



SHINING 3D®

# Transcan C

A Professional 3D Scanner for Diverse Industries

- Ready-to-Use Dual Scan Range
- Multi-resolution fusion
- 12 MP high-resolution color camera



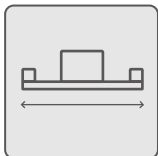


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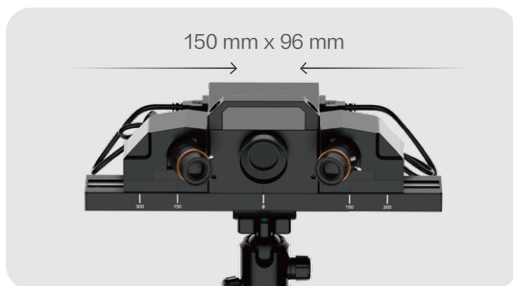
SHINING3D developed the Transcan C as a professional-grade 3D scanner capturing exceptionally high resolution and accurate scans of objects from small to medium size for a great variety of industries. In addition, the 12 MP cameras produce rich and detailed textured 3D model, giving an intuitionistic image of the physical object.

- Adjustable scanning range to meet various object scanning needs.
- Smoothly shift between 3 levels of resolution in one project to create great detail with high efficiency.
- 12MP color cameras provide rich and detailed color texture 3D model.

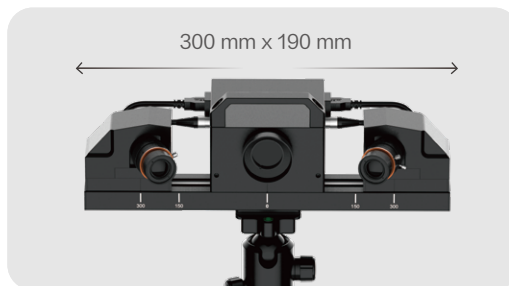


## Ready-to-Use Dual Scan Range

The slide-rail design enables an easy switch of the scanning range between 150 mm x 96 mm and 300 mm x 190 mm meeting the needs of scanning objects of different sizes effectively.



**Inner Smaller Field of View**  
for scanning small objects



**Outer Larger Field of View**  
for scanning medium large objects



High Resolution



Low Resolution



## Multi-Resolution Fusion

The Multi-Resolution Fusion Algorithm allows a mixture of 3 levels of resolution of high, medium or low in one project for complex scanning tasks, which highly improves efficiency without duplication of work.

12  
MEGA PIXELS

## High Color Fidelity

Two 12 MP color cameras are installed to capture a detailed 24-bit color map, replicating the authentic color of the physical object. Transcan C is the ideal solution to capture color 3D data for virtual display.



Object size (FENDI-Handbag):  
295 mm × 133 mm × 159 mm

· Scan the QR code to view the scan data online.



Object size (Li Ning-Sports Shoes):  
300 mm × 118 mm × 148 mm



Object size (Vase):  
170 mm × 169 mm × 188 mm



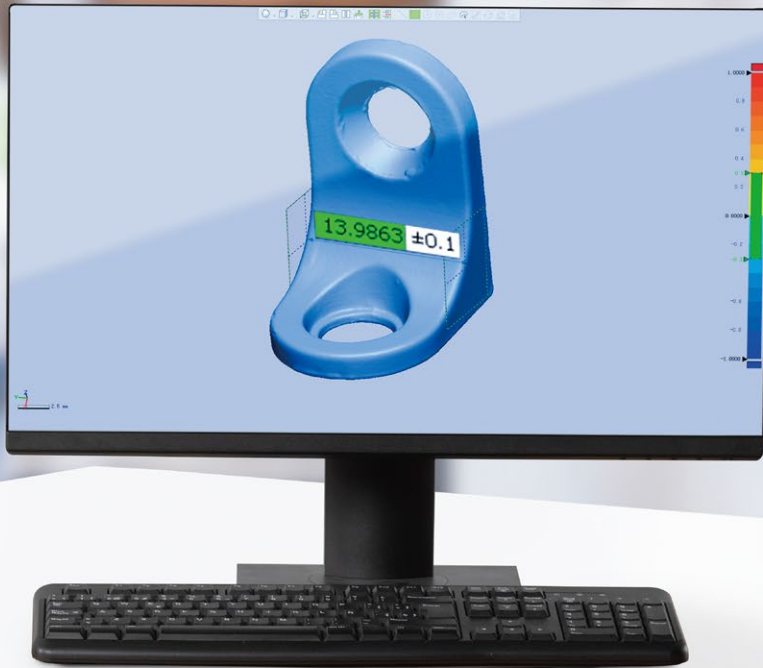
Object size (Matryoshka doll):  
90 mm × 174 mm × 90 mm

\*The color texture scan data on this page are all scanned in the light box

$\leq$   
**0.05**  
mm

## High-Accuracy Scan Data

The compact design scanner produces high accuracy of 0.035 mm at its inner position, and of 0.05 mm at its outer position. These results are valuable to many applications for measurement.



0.0375  
mm

## Micro Details Reproduction

The minimum point distance can reach 0.0375 mm (resolution) to reproduce fine details on the surface in its inner position of 150 mm x 96 mm.



Object size  
(The Stupa Hin—Bronze Ware):  
150 mm × 80 mm × 210 mm



Object size (Carving—Elephant):  
176 mm × 115 mm × 234 mm

· Scan the QR code to view the scan data online.

AUTO

## Intelligent Operation

The scanning process is fully automatic with the turntable. Combined with the scanning software's stitching algorithm, this ensures the efficient acquisition of 3D data without manual intervention.

The software interface guides the user through a simple operation process while providing powerful tools for the hassle-free optimization of the scan results.



Object size (Tmall Elves-Minions Sound):  
151 mm × 66.5 mm × 70 mm

· Scan the QR code to view the scan data online.

# TECHNICAL SPECIFICATION

## Transcan C

|   |   |                             |
|---|---|-----------------------------|
| Light Source                            | White LED Light   |                             |
| Calibration Mode                        | Manual calibration  |                             |
| Scan Mode                               | Structured-light scan with automatic turntable  |                             |
| Scan Range                              | 150 mm x 96 mm  | 300 mm x 190 mm             |
| Single Shot Accuracy                    | 0.035 mm  | 0.05 mm                     |
| Scan Speed                              | <70 s (8 scans/turn without texture); <3 s (single frame without texture)   |                             |
| Texture Color                           | RGB 24-bit color  |                             |
| Texture acquisition method              | Fully automatic soft light shooting   |                             |
| Texture Map                             | 12 mega pixels, high fidelity color   |                             |
| Align Mode                              | markers alignment; feature alignment; manual alignment  |                             |
| Working Distance                        | 260 mm  | 480 mm                      |
| Point Distance                          | 0.0375 mm; 0.075 mm; 0.114 mm   | 0.075 mm; 0.154 mm; 0.23 mm |
| Data Format                             | OBJ, STL, ASC, PLY,3MF  |                             |
| Working Temperature                     | Indoor, room temperature  |                             |
| System                                  | Win10; 64-bit   |                             |
| Recommended Computer Configuration      | Graphics card: NVIDIA GTX/RTX series cards, higher or equal to GeForce RTX 1060;<br>Video memory: ≥4 G; Processor: I7-8700; Memory: 32 GB   |                             |
| Size                                    | Host module: 332 mm x 110 mm x 142 mm (bare machine size)<br>Tripod components: 475 mm x 120 mm x 120 mm (bare machine size)<br>Turntable module: 320 mm x 320 mm x 68 mm (bare machine size) |                             |
| Weight                                  | Host module: 2.7 KG (net weight) Tripod assembly: 2.2 KG (net weight)<br>Turntable module: 2.1 KG (net weight)  |                             |
| Maximum Turntable Load-Bearing Capacity | ≤10 KG  |                             |

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( For Internal Training )