





## PALM Dental Photogrammetry Scanner



-  It can capture the implant positions in 10 seconds to reduce chair-time
-  The minimum accuracy is 5  $\mu\text{m}$
-  It improves the comfort of patients
-  Fully compatible with more than 20 implant brands



## Taking digital impressions is both efficient and comfortable

When compare to traditional way, digital impression is simple and easy to operate and it also reduces chair-time and as well improves clinical efficiency. It lowers the risk of foreign body touching the patient's mouth and helps reduce pains, nausea and discomfort for patients. It's not convenient to store physical models to avoid the risk of damage rather it's better to have digital model because it's easy and faster for mailing.



### The full capture can be done within 10 seconds

Palm captures digital impression by identifying Palmark screwed on the abutment. It's faster and less time consuming.



### High-precision scanning

With the high-speed and high-resolution infrared camera and a specially designed accuracy optimization algorithm, the system helps the final result to be accurate.



### It's designed to be lightweight and portable for easy handling

We have the smallest digital photogrammetry scanner compared to other competitors and also our scanner is portable and lightweight to use.



### It's easy to capture the impressions

The traditional process of taking physical molds is complicated. Palm significantly reduces the difficulty by relying less on the technician's talent and experience.



## High-speed and high-resolution infrared camera

The custom-built near-infrared light and image recognition modules work reliably even in varying light conditions, ensuring consistent identification.

### Micro Palmark and Palmcap

Micro Palmark and Palmcap are designed to be smaller, easier to install, and more comfortable for patients based on the size of the mouths.



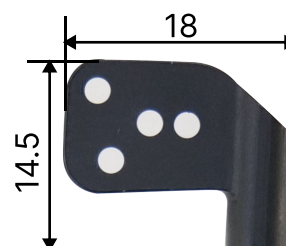
#### Quick setup before use

Install Plamark in any tooth position without the need for individual correspondence, then quickly complete the pre-scan installation settings.

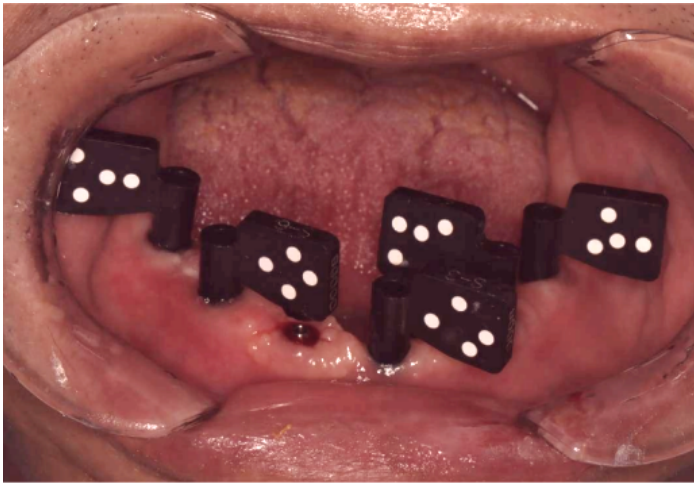


#### Regularly clean and sterilize, or use high temperature and pressure for sterilization

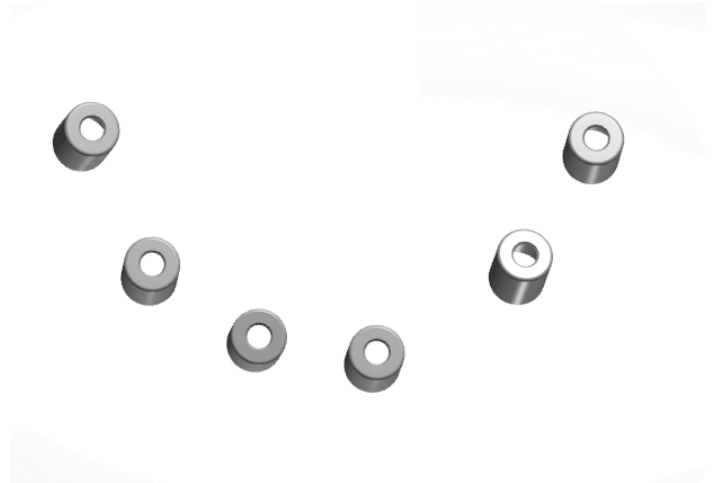
Maintain stable scanning accuracy while sterilizing with high temperature and pressure.



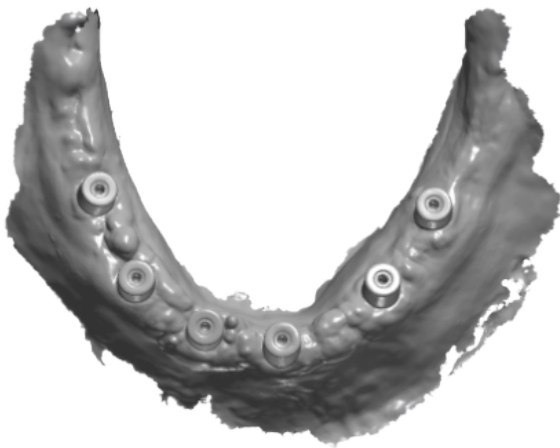
## Case 1



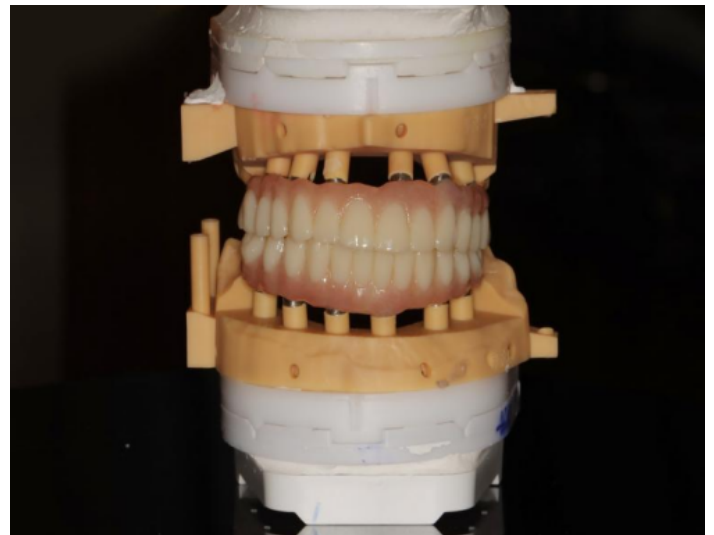
Palmark Installation



Implant positions captured



Soft tissue data captured



Design and fabrication of prosthesis in the factory



The final prosthesis



Panoramic radiograph with prosthesis



## Case 2



Palmcap Installation



Palmark Installation



Experimenting with Malo Bridge



Experimenting with Malo Bridge



The final prosthesis



Panoramic radiograph with prosthesis

## PALM Dental Photogrammetry Scanner - Software configuration requirements

### Minimum configuration:

System: Windows 10 Home

CPU: 10th Gen Intel® Core™ Processors i5

Graphics card: NVIDIA GeForce 1650 2G

Memory: 16G

Hard disk: 512G

### Recommended configuration:

System: Windows 10 Pro

CPU: 11th Gen Intel® Core™ Processors i7

Graphics card: NVIDIA GeForce 3050 4G

Memory: 32G

Hard disk: 1T



## PALM Dental Photogrammetry Scanner - Compatible implant systems



We are currently testing our product

Shanghai Shecheng Medical Device Co., LTD.

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