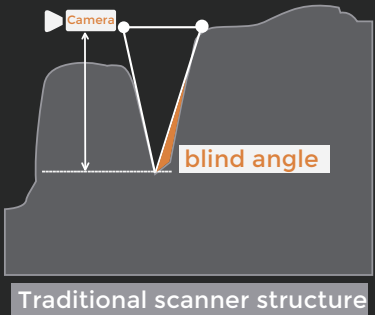
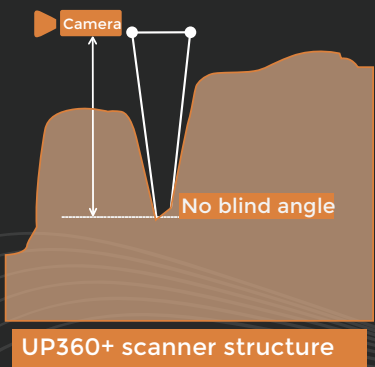
Up360+



The world's first specialized
uncut-model scanner

Scan without blind angle

Scan impression/uncut models; data without blind angle; no need to fill oles.



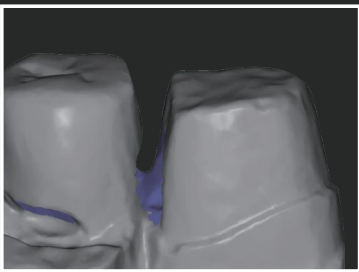
Scan without blind angle

Scan impression, uncut, orthodontic, veneer models clearly.



UP360+

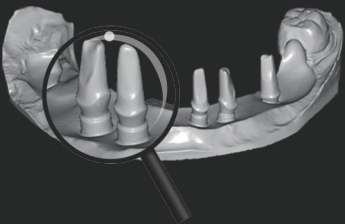
vs



Traditional scanner

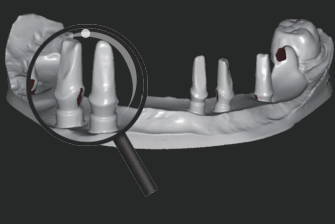
Full arch implants scanned in a single step

No need to loosen and fasten the abutment screws.



UP360+

vs

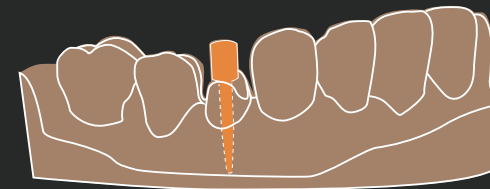


Traditional scanner

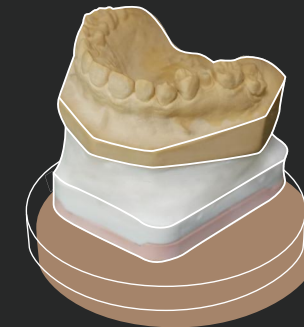
Up360+

Problems scanning a narrow interproximal gap?
Try UP360+

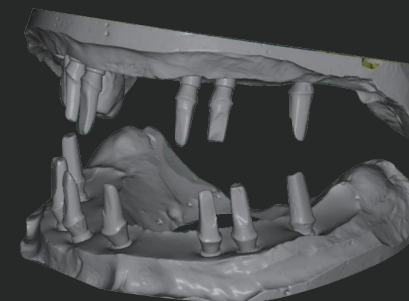
All-round solution for
post&core scanning



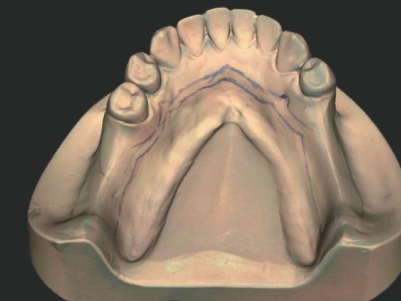
Support virtual articulator



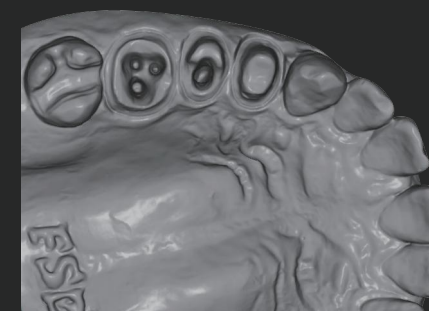
Full arch implant scanned
in one single step



True color texture scanning



post&core model direct scan



New way of occlusion scan



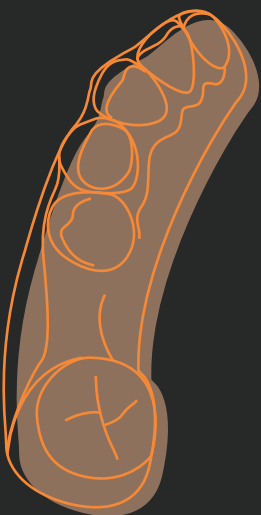
Up300+



Scan has never been so fast

All-in-one model scan
Scan a quadrant in 25s, 2 steps, saving 50% total work time.

Scan upper,
lower jaws and dies
at the same time

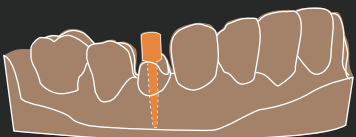


Automatic
alignment

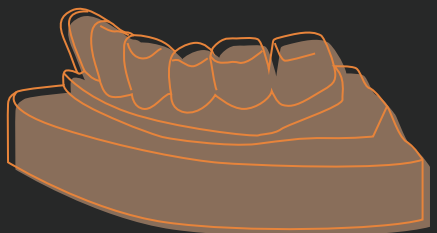
Only 25s

All-round solution for
post&core scanning

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

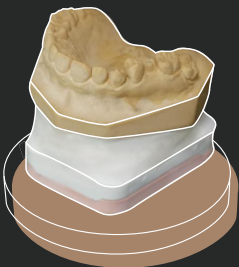


Improved uncut scan model
The fastest uncut model scanner



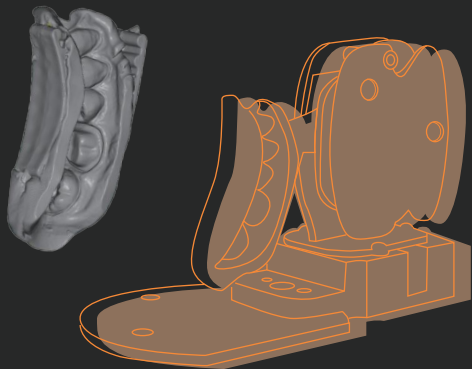
Support virtual articulator

Easily get the occlusion relationship
without scanning the articulator



Triple tray

Digital impression is just one click away.



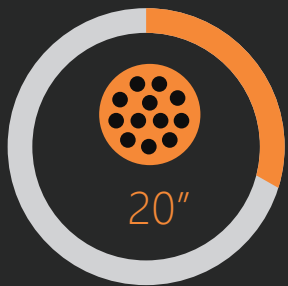
Up300E



The most economical scanner for you

High speed

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



12 unit multi-die scan



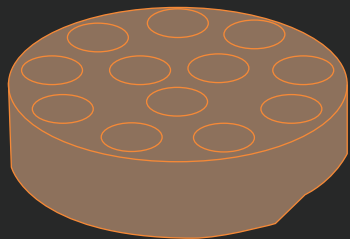
Model scanning

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



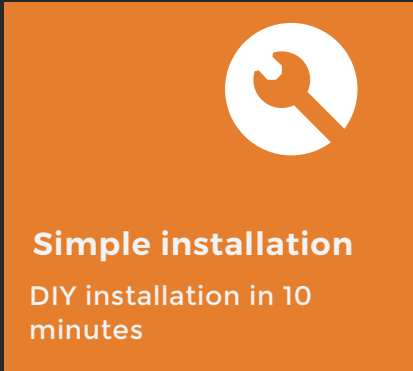
Materials saving
Special material-saving processing strategy and nesting method, zirconia disk C-clamp mode



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.



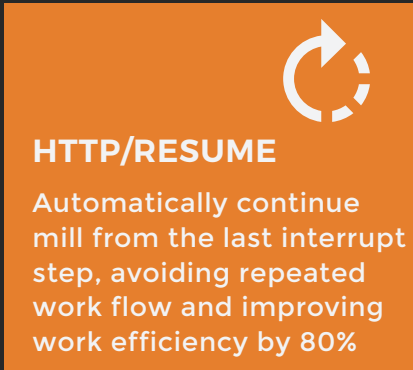
UPCNC software
One interface for multi-mills, easy to operate and one-click milling.



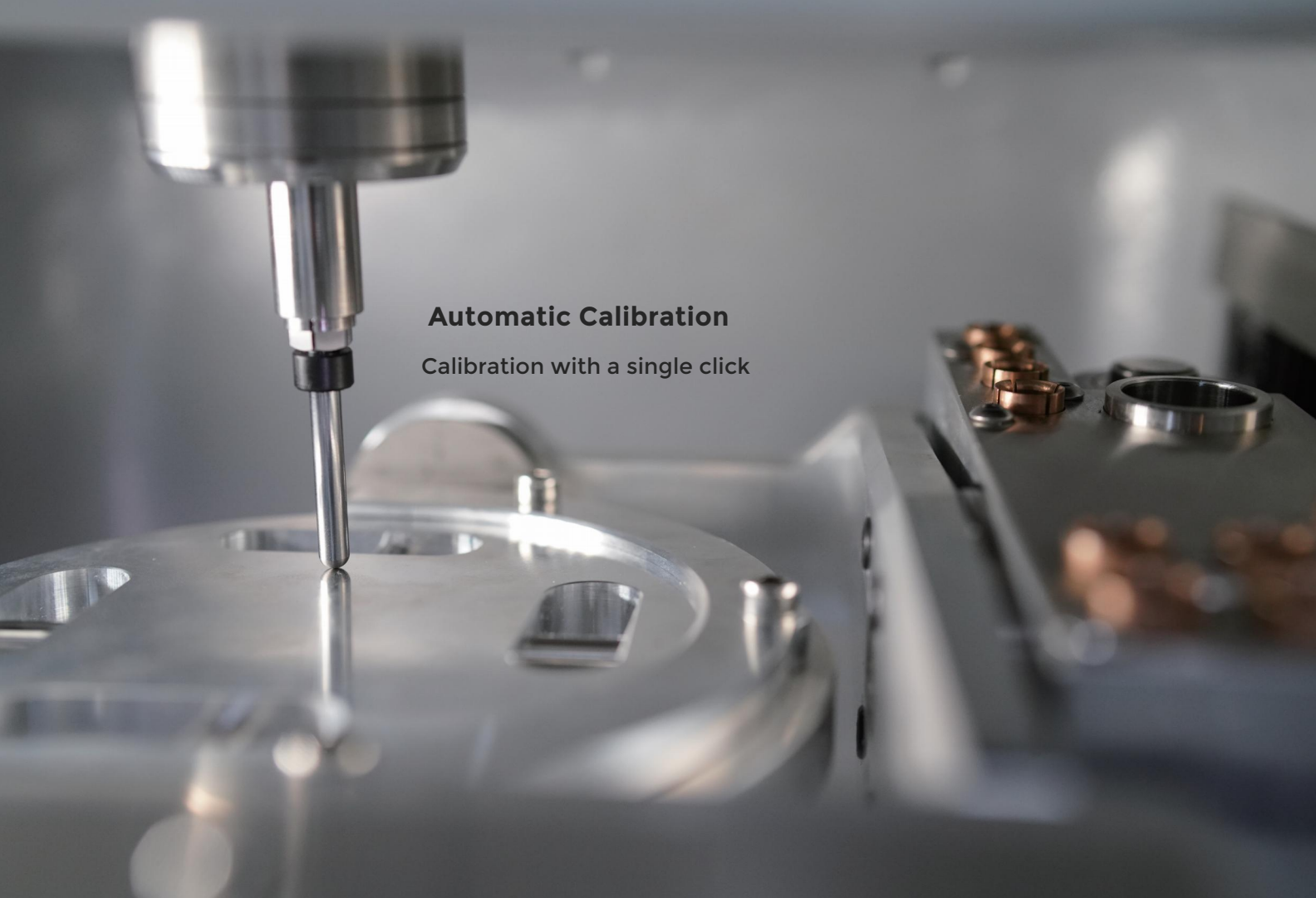
Highly integrated hardware and software
Excellent R&D strength makes easy operation and high efficiency



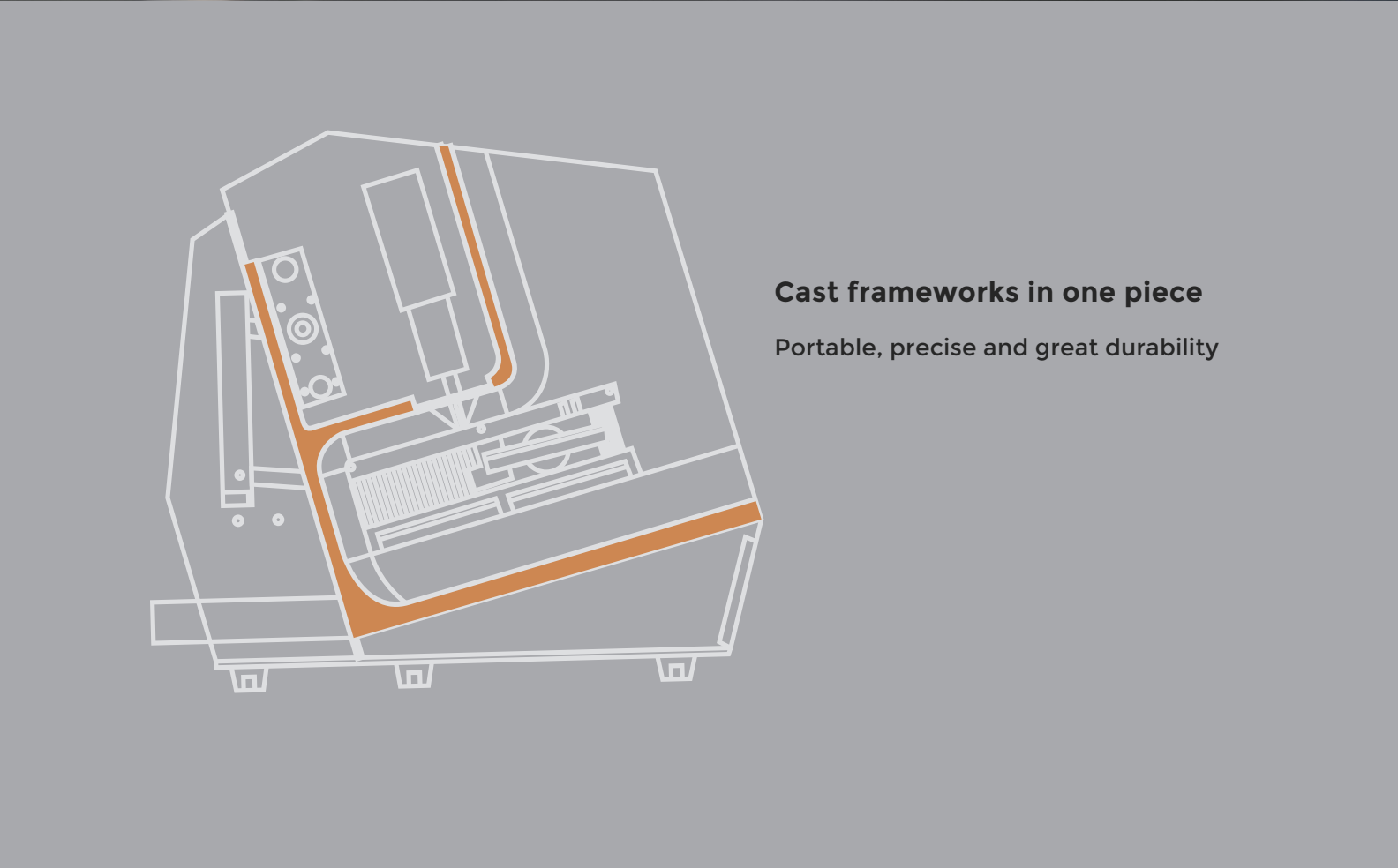
Independent R&D
All hardware and software are developed by Up3d. Intelligent control system perfectly merged with one-piece framework structure.



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



Automatic Calibration
Calibration with a single click



Cast frameworks in one piece
Portable, precise and great durability

Up3d

P4

P5



Model	P4	P5
Dimension	620×430×560（mm）	620×430×560（mm）
Weight	68Kg	72Kg
Input voltage	AC 100~235V、50~60Hz	AC 100~235V、50~60Hz
Max power	0.8KW	0.8KW
Spindle power	0.52KW（max）	0.52KW（max）
Axis	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	Dry milling
Max rotate speed	40,000~60,000rpm	40,000~60,000rpm
Max feed rate	3000mm/min	3000mm/min
Tool capacity	11	11
Tools changing	Automatic (air pressure>0.5 MPa)	Automatic (air pressure>0.5 MPa)
Spindle cooling	Air cooling	Air cooling
Milling materials	Zirconia, wax, PMMA, wood	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	2+1+0.6mm,Φ4

UPCAD

Simple,easy,intuitive



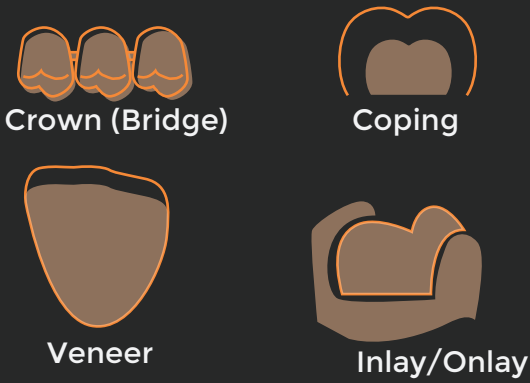
UPCAM

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.



More modules are coming soon...

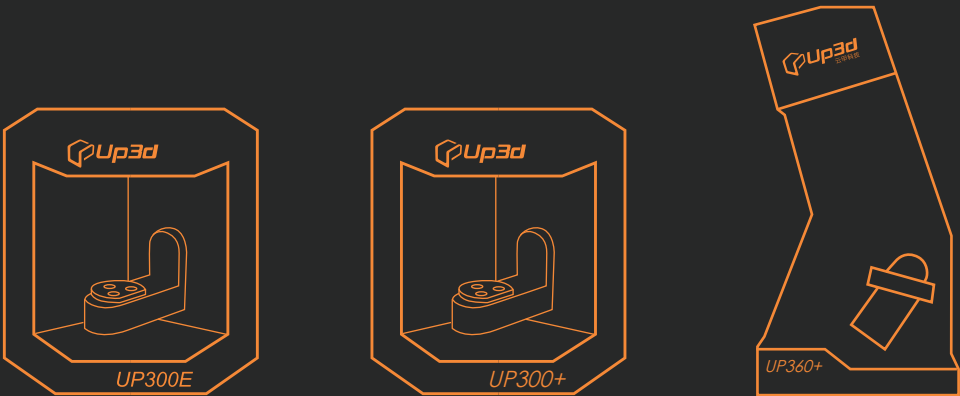


Function

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.



Scanner



Model	Up300E	Up300+	Up360+
Size	300*300*400（mm）	300*300*400（mm）	305*310*550（mm）
Weight	10kg	10kg	14kg
Camera	2*1.3（MP）High frame rate	2*1.3（MP）High frame rate	2*2.0（MP）High frame rate
Precision	<10 microns	<10 microns	<6 microns
All-in-one scanning	-	√	√
One click scanning triple tray	-	√	√
Mark margin in scan software	-	√	√
Texture scanning	Color texture	True color texture scanning	True color texture scanning
Impression scanning	★★	★★★★★	★★★★★
Unsectioned model scanning	★★	★★★★★	★★★★★
Speed:			
Speed(Full arch)	⚡⚡⚡⚡⚡	⚡⚡⚡⚡⚡	⚡⚡⚡⚡⚡
Speed(Triple tray)	-	⚡⚡⚡⚡⚡	⚡⚡⚡⚡⚡
Feature	Highly cost effective	All-in-one scan	Unsectioned model
		one-click triple tray scan	All-in-one scan
			one-click triple tray 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