



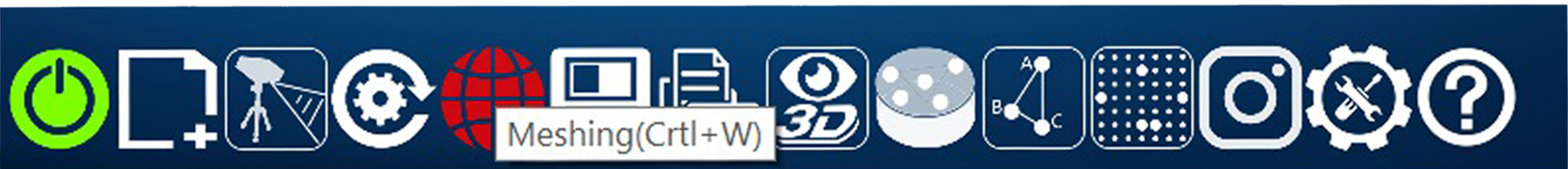
Cooper C20

Full Color, 0.08mm frame accuracy



Cooper M20

Monochrome, 0.04mm frame accuracy



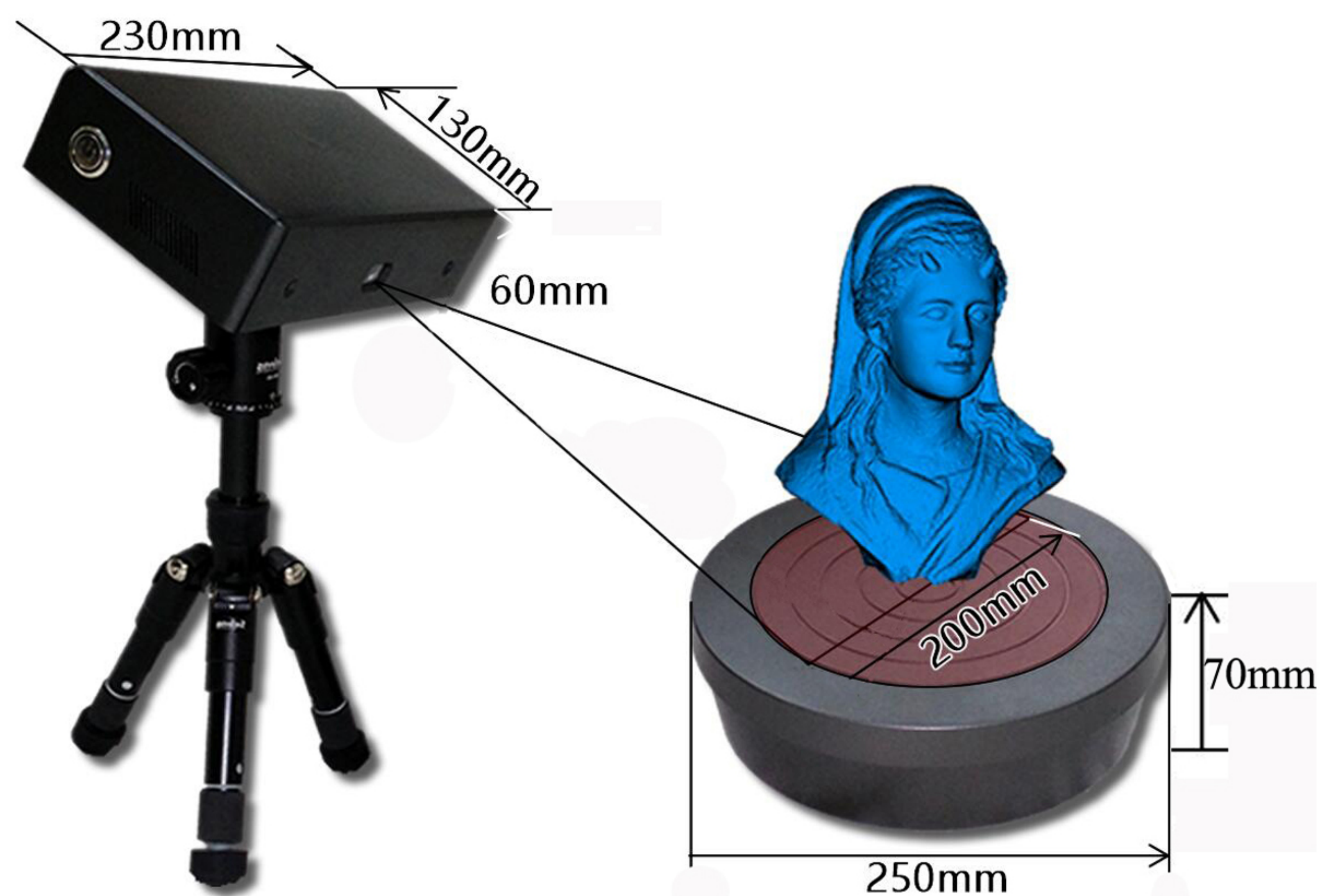
FreeScan

FreeScan

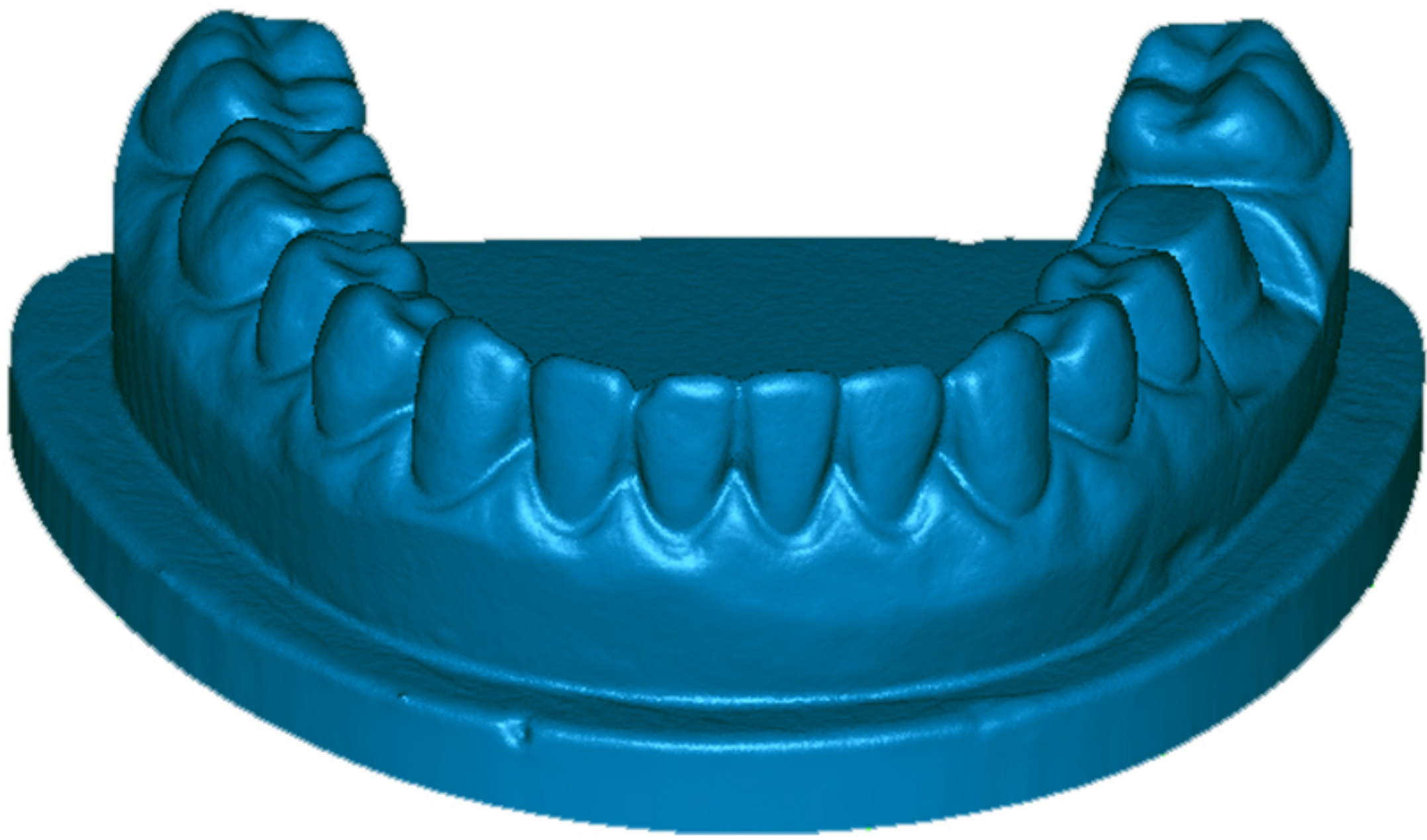


## Specifications

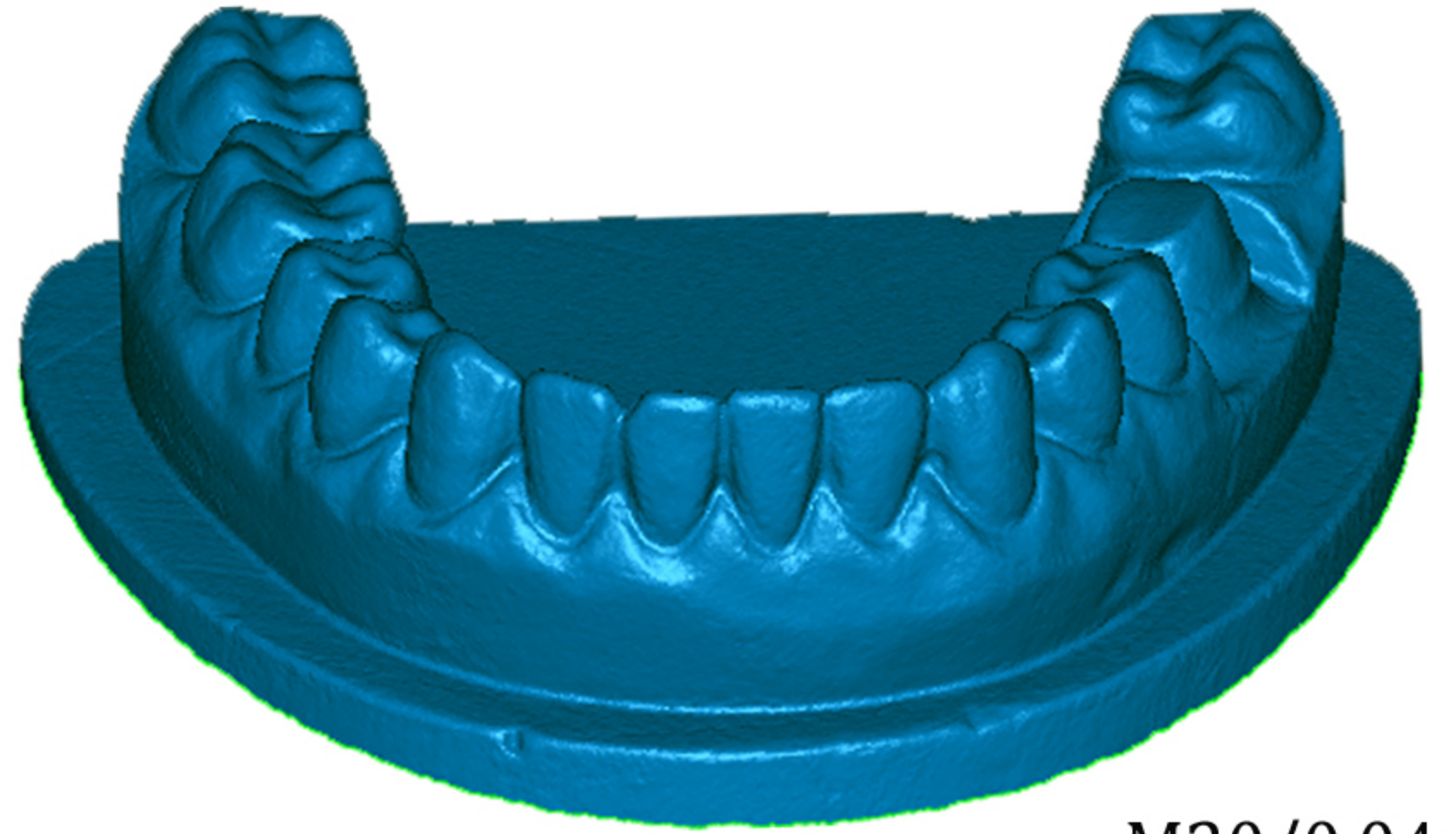
Item	Cooper C20	Cooper M20	FreeScan
Turntable	Auto turntable	Auto turntable	Hand turntable
Camera	Full color, 1.3 mp	Monochrome, 1.3mp	Monochrome, 1.3mp
Lens	16mm/5mp	16mm/5mp	16mm/5mp
Raster	TI 1280*800	TI 1280*1080	TI 1280*1080
Resolution	0.2mm		
Point distance	0.12mm		
ROV	210*160mm		
Frame accuracy	0.08mm	0.04mm	0.04mm
Scan speed	3.3 seconds/image		
Min scan volume	3-5 cm	3-5 cm	7-10 cm
Alignment	Feature align Mark align Frame align Turntable align		Feature align Mark align Frame align
Photogrammetry	Yes		
App	Animation design	Entry industry Basic reversing work	Low budget
Public API	C++ interface		
Bottom PC	RAM =8GB; Nvidia GM=2GB; Win7 (64 bit);		
Certification	CE/FCC/WEEE/CNAS		
Software	Basic register, fusion, wrap, delete, and set function, free update.		



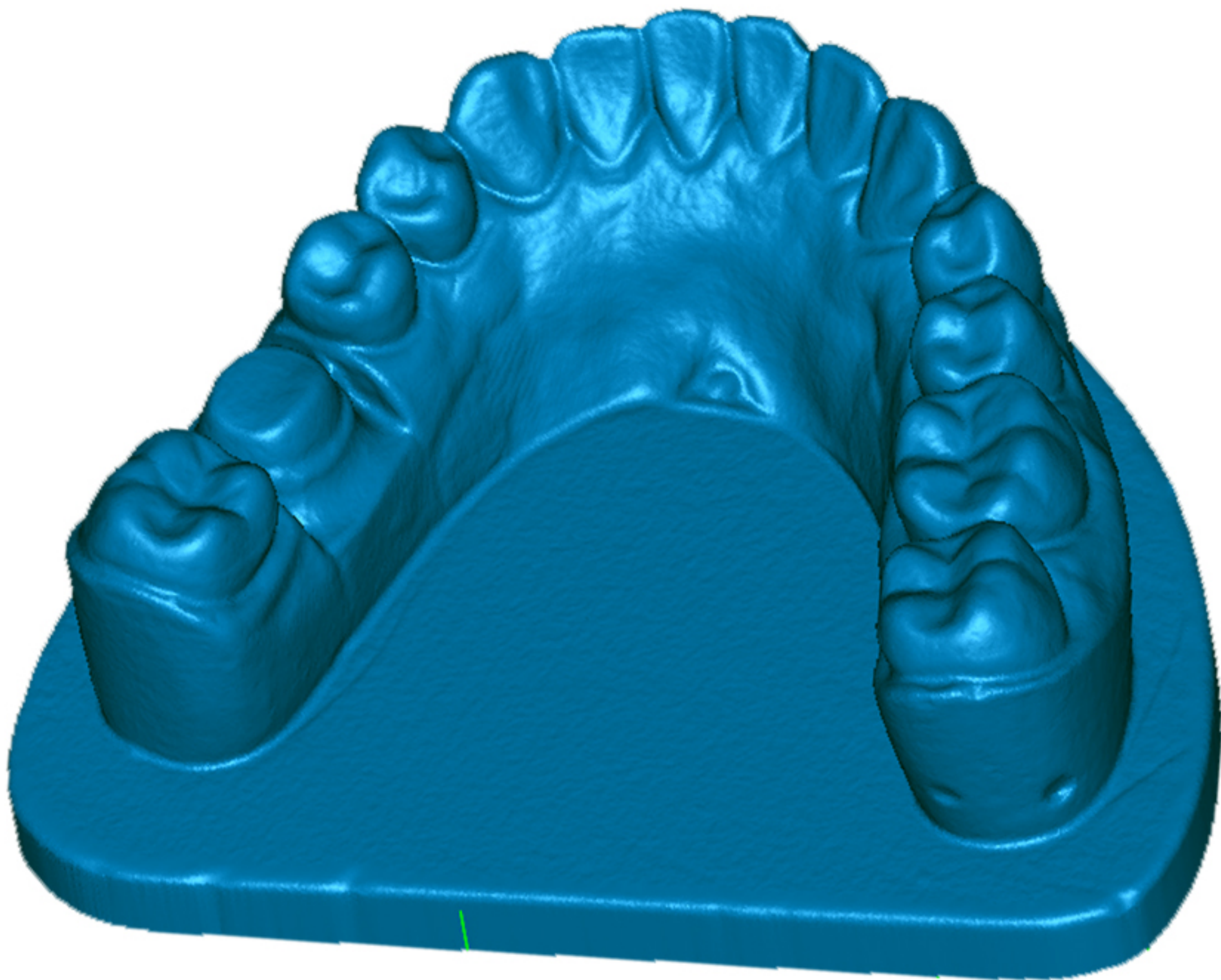
# Precision Comparison



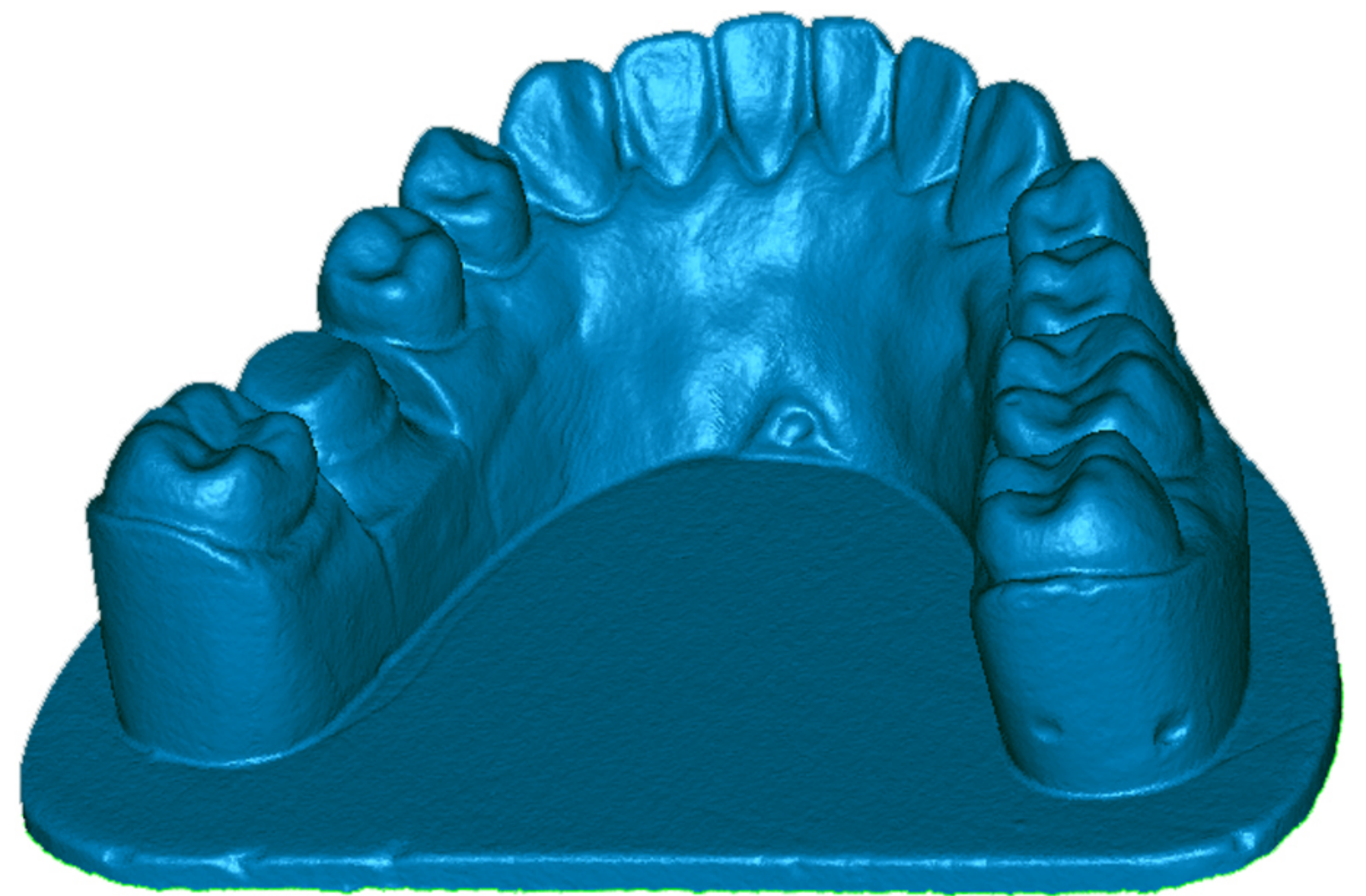
C20/0.08mm



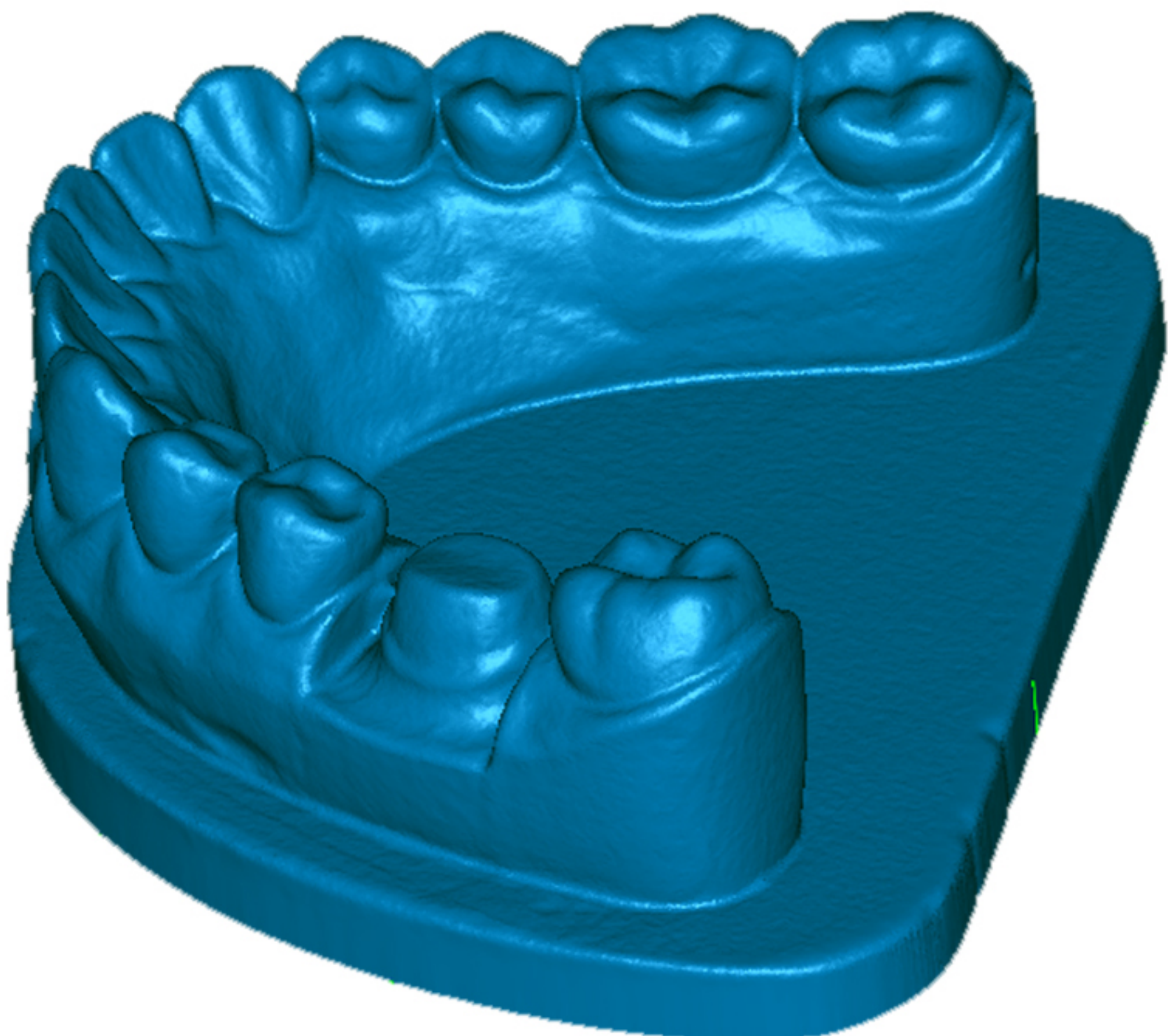
M20/0.04mm



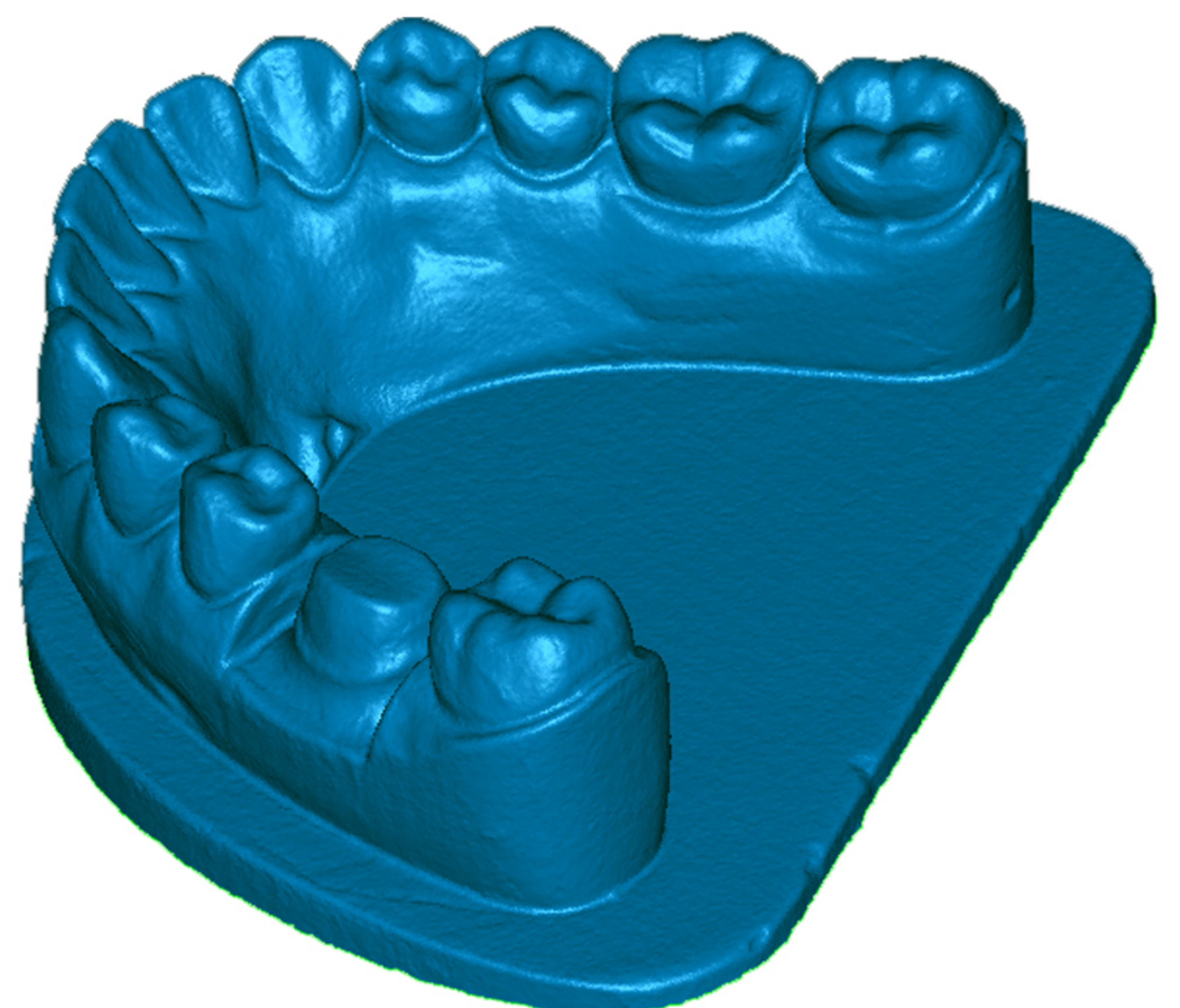
C20/0.08mm



M20/0.04mm

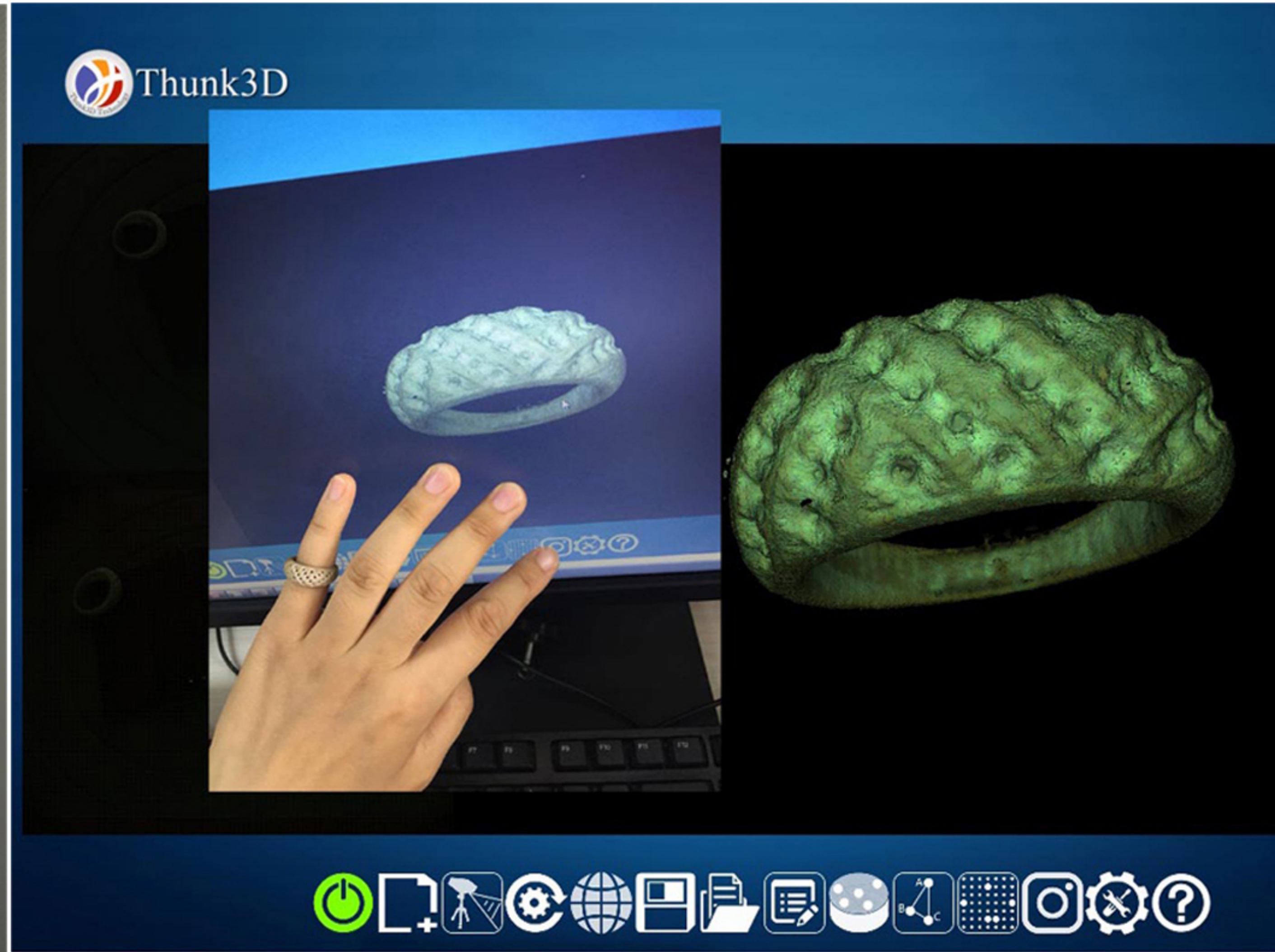


C20/0.08mm



M20/0.04mm

# CASES IN COOPER C20



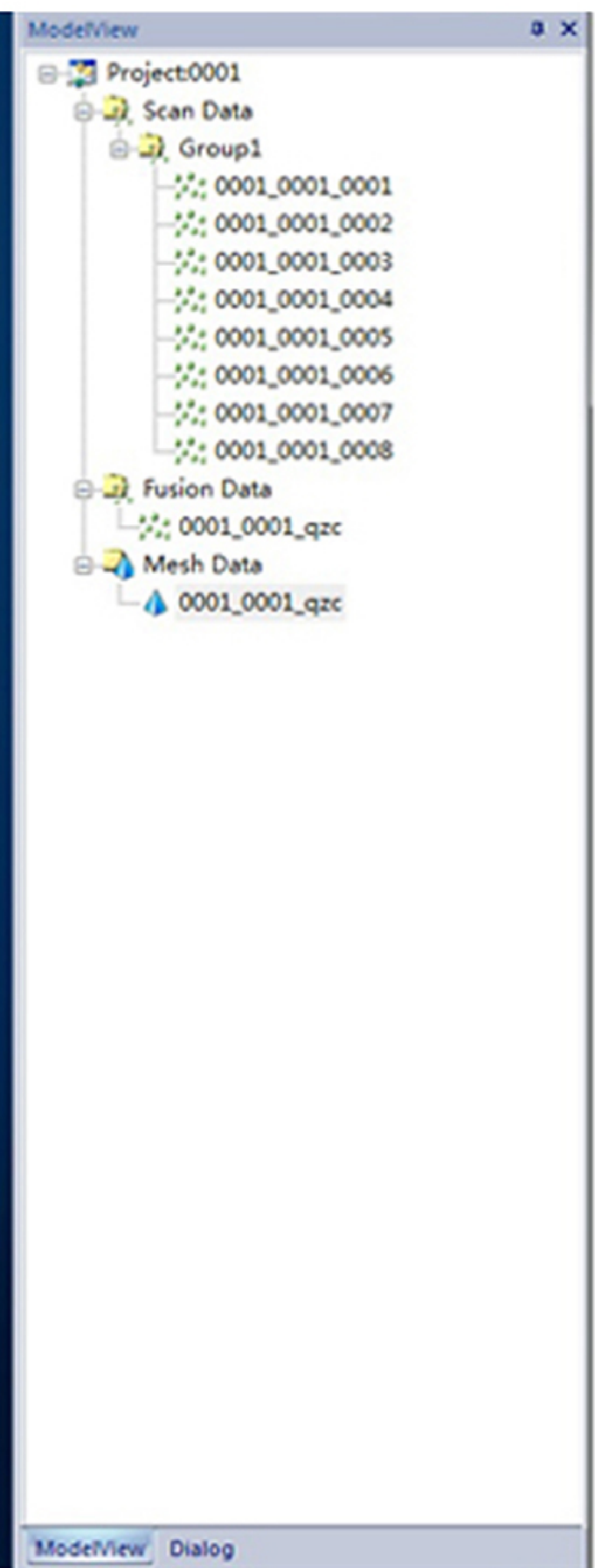
Picture Raw scan  
in daylight

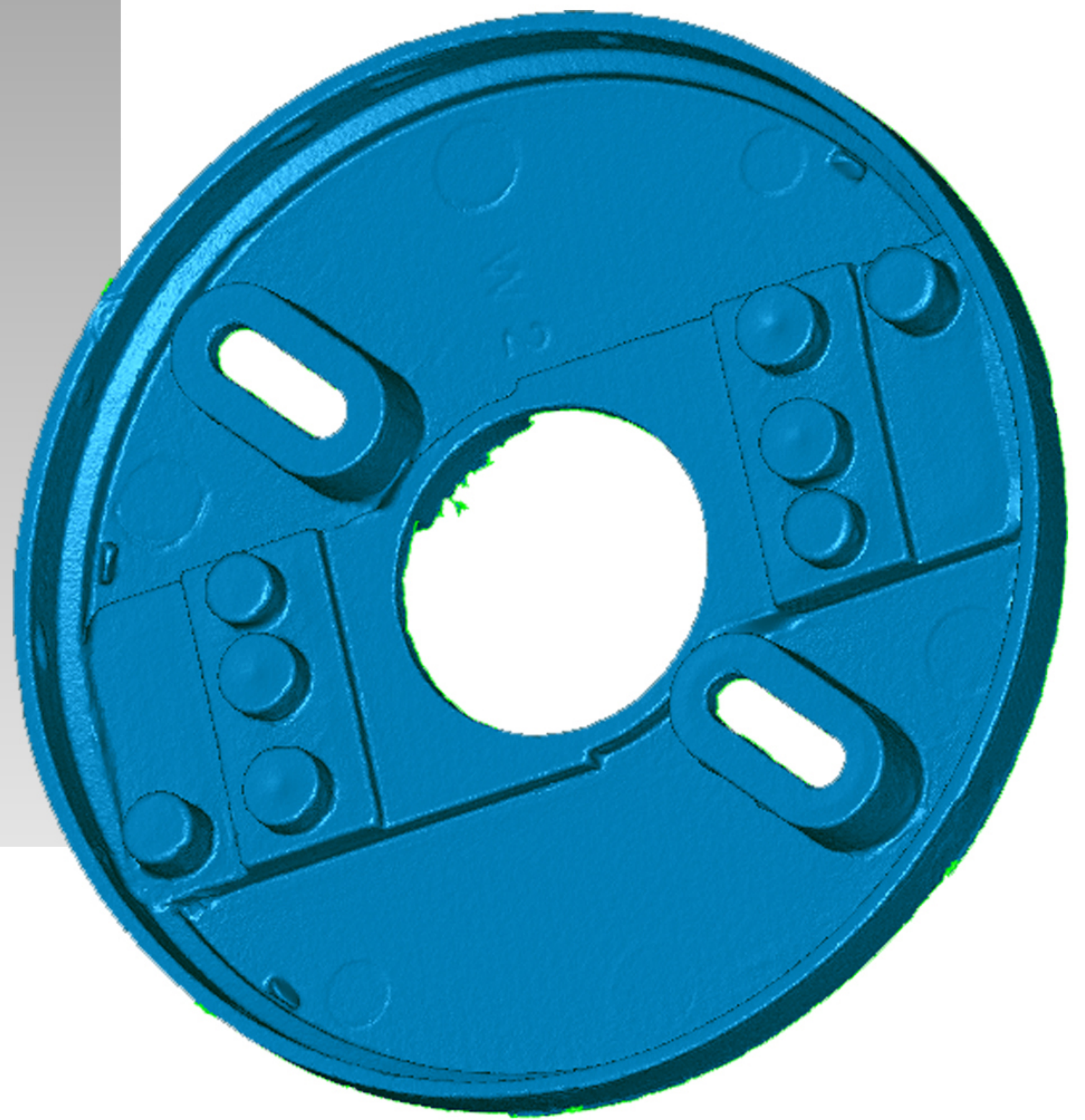
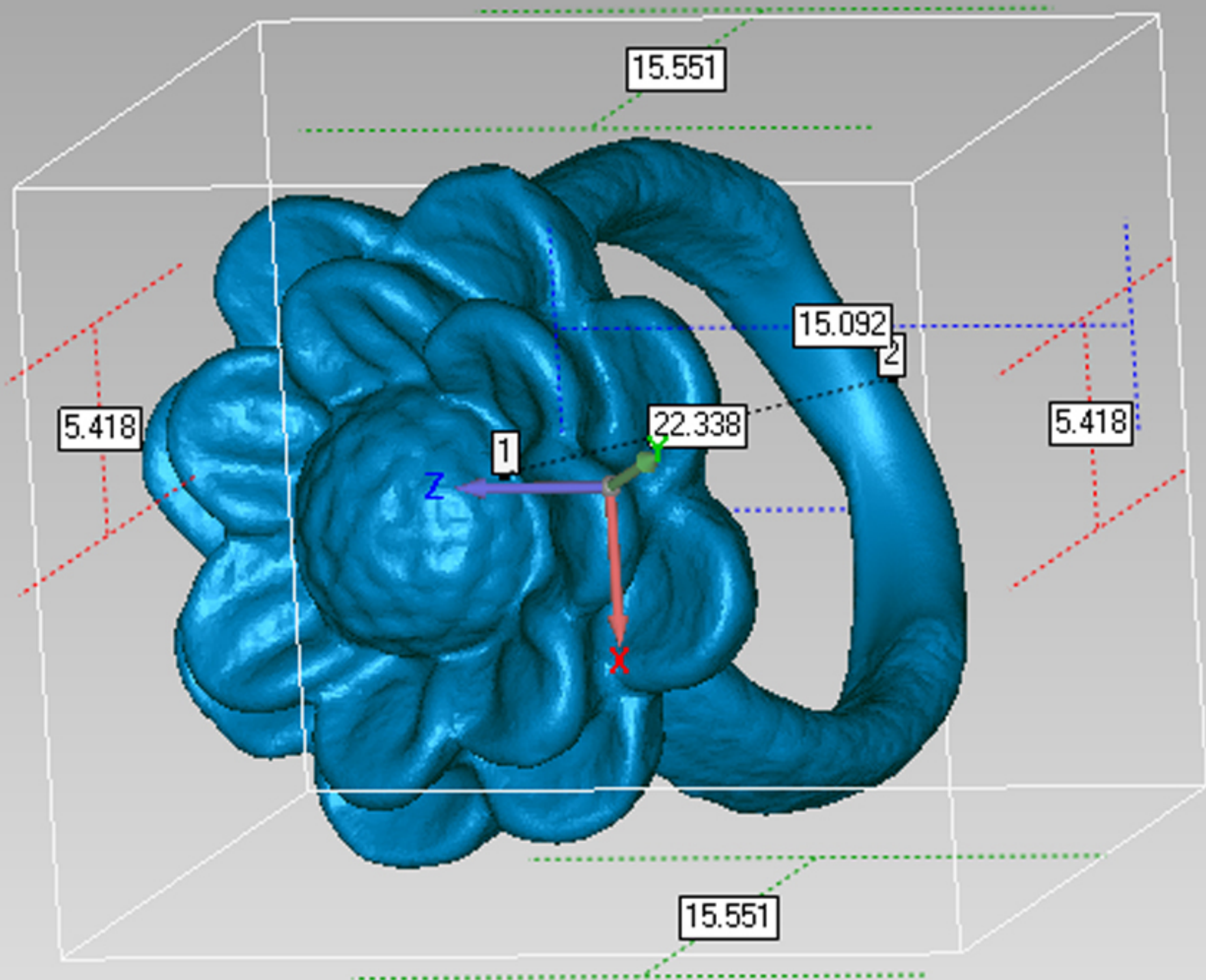


Picture

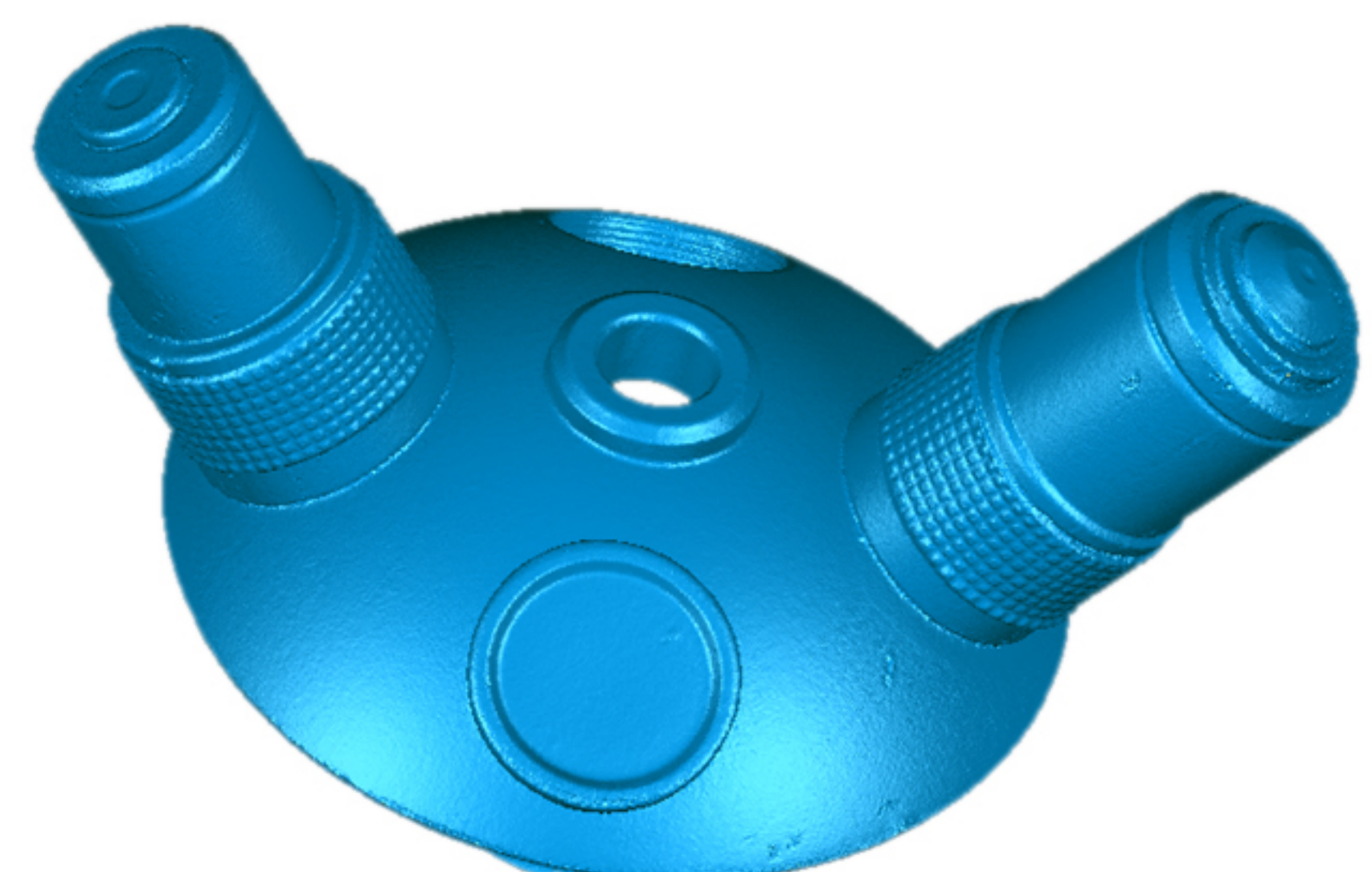
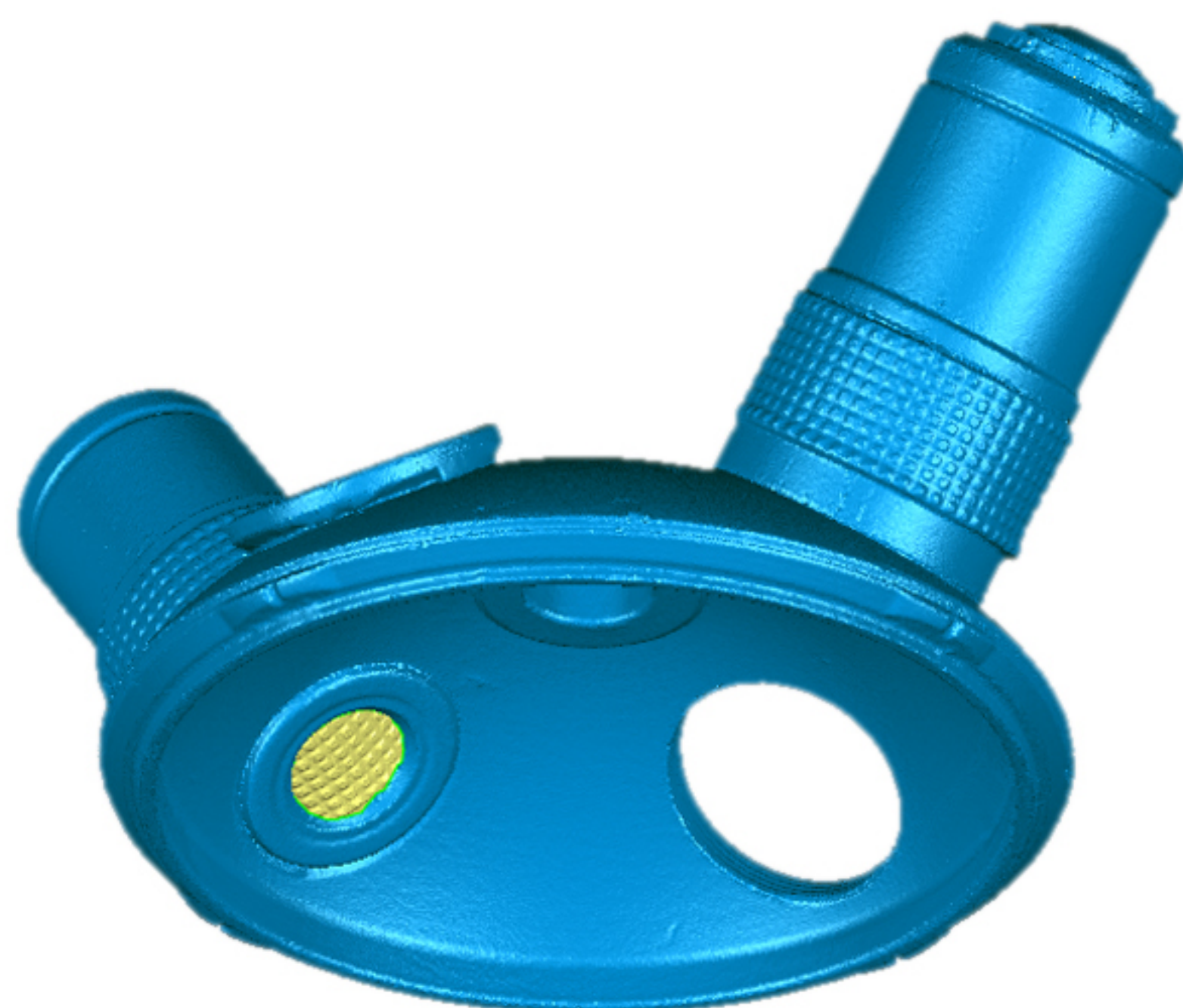
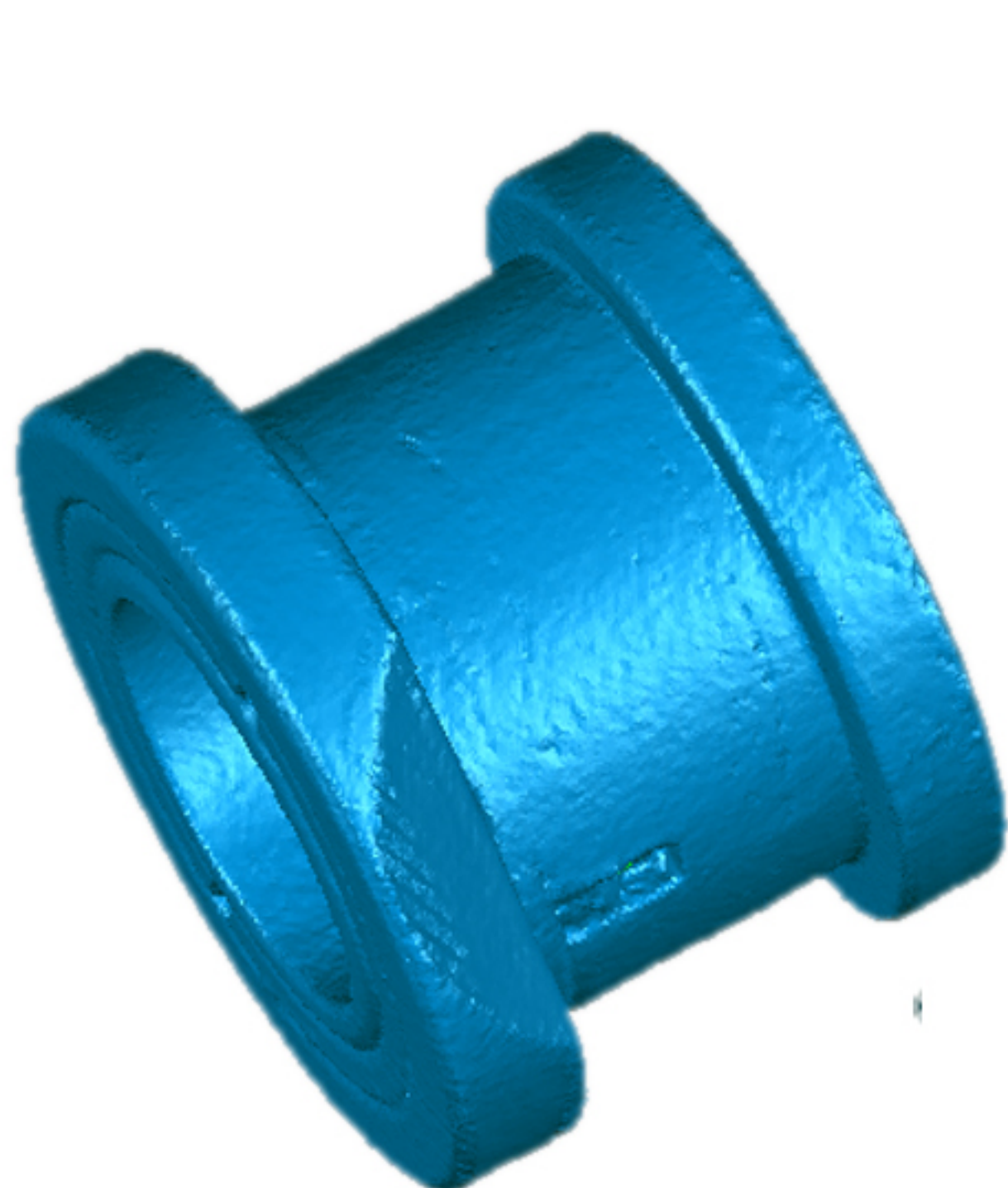
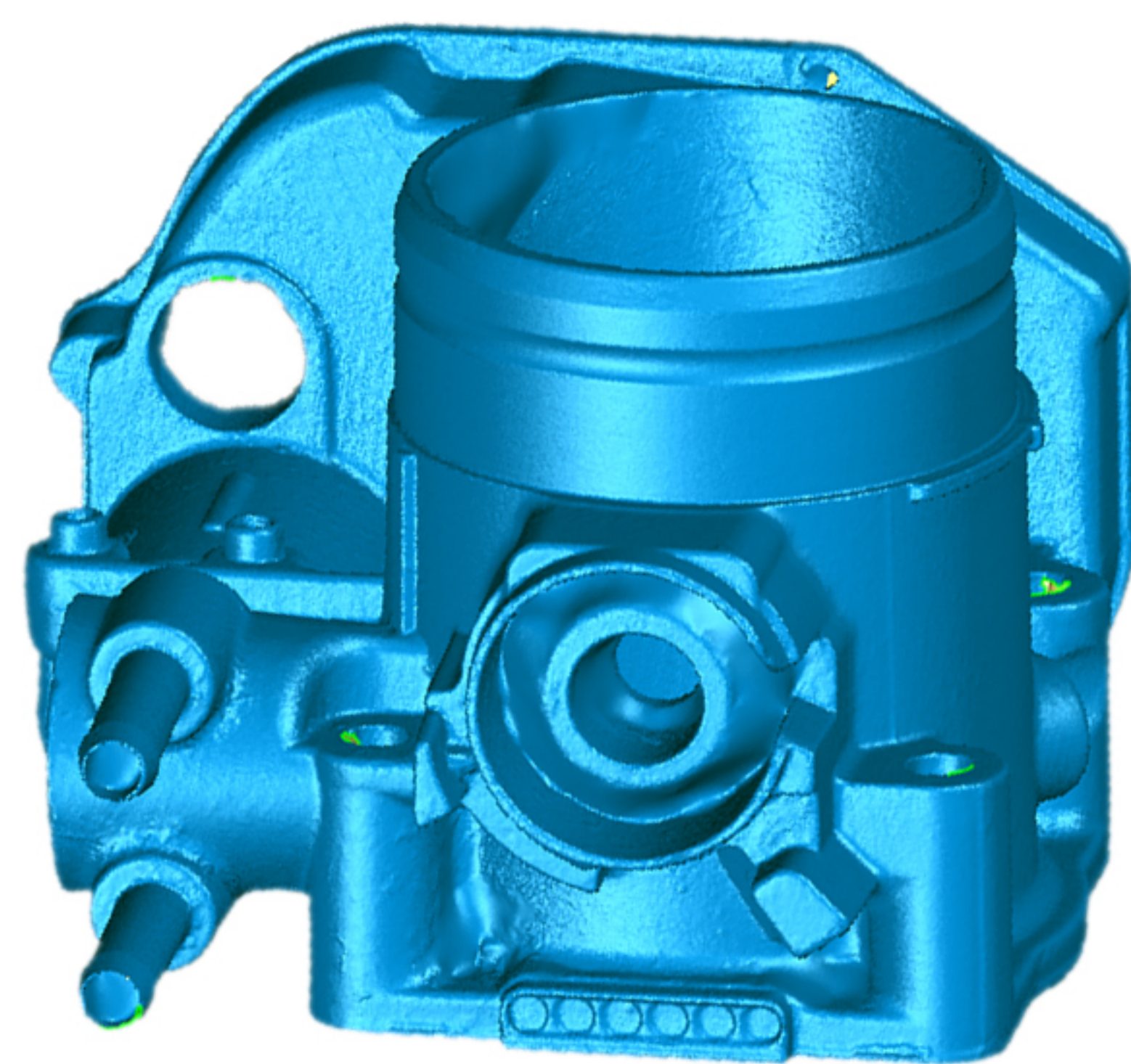
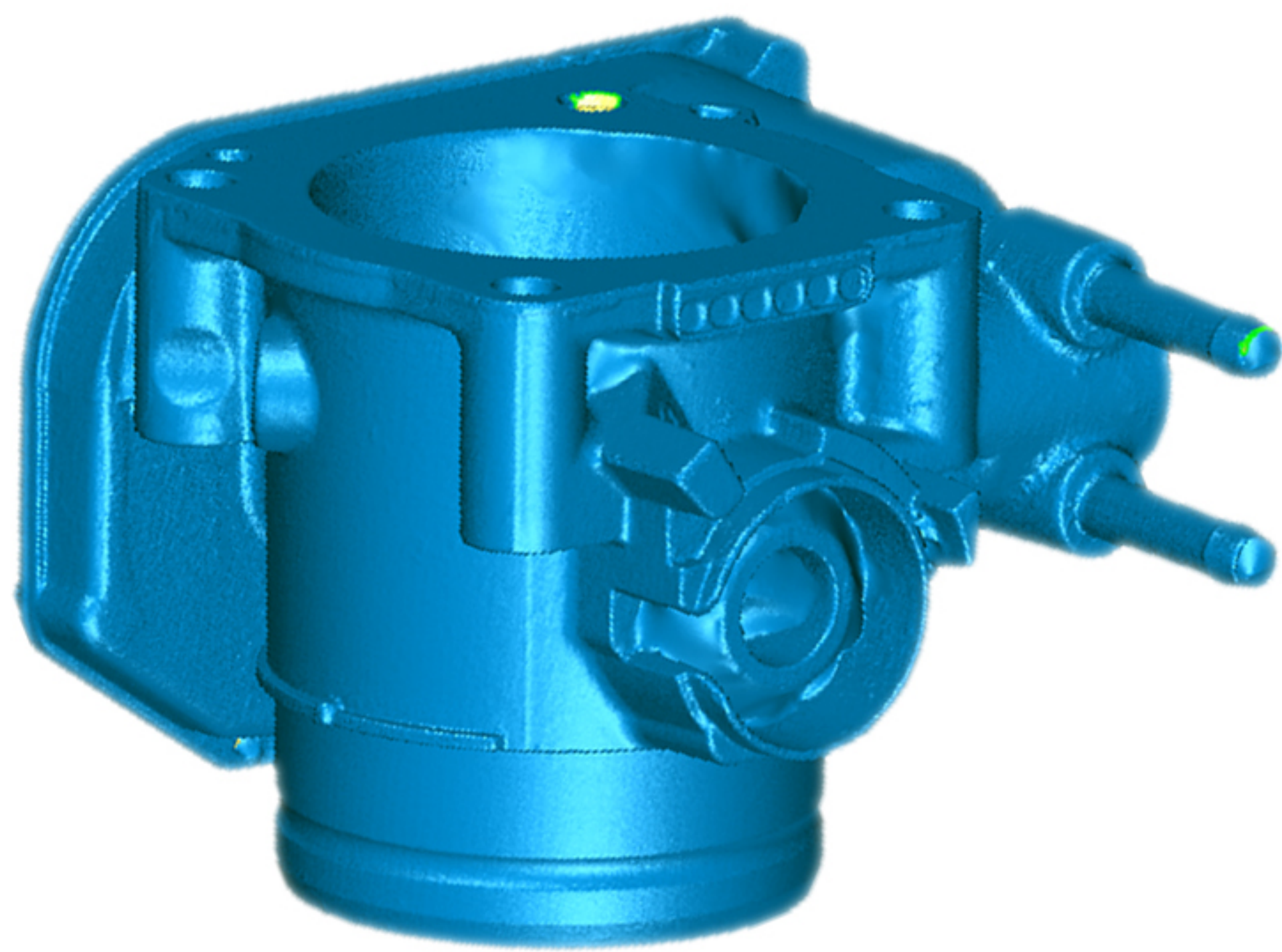


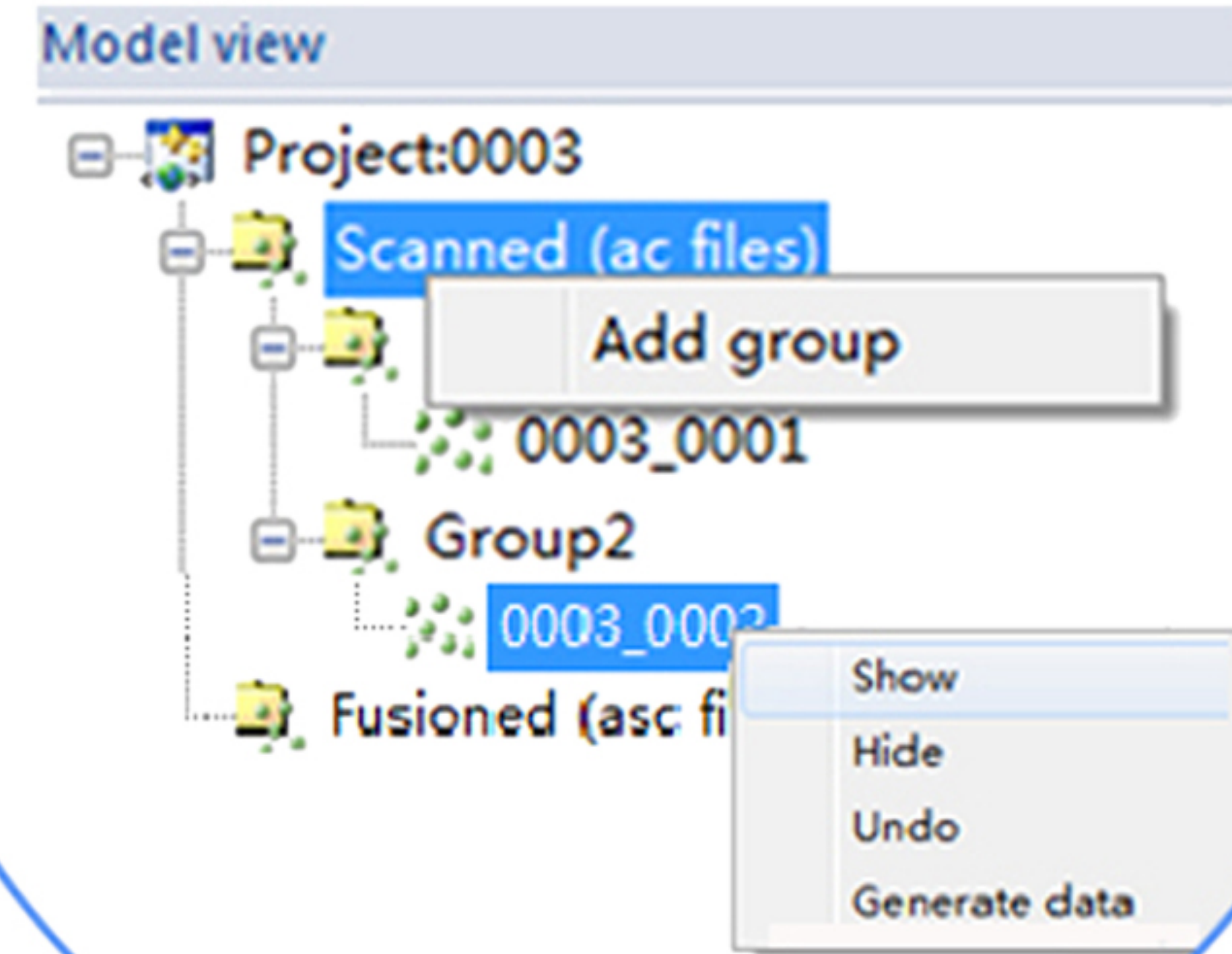
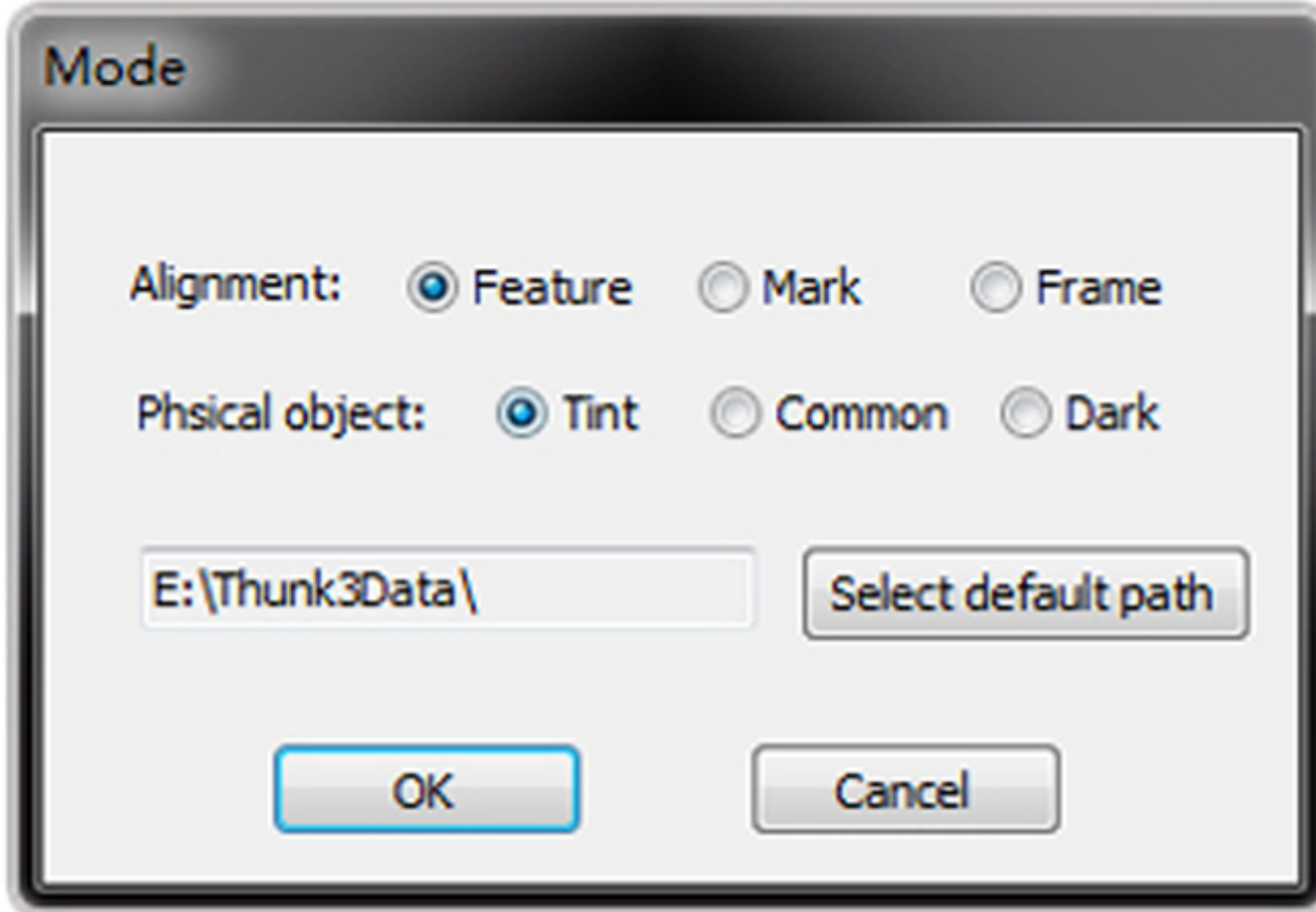
Raw scan  
in daylight



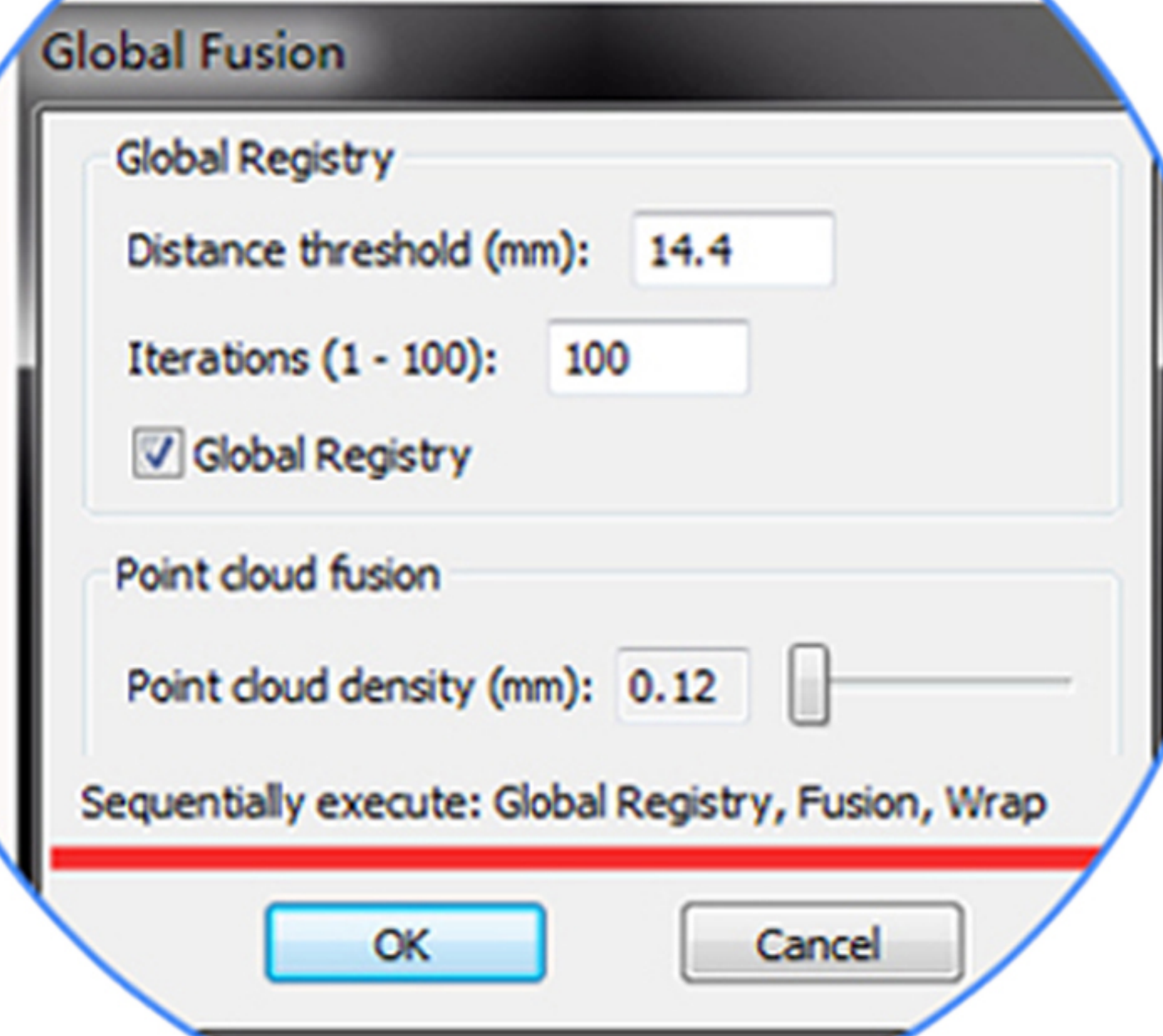
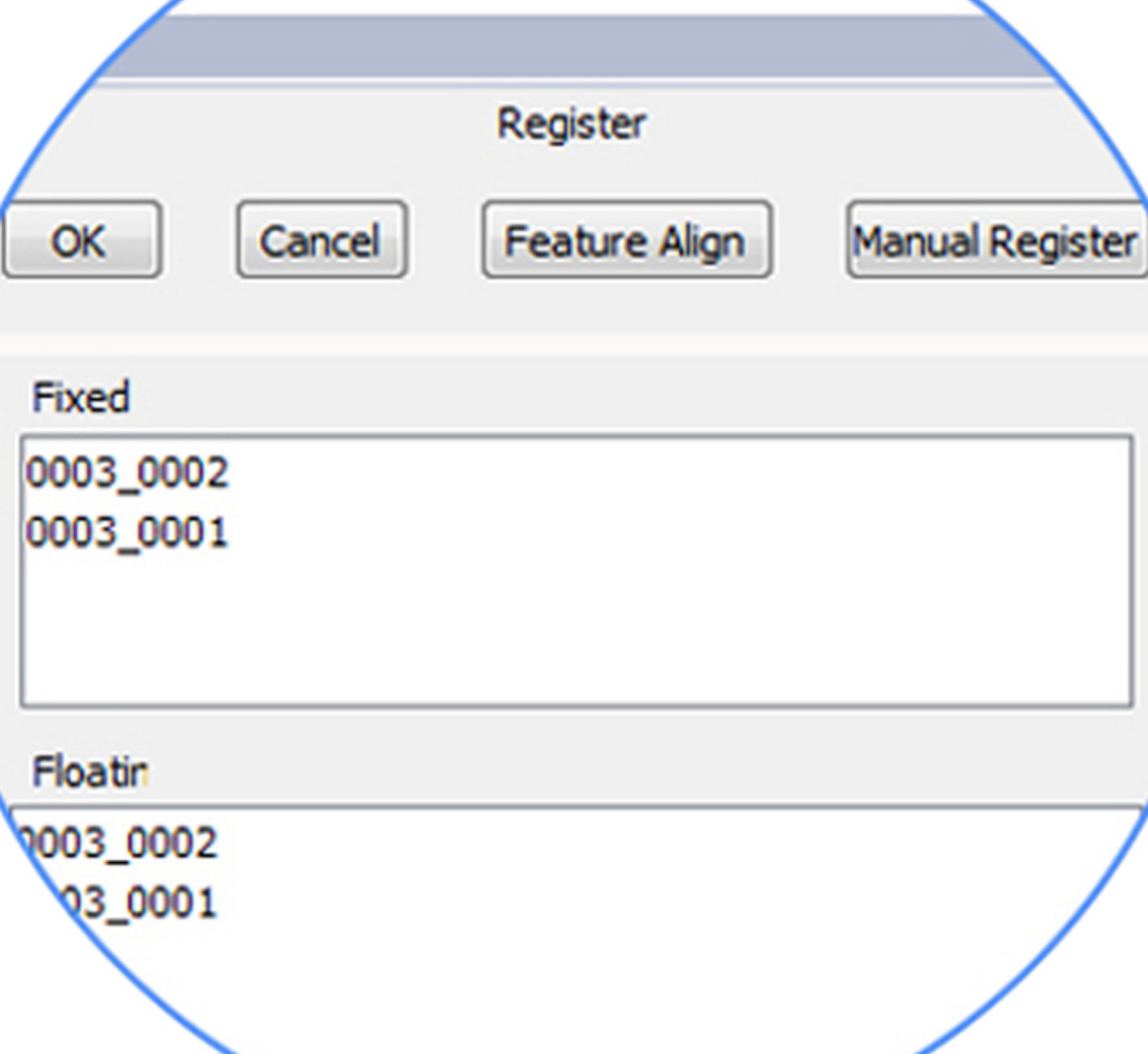


## CASES IN COOPER M20

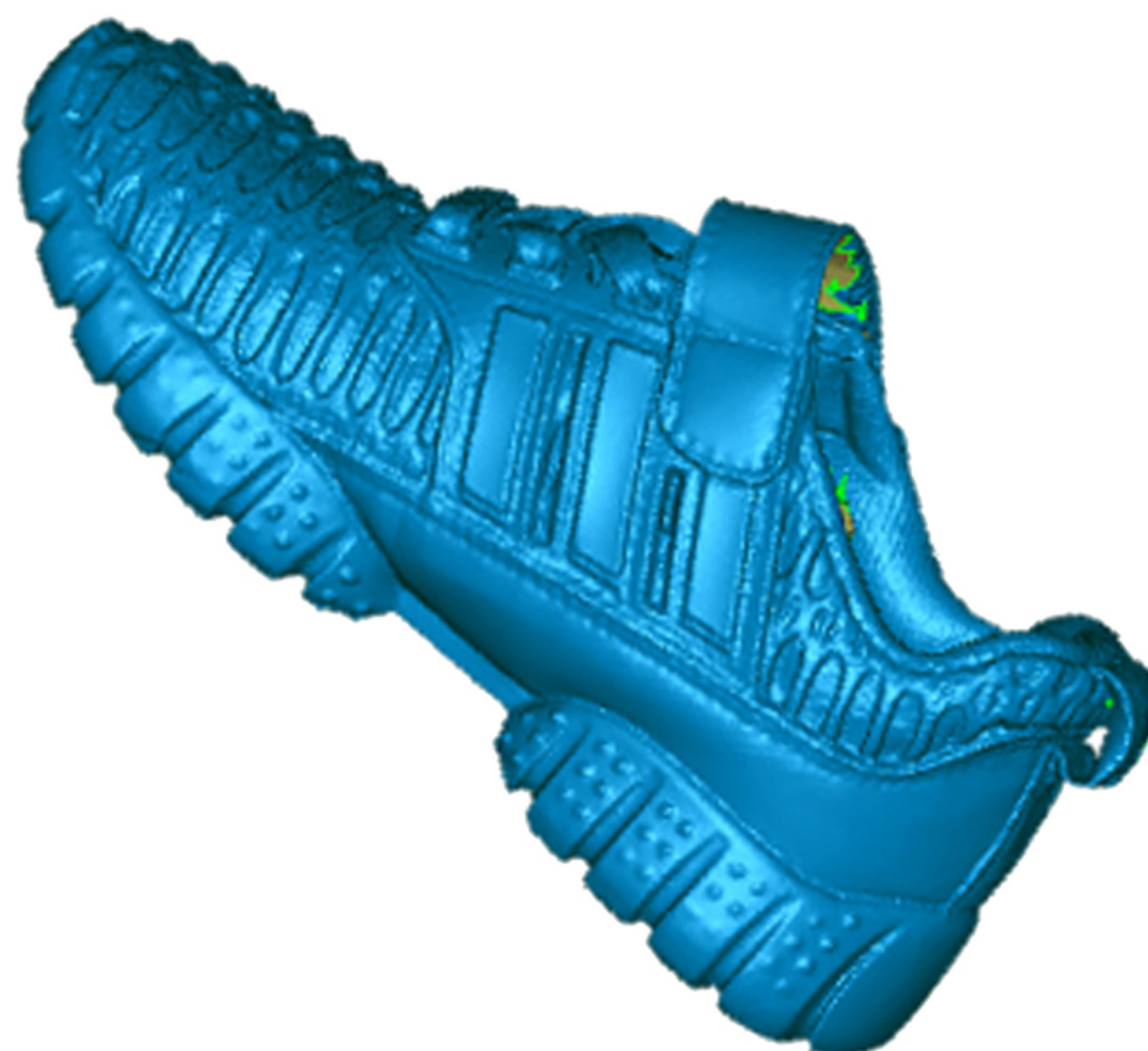




# Feature Align



Case 1: 6.5 inch/16.5 cm girl's shoe



# Mark Align

Alignment:  Feature  Mark  Frame

Physical object:  Tint  Common  Dark

E:\Thunk3Data\

Select default path

OK

Cancel

Configuration

OK

Cancel

Option

Vertex color

Filter Radius (mm): 3.5

Delete border count(0~6): 2

Project cross

Repair Calibration

Thunk3Data > 2018-10-19\_11-30-40-718 > 00002 >

共享 新建文件夹

名称	修改日期	类型	大小
Cpm	2018/10/19 11:30	文件夹	
RawData	2018/10/19 11:30	文件夹	
Xh3s	2018/10/19 11:30	文件夹	
0001_001.b3d	2018/10/19 11:33	B3D 文件	5,925
0001_001.b3d.asc	2018/10/19 11:33	ASC 文件	8,086
0001_001.stl	2018/10/19 11:33	证书信任列表	35,452
0002.xhproj	2018/10/19 11:33	XHPROJ 文件	892
FramePoint.txt	2018/10/19 11:32	文本文档	1

Case 2: 25 inch / 64 cm



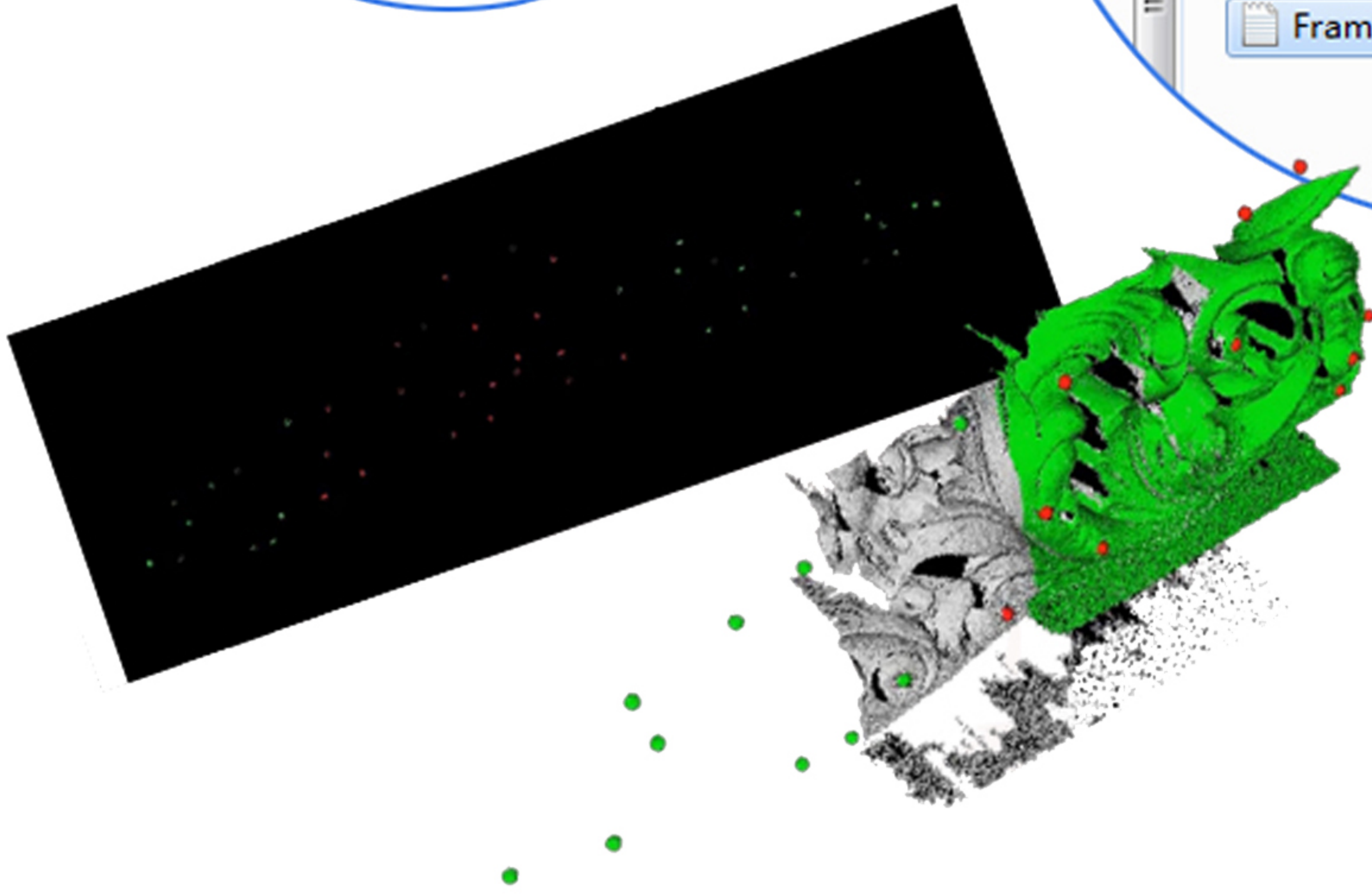
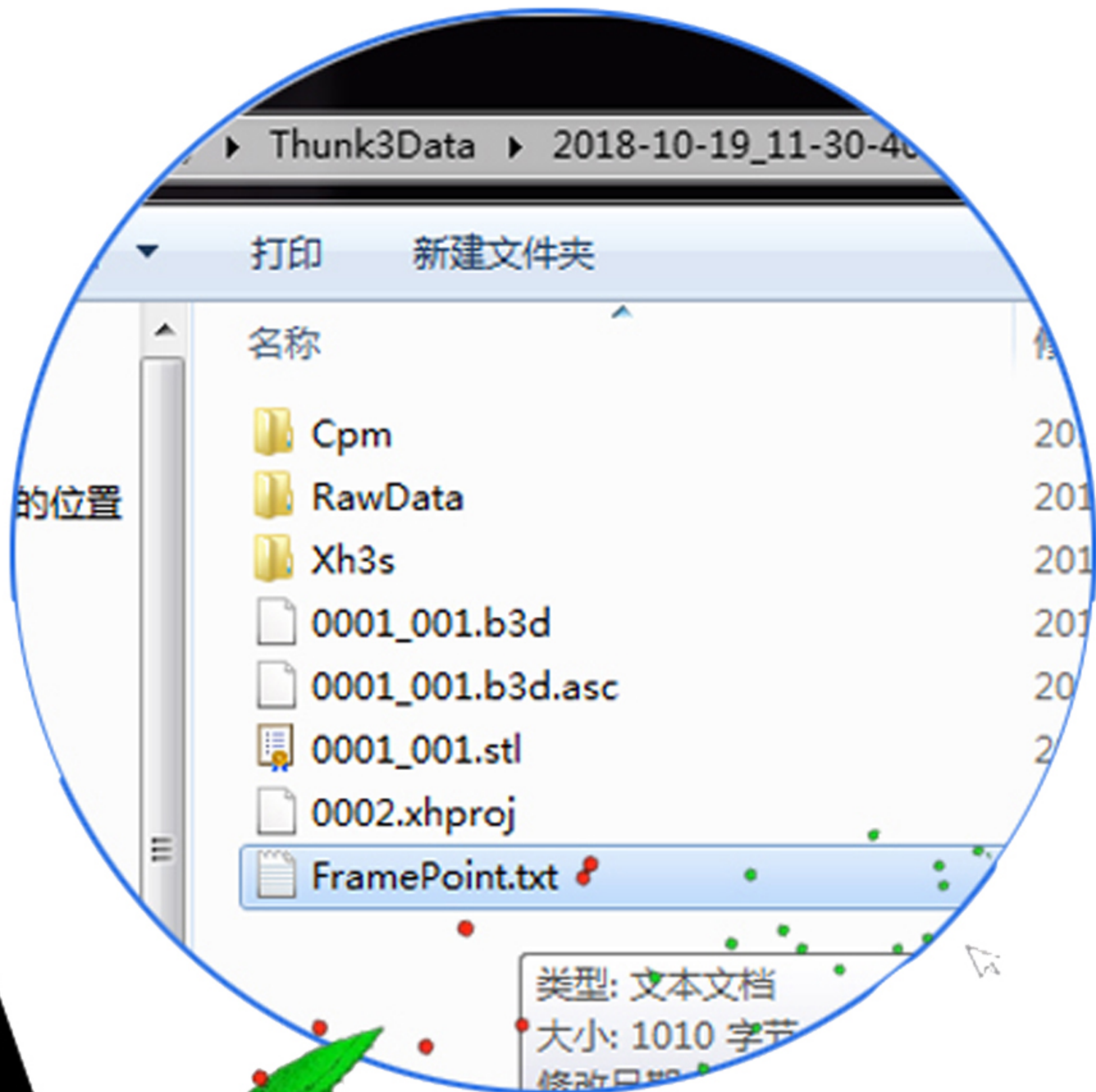
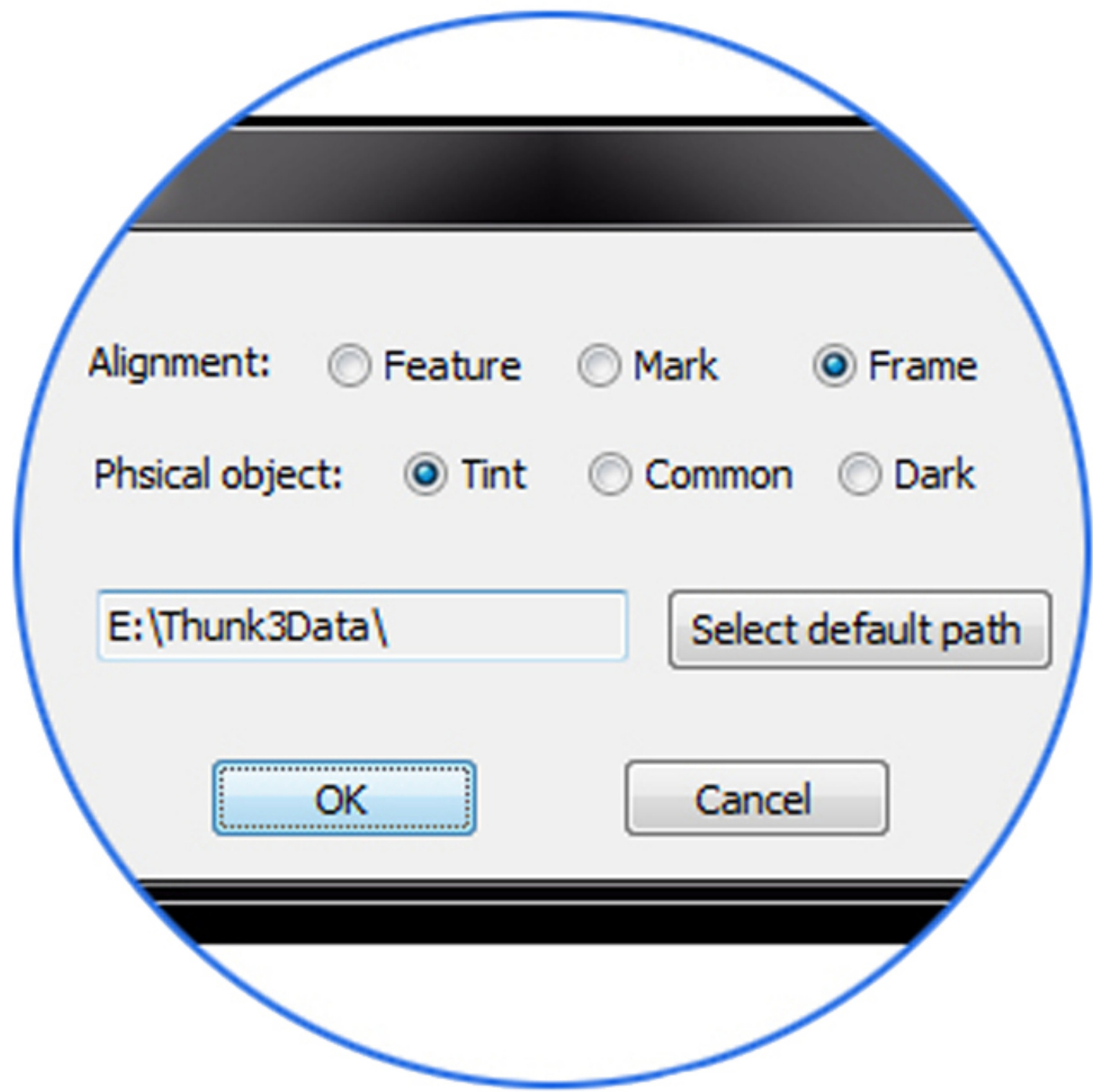
*Carving*



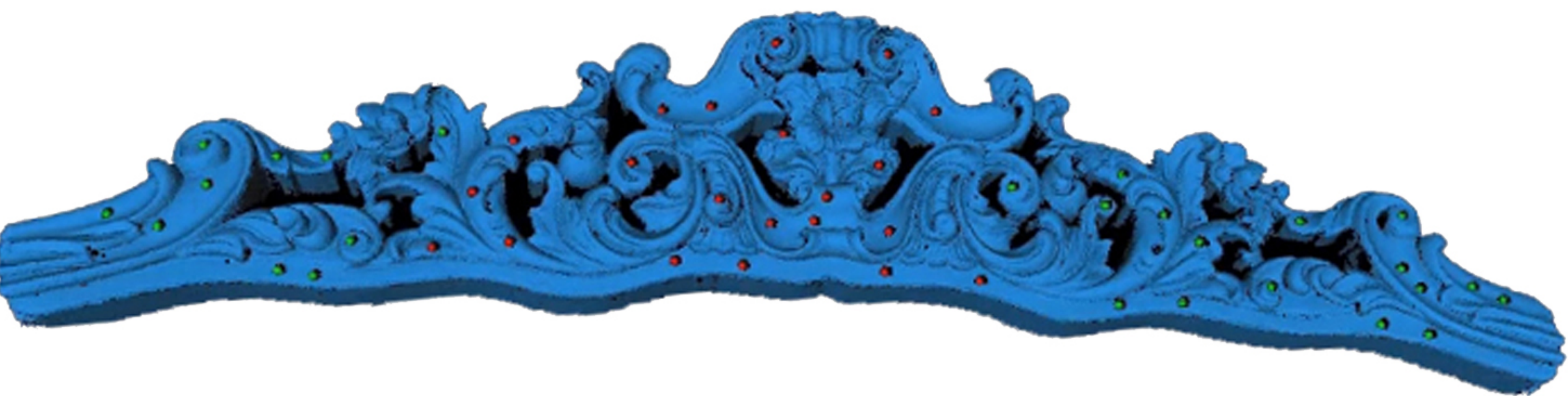
*Point cloud data*



*OBJ data*

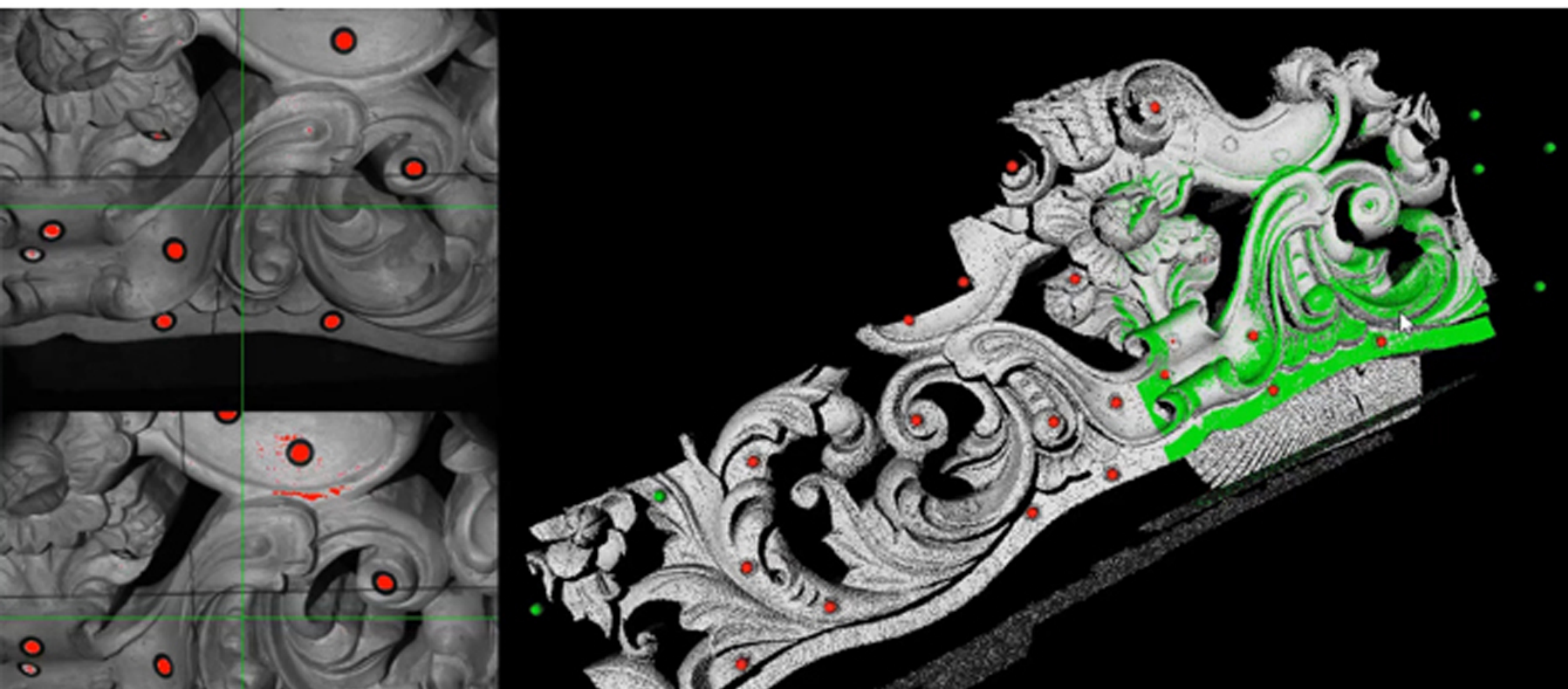


# Frame Align



CASE 3

42.5 inch / 108 cm





# Packing List

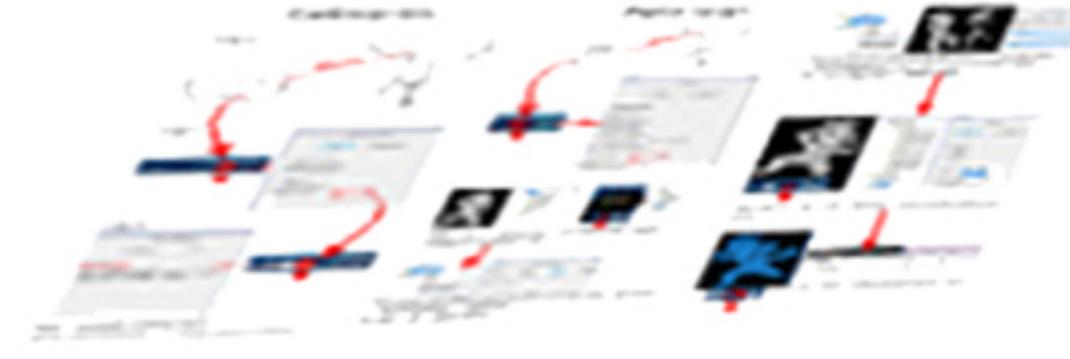
1. Scanner



2. Turntable



3. Guide map



4. Tripod



5. Cables



6. Mark paper



7. Calibration plate



8. Adapter



9. U-disk

