AccuFab-D1s

SHINING 3D®

AccuFab-D1s

Model		AccuFab-D1s
Light Spec	Light Source	UV LED
	Wavelength	405nm
	Light Intensity	2 or 4 mw/cm^2
	Resolution	1920*1080
	Pixel Size	0.075mm
Print Spec	Print Size	144*81*160mm
	Accuracy	±0.035mm (10mm square)
	Layer Thickenss	0.025/0.05/0.075/0.1mm
Other	Size	395*406*755mm
	Package Size	640*640*1090mm
	Weight	30kg

Appearance

AccuFab-D1

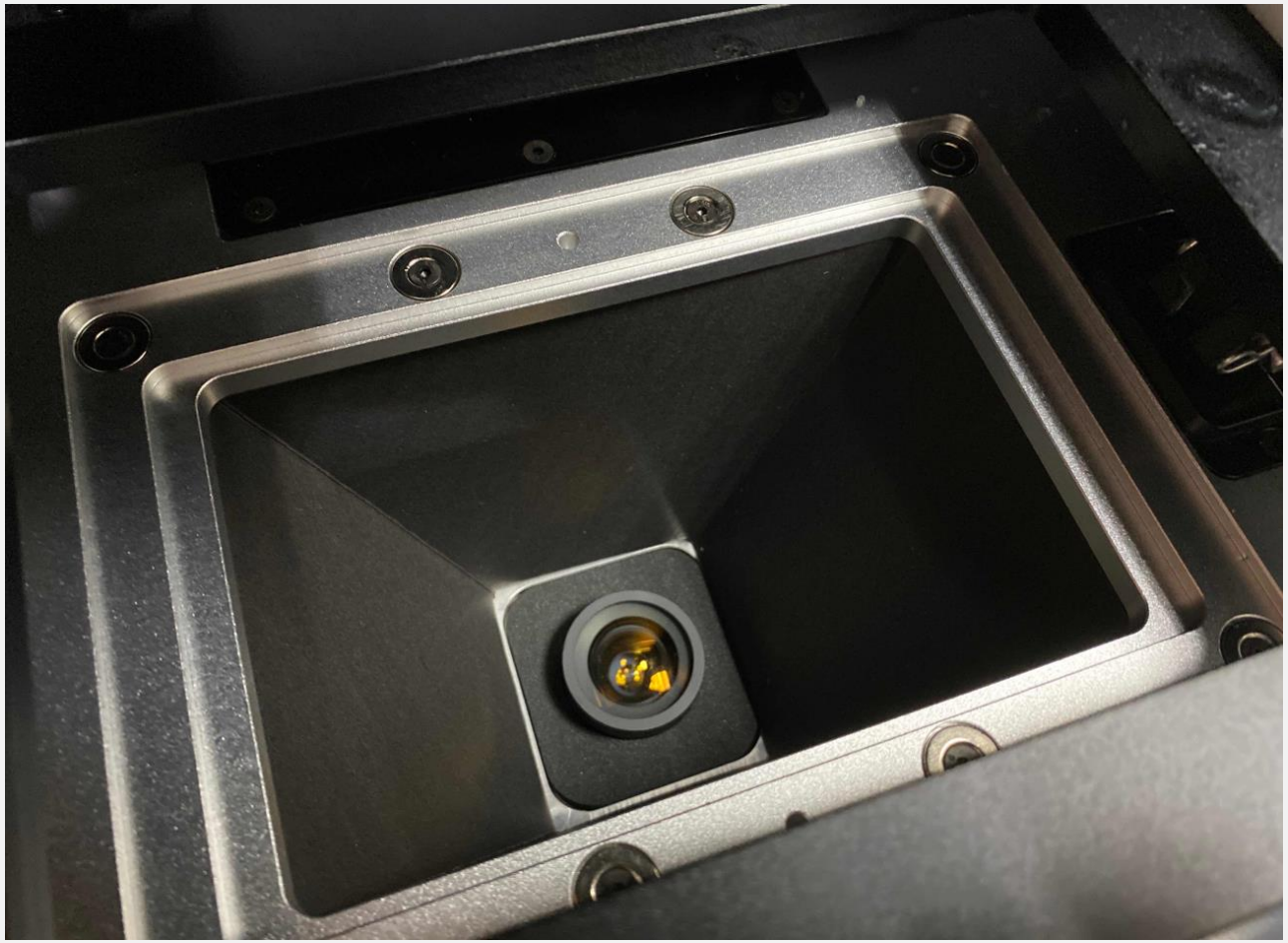
AccuFab-D1s

Color change from Black to Silver

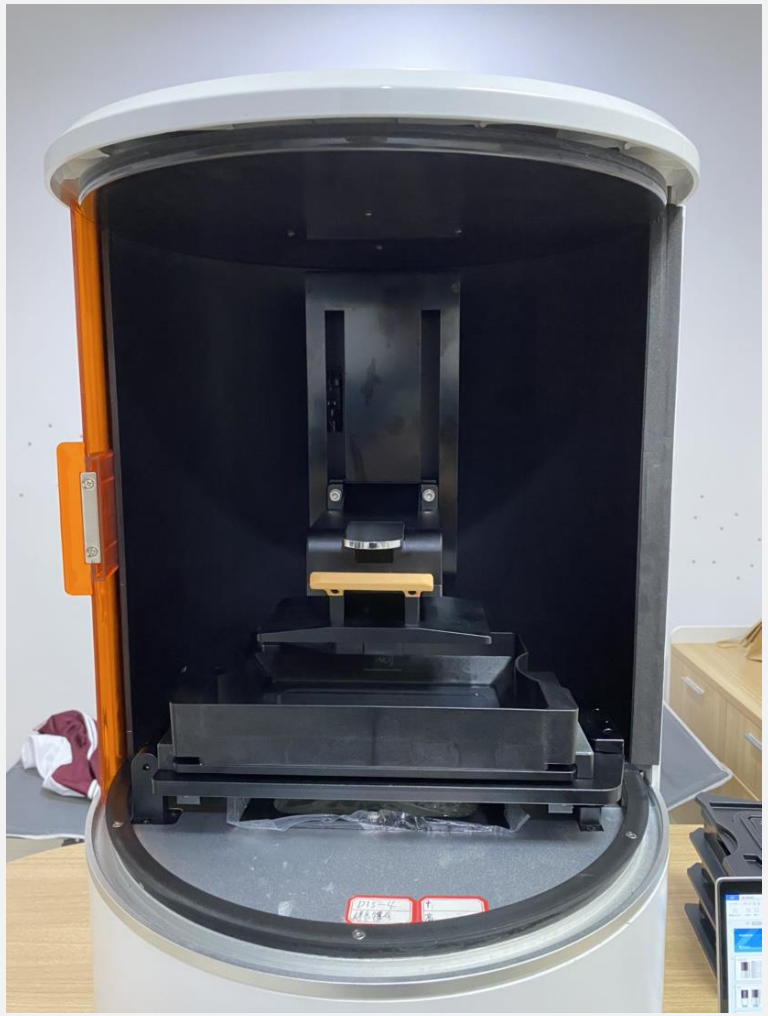
Model name: AccuFab-D1s

Optical Path

- Dust proof Design
- Light efficiency increase up to 20%, contrast increase up to 10% based on updated coating of the lens and glass.
- Improved control of projector with optimized heat dissipation.



Operation



- Slide in to lock. Avoid risk when forget to tight screw(D1).
- Replacing Resin tank and Platform with no level operation required(D1).
- Flat surface of the base frame. Adding measures against leaking.
- Dust proof glass quick release design. Easy to clean and maintenance.

Resin Tank

- Lifetime of Resin tank increased by 400%. Can support 100000 layers of printing. (20000 for D1)
- If film is broken. Won't affect the rest area.
- Add NFC function. With serial no. And also can record the usage of the resin tank (How many layers have been printed)
- The cover for resin tank. With the resin tank cover. Resin tanks can be stacked. Can store the material in short term(Suggest ≤72 Hours)

Print speed

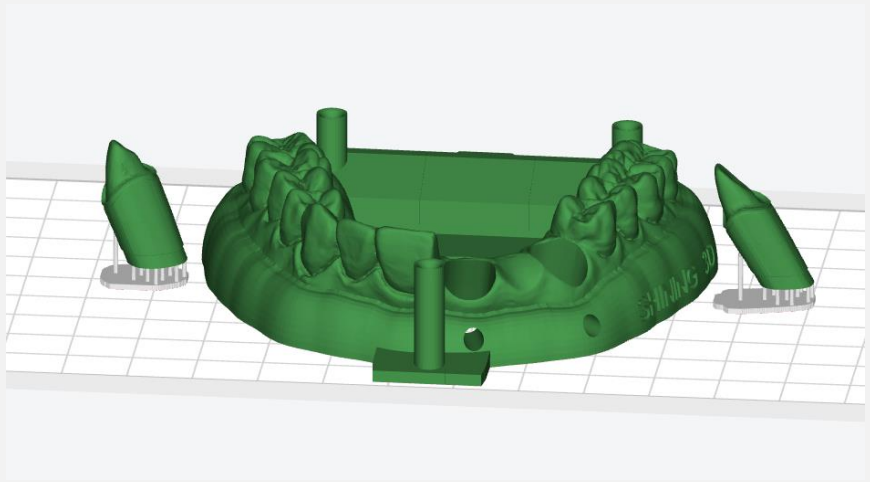
Print speed	DM11-0.05	DM12-0.05	SG01-0.1	DC11-0.05	OD01-0.05
D1	16.44 mm/h	16.22 mm/h	32 mm/h	9.77 mm/h	17.43 mm/h
D1s	20 mm/h	19.05 mm/h	47.58 mm/h	14.21 mm/h	19.67 mm/h
Increased	121%	121%	149%	145%	113%
Sample cases	**Model 400 Layers**	**Model 400 Layers**	**Surgical Guide 350 Layers**	**Dental cast 350 Layers**	**Ortho model 300 Layers**
D1	73 min	74 min	65 min	108 min	52 min
D1s	60 min	63 min	44 min	73 min	45 min

Print Accuracy

- Light uniformity correction, recognition area increased by 300% (Acquisition point from 28 to 84)
- Algorithm improvement for slicing , Identify the fill/contour/ support. And apply different light strategy. Improve performance.
- Identify Incisor and Molar automatically. Apply different offset for inner and outer contour.

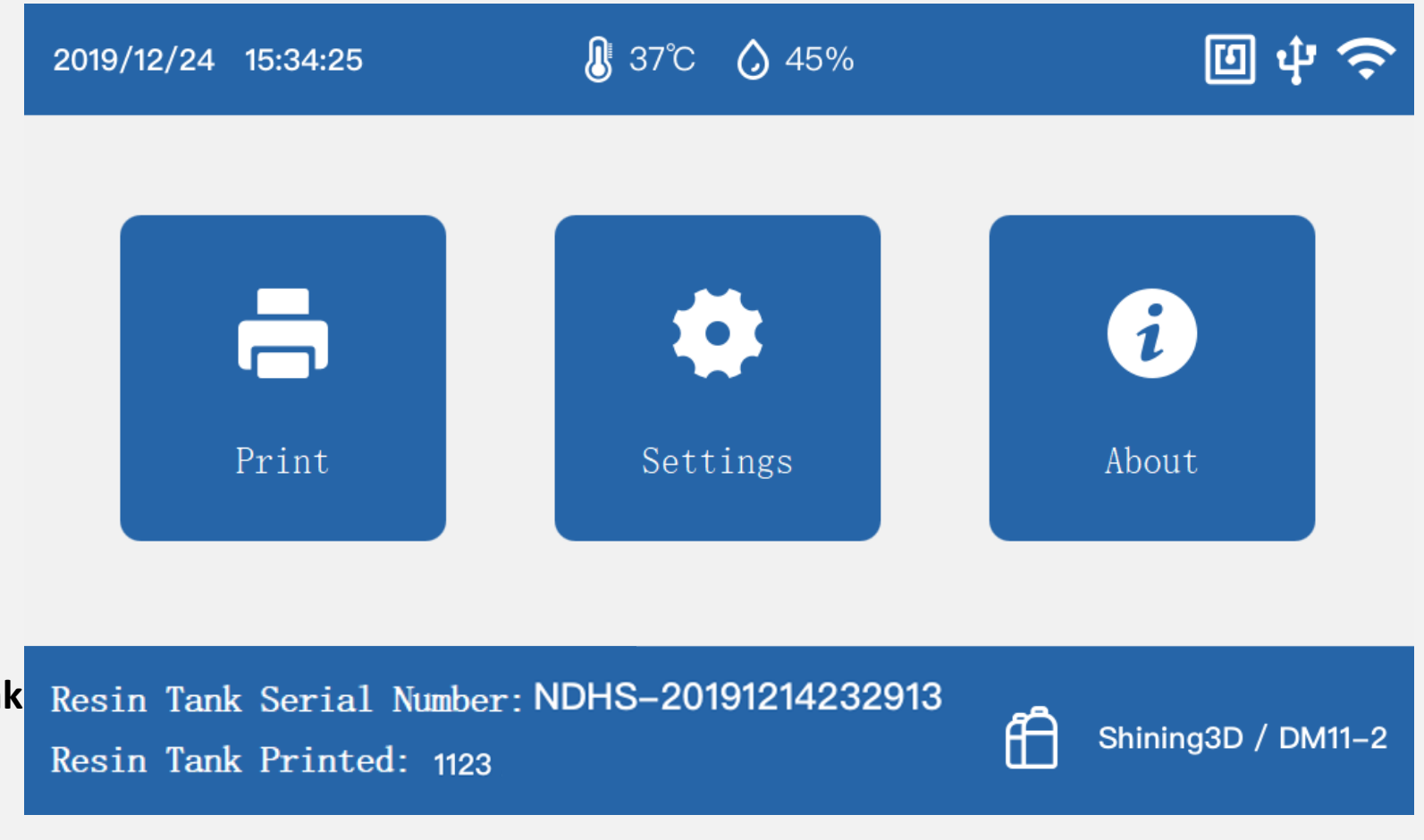
Disadvantage：

- Slower time for slicing.
  Bigger output size: Increased by 100% to 300%



Software(Printer)

Build chamber Temp and humidity sensor

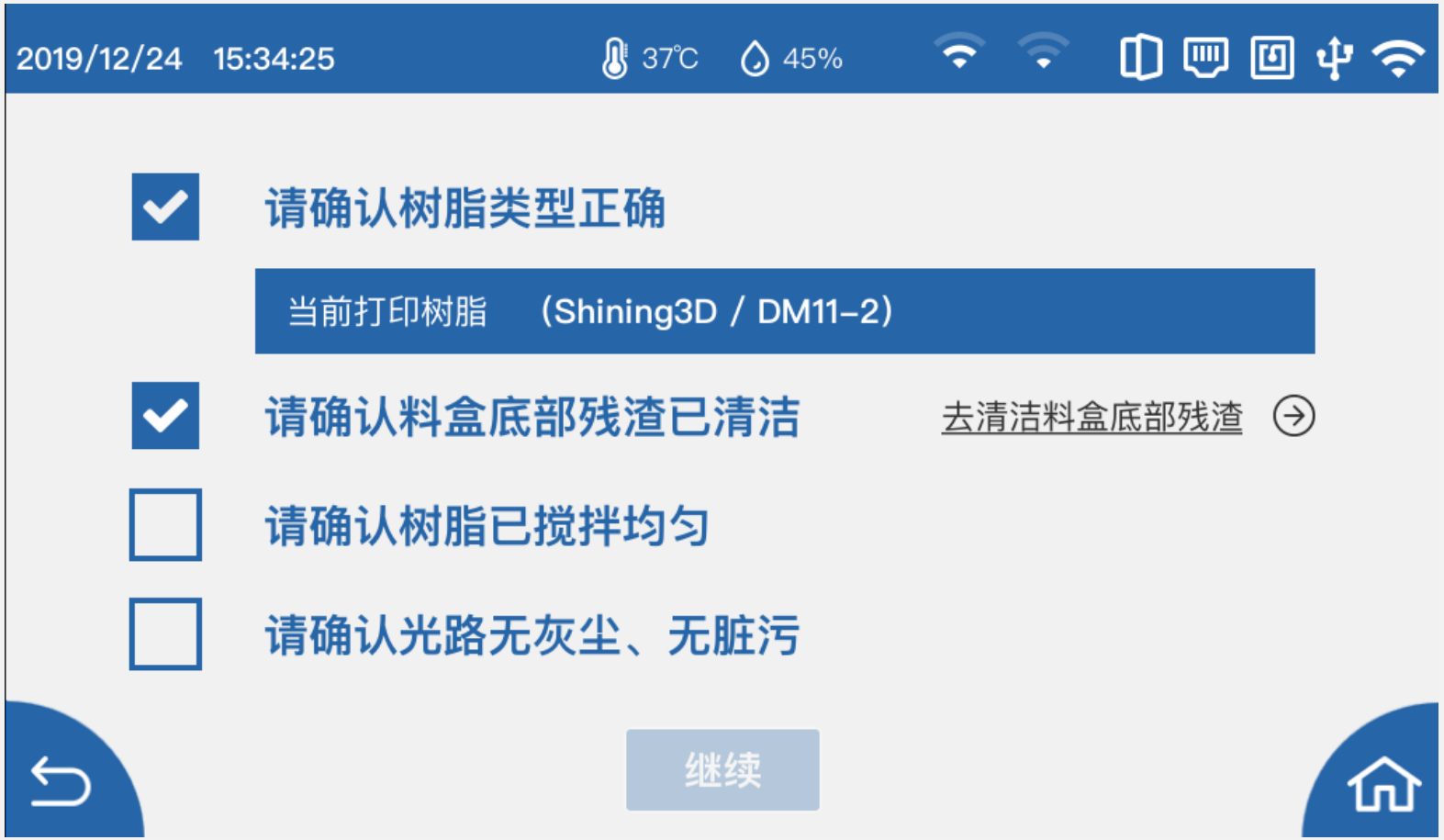


Serial no. of resin tank

Usage of resin tank

Display of Current Material

Software(Printer)

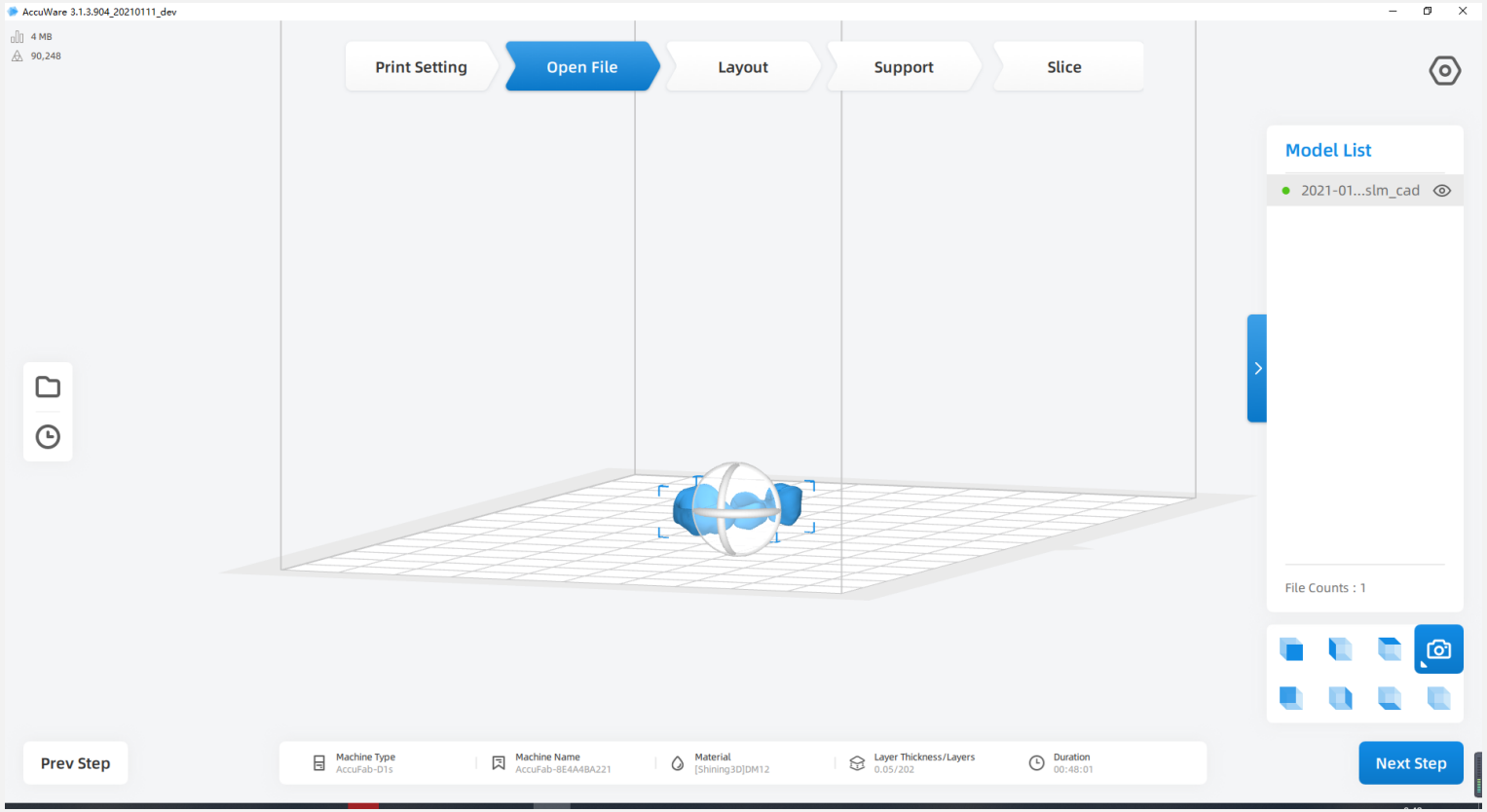


Mandatory selection of confirmation

Software(Add License control of printer)

License control of Printer end:
Can be set by factory
Or by engineer remotely

Software(Accuware)



- New UI. Step by step design.
- Improve display and rendering performance
- Optimal support algorithm
- Optimized slicing algorithm (3.1.3)
- Optimized model repair algorithm (3.1.3
- Add a layered preview
- Add slice preview (3.1.3)
- Added support library function
- Add material pack import/export
- Added accuracy calibration wizard
- (3.1.3)
- Parameter updates push（3.1.4）

Material-Supported Material

	Shining3D	Bego	NextDent	Keystone	Pro3dure
Dental Model	DM11 Non-separated Model DM12 Separated model/ Implant model(to be released)	BEGO VarseoWax Model		KeyModel	
Dental Cast	DC11	BEGO VarseoWax Cast	Next Dent Cast	KeyCast	GR-12 cast(under test)
Ortho Model	OD01		Next Dent Ortho Model	KeyOrtho Model	GR-19 OA(under test)
Surgical Guide（I）	SG01	VarseoWax Surgical Guide		KeyGuide	GR-10 guide(under test)
Try in/Tray（I）	TR01(to be released)	VarseoWax Tray		KeyTray	GR-11 tray(under test) GR-21 Try-In (under test)
Temp（II）		Crown Plus Temp (Permanent teeth)	C&B BL/N1/N1.5.		GR-17 temporary GR-17.1 temporary It
Denture（II）			Denture 3D+		GR-14.1 denture
IBT					IBT (under test)

Thank you!

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