

A person wearing a black long-sleeved shirt and blue jeans is holding a white handheld 3D scanner. The scanner is positioned over a small, white, rectangular object that is resting on a black rotating platform. The platform is on a wooden table. The scanner has a blue light on its front. The person's left hand is resting on the table next to the platform. They are wearing a silver watch on their left wrist.

Smaller FOV scan tiny objects
with better resolution

THE ONLY DUAL FOV WHITE LIGHT 3D SCANNER IN THE WORLD

A person is holding a white handheld 3D scanner. The scanner is positioned over a large, blue, curved object that is resting on a black rotating platform. The platform is on a wooden table. The scanner has a blue light on its front. The person's left hand is resting on the table next to the platform. They are wearing a silver watch on their left wrist.

Larger FOV scan big objects
fluently and efficiently

THUNK3D HANDHELD 3D SCANNER



2020



2019



2018



2017



Fisher

Monochrome sensor*2



Archer

Monochrome sensor *2

Full color sensor * 1

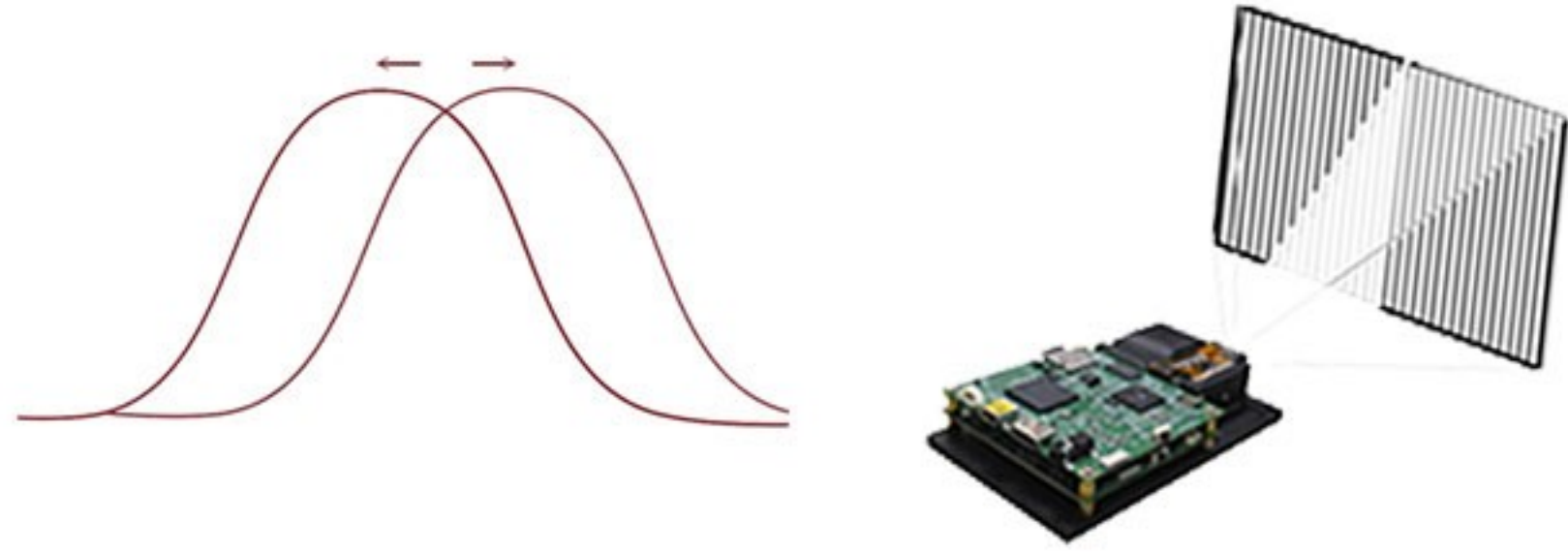


Fisher Pro

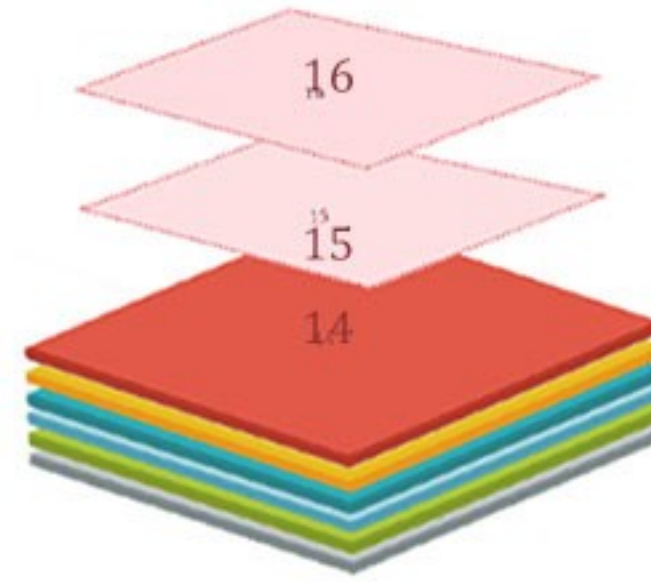
Monochrome sensor * 2

Photogrammetry sensor * 1

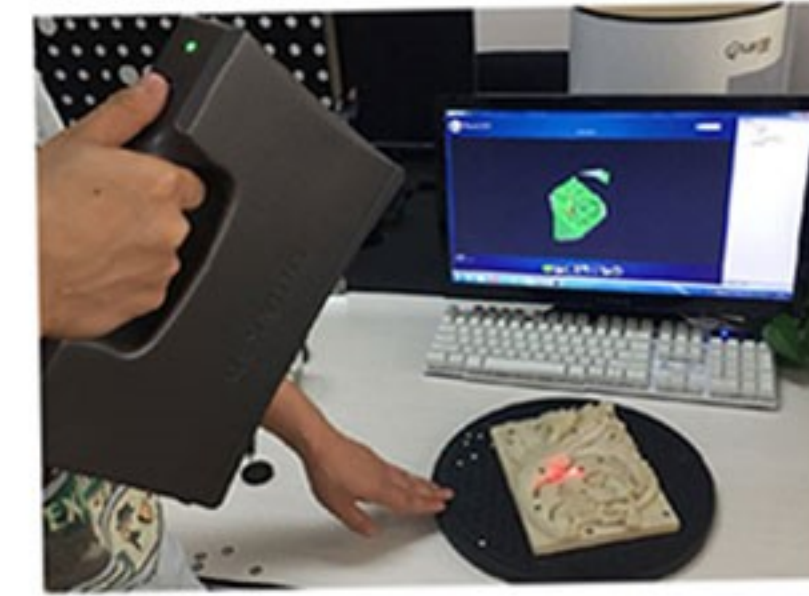
SURFACE STRUCTURED LIGHT TECHNOLOGY



Phase shifting optical triangulation



16 Frames= 1 ac



12-15 ac collected
every seconds



USB 3.0

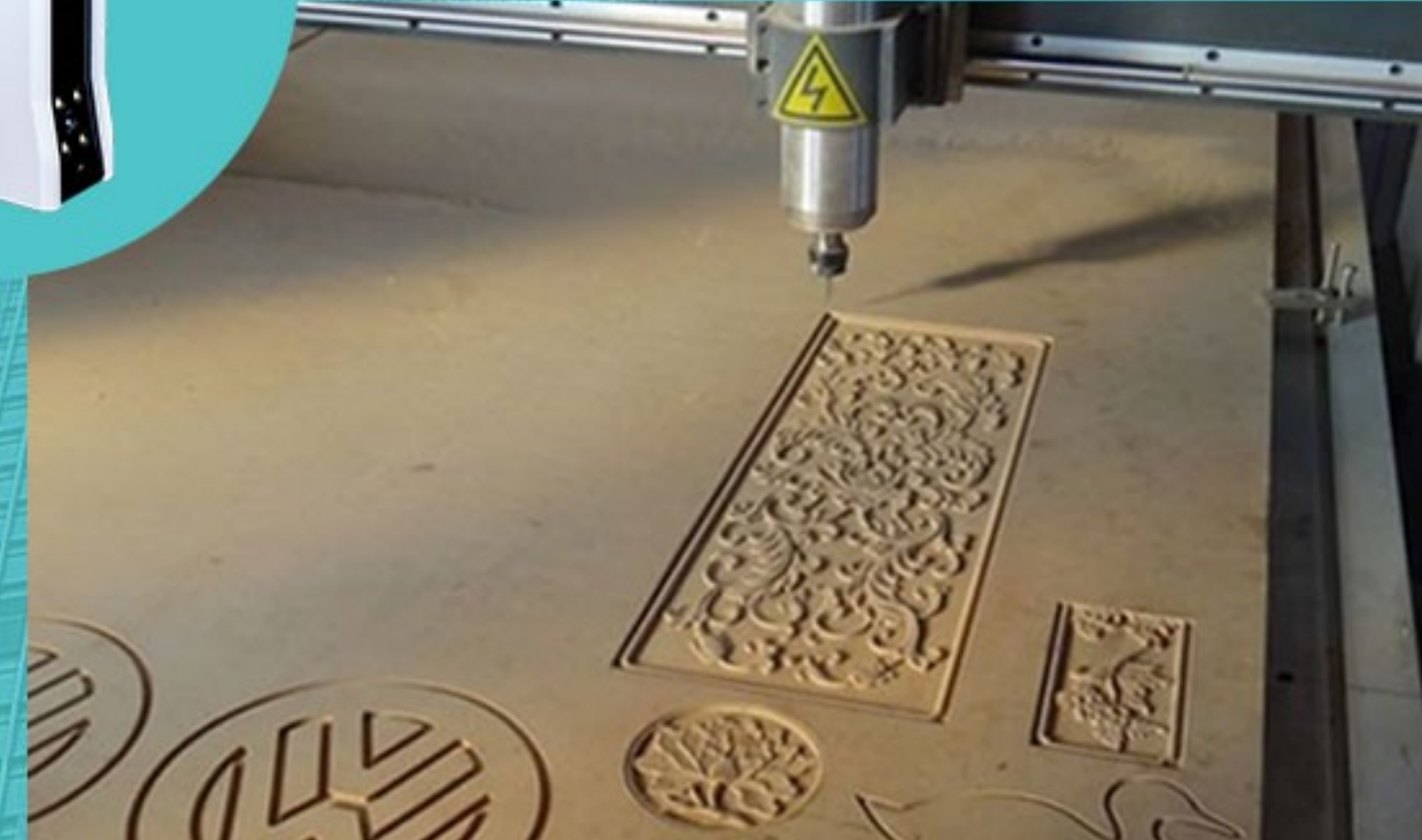
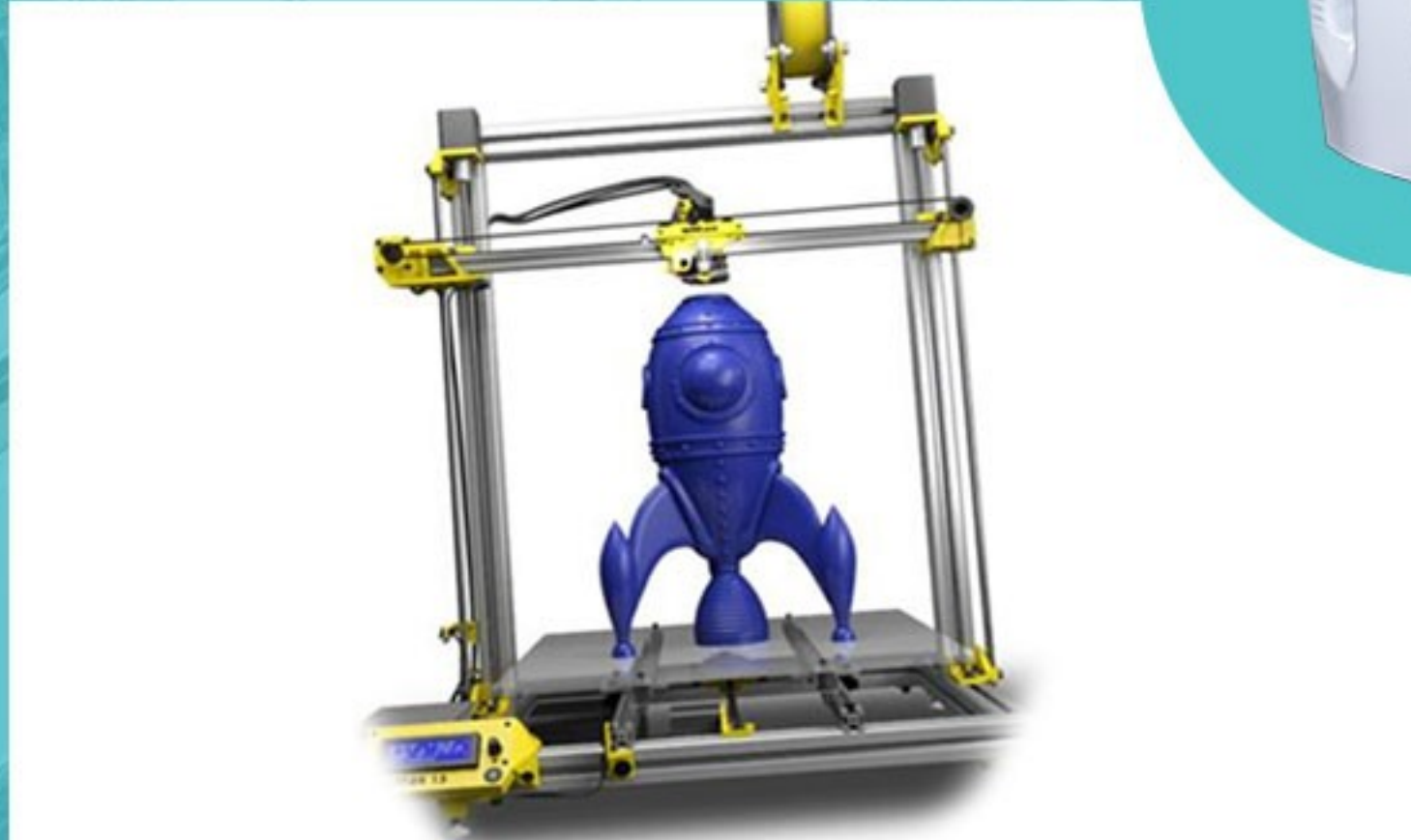
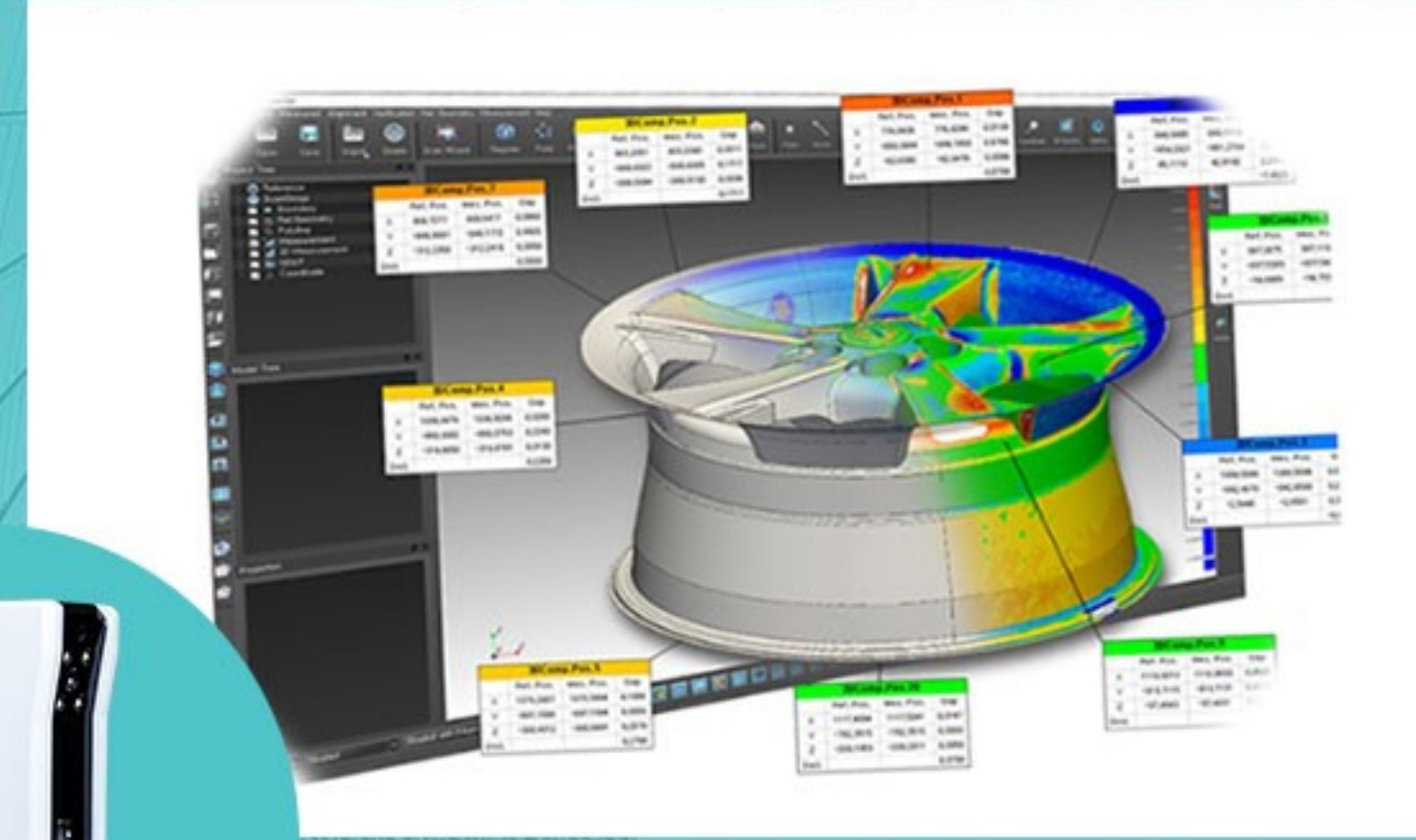
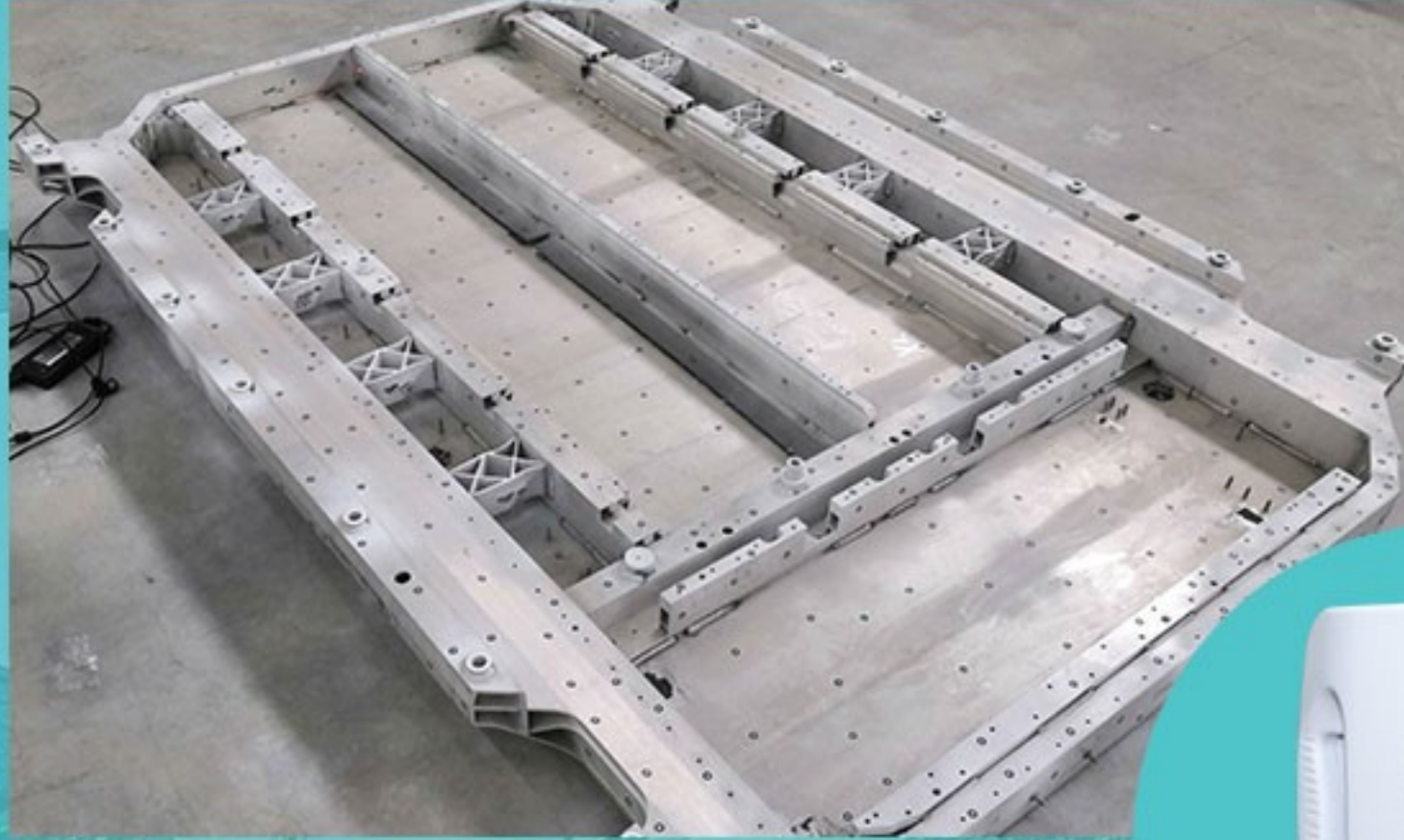
Scanning Speed as **3,000,000** Points / S



For more applications, please visit:

<https://sketchfab.com/Diana123456>

FISHER MONOCHROME APPLICATIONS





ARCHER FULL COLOR APPLICATIONS



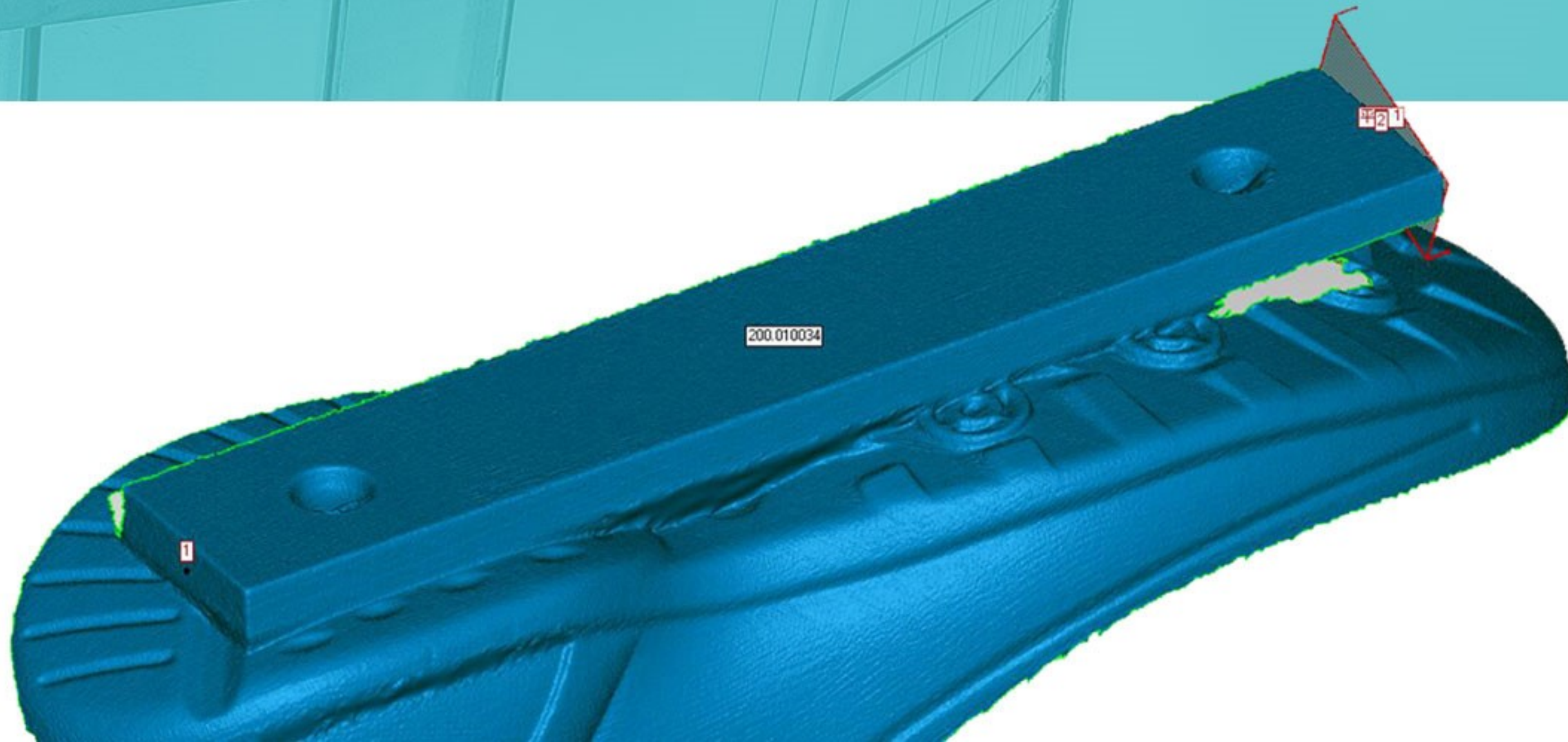
ABOUT ACCURACY

Single frame accuracy: could be calculated by standard block, average result up to 0.04 mm

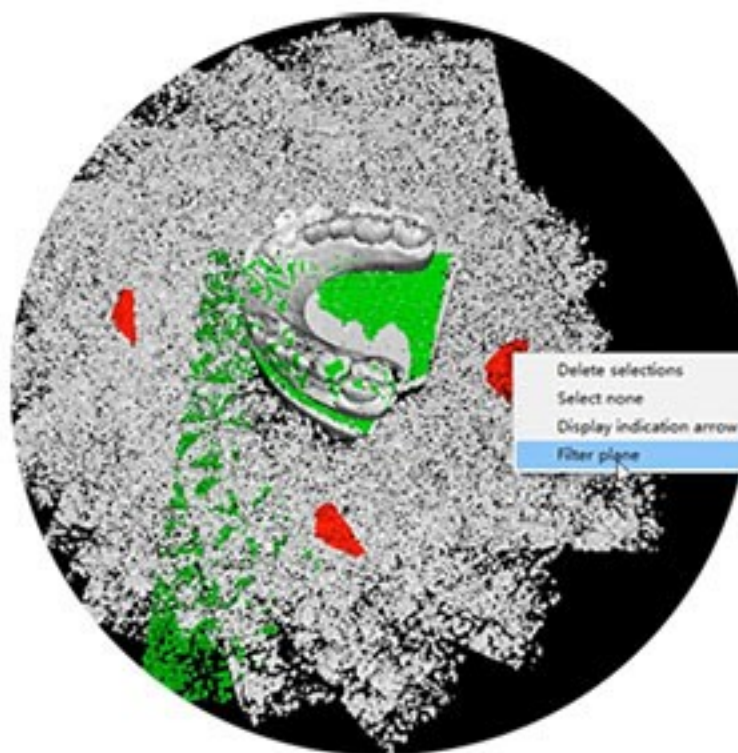
Volume frame accuracy: changable with target shape, size, brightness, measure software ect

ensure $< 0.8 \text{ mm} / M$ under frame alignment

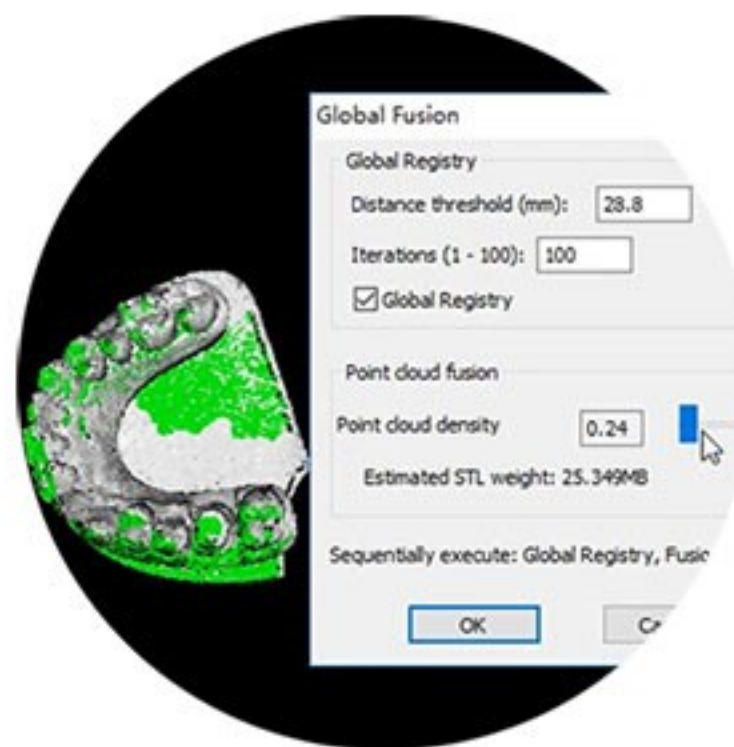
all our scanners could work with Photogrammetry



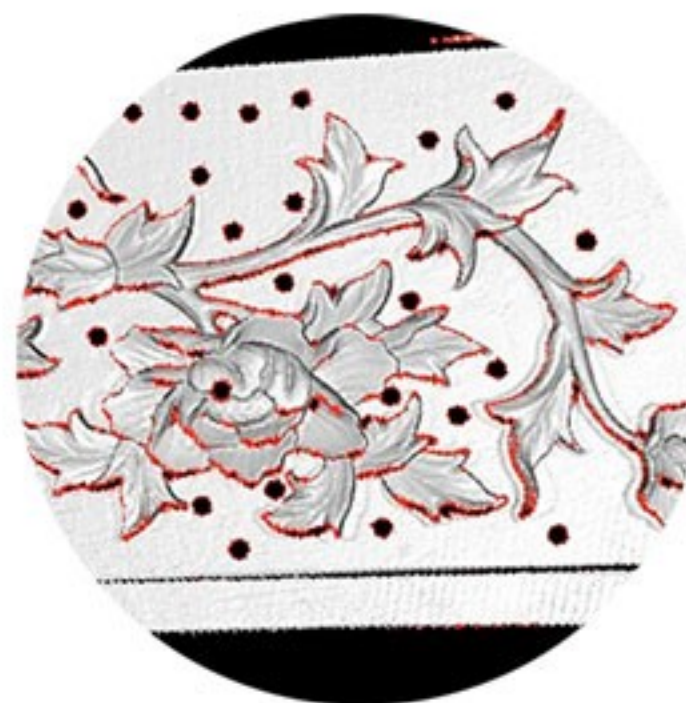
SOFTWARE INFO



Filter plane



From ac to STL



After-Process



FOV Shift

HIGH RESOLUTION UP 0.12MM



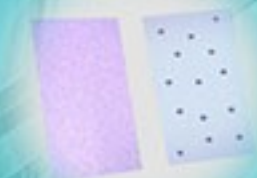
OUR ADVANTAGES



Advantage 1: Real time optimize tracking



Advantage 2: Dual FOV, mobile scan tiny objects



Advantage 3: Full color module build inside



Advantage 4: All software is open free



Advantage 5: Up to 0.12mm resolution

FEATURE ALIGNMENT



NEW PROJECT OPTION

Alignment: ☒ Feature ☐ Mark ☐ Frame ☐ Mix

Scan Mode: ☐ Standard ☒ Fine

Object surface: ☐ Lighter ☒ Common ☐ Dark

☒ Oversize mode

☒ Texture

OK

MIX ALIGNMENT



MARK ALIGNMENT



FRAME ALIGNMENT



Handheld HD Scan Specifications					
	Industrial Monochrome			Full Color	
Item Model	FISHER	FISHER W	FISHER X	Archer S	Archer W
Camera	Monochrome, 1.3mp * 2			Monochrome, 1.3mp * 2 + Full color, 1.3mp*1	
Lens	16mm/5mp	12mm/5mp	8mm/5mp	16mm/5mp	12mm/5mp
Raster	DLP 1280*1080				
Resolution	0.1mm	0.2mm	0.5mm	0.1mm	0.2mm
Light Area	30*24cm; 12*10cm	40*32cm; 20*16cm	80*64cm; 40*32cm	30*24cm; 12*10cm	40*32cm; 20*16cm
Frame accuracy	0.04mm	0.1mm	0.2mm	0.05mm	0.1mm
Scan speed	3,000,000 points/S, 12-15 F/S				
Scan volume	5 -100cm	8-200cm	25 -500cm	5 -100cm	8-200cm
Texture	No			Yes	
Alignment	Feature align (support group register) Mix align Mark align Frame align				
Data format	ASC/STL			ASC/STL/PLY	
Photogrammetric	YES(option), volume accuracy within 0.1mm/M			NO	
Advantages	Accuracy preference	Scan big objects in high resolution	Fast scan super big object	Color restore for regular display	Best choice for Face/human scan
Public API	USB 3.0; C++ interface				
PC Require	Nvidia as main GPU； Win7 (64) and higher;				
Certification	CE/FCC/WEEE/CNAS				
Software	Fill holes; Decimate; Smoothen				
After process (option)	CAD /Scan importing Point process (Register/Merge, Noise Delete/Noise Filtering) Polygon process (Smooth/Decimate/Subdivide/Fill holes /Remove Markers / Scale Polygon Healing (Abnormal /Cross /etc)				

PACKAGE

39CM * 33CM *16CM, 3.5 KG

