

3Shape TRIOS 4



Frequently Asked Questions

*Caries diagnostic aid for surface caries is not yet cleared for clinical use by the FDA in the USA.

Caries diagnostic aid for interproximal caries is not yet cleared for clinical use.

The new version of TRIOS Patient Monitoring to track caries development is not yet cleared for clinical use.

Product description

What is TRIOS 4?

TRIOS 4 is the most powerful 3Shape intraoral scanner to date and the world's first intraoral scanner that aids the detection of both possible surface* and interproximal* caries without the need for an additional scanning device. TRIOS 4 comes with a new generation of tips with instant-heat technology so they are scan-ready in seconds, enabling 30% additional battery life.

TRIOS 4 includes the well-known 3Shape scan technology with excellent accuracy, insane speed mode, realistic lifelike colors, and shade measurement as well as AI scan technology for simplified scanning.

Does TRIOS 4 also come as a wireless configuration?

Yes, TRIOS 3 and TRIOS 4 are available as wired and wireless configurations with individual item numbers.

How many batteries are included in the TRIOS 4?

TRIOS 4 comes with 3 batteries.

What are the key product features and software options for TRIOS 4 in comparison to TRIOS 3 and TRIOS 3 Basic?

Please follow the [link](#) to see the differences.

What is the price of TRIOS 4?

Please see TRIOS price list.

Technical features

Is TRIOS 4 heavier than TRIOS 3?

No, the scanners have the same weight.

Is TRIOS 4 faster than TRIOS 3?

The scanning speed is equal, but the instant-heat technology enables the system to be scan-ready in seconds.

Does TRIOS 4 scanner come with a handle?

No. TRIOS 4 comes as a pen grip configuration.

Does TRIOS 4 require a PC with a bigger graphics card?

No. TRIOS 4 has been designed to be fully functional with the same computers (graphics cards) as TRIOS 3. Please find the PC catalog in the 3Shape TRIOS Product Catalogue.

Which accessories are available for TRIOS 4?

Please find information in the 3Shape TRIOS Product Catalogue.

Will TRIOS 4 be able to send to Invisalign in EU?

While TRIOS 4 is a new design, the underlying scan quality, method and format are identical to that of TRIOS 3. Despite the same technical compatibility, Align Technology has decided NOT to qualify the TRIOS 4 for Invisalign interoperability in the US or globally today.

TRIOS 4 smart tips

What is a TRIOS 4 smart tip?

The TRIOS 4 smart tips are a new type of tips enabled with TRIOS 4. This new generation of tips features:

- instant-heat technology which enables the system to be scan-ready in seconds
- increased battery life with an additional 30% to 45 min scan time
- intelligent use count.

There will be two types of TRIOS 4 smart tips:

- Smart tip for 3D color scan and surface* caries detection aid (fluorescence scan)
- Smart IR (Infrared) Transillumination imaging tip for interproximal* caries detection aid.

Both tips are reusable and autoclavable.

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How many different tips does TRIOS 4 come with?

TRIOS 4 can be operated with the following 2 different smart tips:

- Smart tip for 3D color scan and fluorescent scanning for surface* caries detection aid. 5 tips are included with TRIOS 4.
- Smart IR (Infrared) Transillumination imaging tip for interproximal* caries detection aid. This tip is ordered as a separate item.

Please see local availability in the registration list on Partner Portal.

Please see visual TRIOS 4 scan types in the product film [here](#).

What is the key difference between a TRIOS 4 smart tip and a TRIOS 3 tip?

TRIOS 4 smart tips have built-in instant-heat technology, enabling the system to be scan-ready in seconds and increase scan time with 30% to 45 min of continuous scan time. The TRIOS 4 smart tips also feature an intelligent use count. Additionally, the TRIOS 4 tips use a “twist-to-lock” mounting principle to mount the tips onto the scanner. All tips are reusable and autoclavable.

Can TRIOS 3 and TRIOS 4 tips be used on both scanner types?

No. TRIOS 3 and TRIOS 4 have their own dedicated tips.

What is the price of the IR (Infrared) Transillumination tip?

Pricing will be available in the TRIOS price list later this year.

Communication about availability to order the IR tip will be announced later this year.

Digital caries detection aid

How does the fluorescent imaging technology work?

The TRIOS 4 built-in fluorescent technology identifies possible surface* caries and overlays the standard 3D TRIOS scan with additional color-coded data. With the help of the scanner's blue light and optical filters, green fluorescence areas

indicate healthy tooth tissue, less of green color can indicate demineralization and red fluorescence can indicate bacteria concentration. This technology is a tool and aid that doctors can use in the detection and diagnosis of caries. The final diagnosis is always made by a doctor.

Please see visual TRIOS 4 scan types in the product film [here](#).

How does the IR (Infrared) Transillumination imaging technology work?

The new TRIOS 4 IR Transillumination smart tip aids the identification of possible interproximal* caries which can be undetectable to the eye without any radiation. Shining infrared light through the teeth reveals caries lesions through transillumination. Healthy enamel is transparent, and dentin appears dark because it absorbs infrared light. As caries lesions are porous and light is scattered on them, dark shadows indicate possible interproximal caries.

Please see visual TRIOS 4 scan types in the product film [here](#).

Does TRIOS 4 expose radiation when using the IR (Infrared) Transillumination imaging tip?

No. TRIOS 4 does not use the same technology as an X-ray. The TRIOS 4 tip for interproximal* caries detection aid is designed with infrared light – without emitting radiation.

Can TRIOS 4 caries diagnostics aid image scans be compared over time?

Yes. The new version of TRIOS Patient Monitoring* offers a unique opportunity for preventive insights to accurately track changes in teeth, caries development and identify dental conditions (bruxism) over time. Hereby TRIOS technology enables dentists to provide preventive treatment for their customers at an early stage which was impossible before.

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Do doctors need to also take a radiograph for insurance reimbursement? Or would the caries* detection aid be acceptable?

The procedure of insurance reimbursement is different country to country. Please refer to local legal requirements.

Does using a caries* detection device meet the ADA guidelines for standard of care. Would they also need to use a radiograph?

TRIOS 4 scans give an indication for caries lesions.

However, it is up to the dentist to decide if he will take a radiograph and what kind of treatment he will follow.

Can TRIOS 4 indicate possible caries around brackets?

For the time being the detection aid of possible caries around brackets cannot be claimed due to a current lack of clinical data. Based on in-vitro testing it seems that surface* caries detection aid when wearing brackets may be possible.

Upgrade solutions

Can TRIOS 4 Wired be upgraded to a wireless configuration?

Yes, there is an upgrade option. Please choose item number 82241259.

How is the upgrade from TRIOS 4 Wired to TRIOS 4 Wireless handled?

Please order the TRIOS 4 Wireless as an upgrade system and send the wired system to 3Shape. The TRIOS 4 Wireless will be returned to you along with a pack of batteries and the connectivity items.

What is the TRIOS 4 wired kit accessory?

The TRIOS 4 wired kit includes a TRIOS 4 wired Pod (incl. electronics) and a TRIOS 4 cord (replacing batteries) which can be used, i.e. in situations where customers with a TRIOS 4 Wireless want to have a wired solution. Customers using a TRIOS 4 Wireless MOVE or MOVE+ set up can use the TRIOS 4 cord directly without ordering the wireless kit.

Can the TRIOS 4 cord be used for TRIOS 3?

No. The cord is a dedicated TRIOS 4 accessory.

Is there a trade-up option for TRIOS 3 to TRIOS 4?

Yes. Please see TRIOS Trade-up Programs in the price list.

When trading TRIOS 3 in for TRIOS 4 - What happens with the dongle and SW licenses?

The customer continues with the existing Software Packages, service agreement, and software modules and with the same license period. If you are trading-up a scanner of which you were not the original reseller, dongle ownership must be transferred prior to trade-up.

From Pod to Pod Systems, the customer will keep the original dongle. From Pod to CART or Move, the customer will receive a new dongle and the original subscription will be transferred to the new dongle. Please include scanner serial number and dongle number of the existing 3Shape scanner when ordering TRIOS.

Availability

Where is TRIOS 4 available?

TRIOS 4 scanner is available in all countries where the product has been registered. Please find the TRIOS Registration Status on the Partner Portal.