

3M™ True Definition Scanner

# Two paths to a digital impression

## Which one should you take?

No matter what kind of digital scanning system you use, it's first necessary to apply a pattern to the tooth, so the scanner can trace its contours.

There are two main ways to apply these patterns:



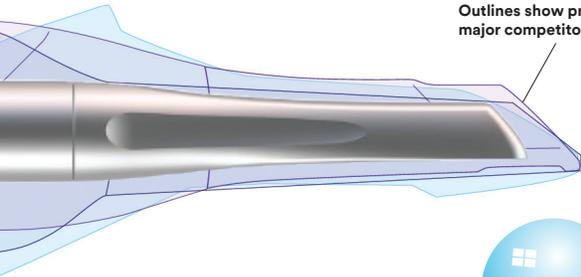
### Laser scanning

Pattern comes from a laser beam projected on the tooth surface

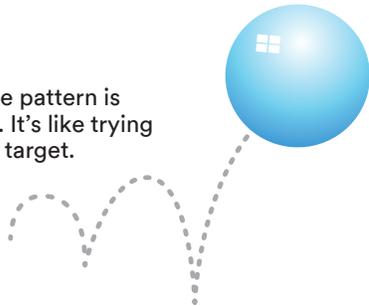
Laser scanning wands must be relatively large, to accommodate the necessary electronics and optics



Outlines show profiles of major competitors' wands



With a laser, the pattern is always moving. It's like trying to hit a moving target.



The complicated optics used in laser scanners are expensive, and not used in consumer electronics – so they cannot leverage the economies of scale made possible by mass production. That's why laser-based intraoral scanners are typically more expensive than True Definition Scanners.

### Video scanning

Pattern is applied with a light coating of scanning spray



## Why 3M has chosen not to use laser technology in their state-of-the-art True Definition Scanners

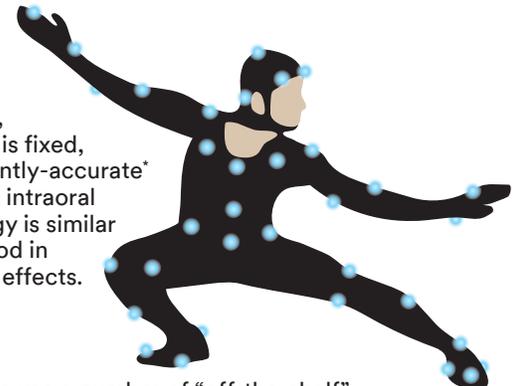
#### ▶ More compact design

Eliminating the laser removes bulk. That's why 3M True Definition Scanners have the smallest wand on the market. Easy to use – more patient comfort!



#### ▶ Improved accuracy

By using scanning spray, the pattern on the tooth is fixed, providing more consistently-accurate\* detail than other leading intraoral scanners. This technology is similar to that used by Hollywood in "motion capture" movie effects.



#### ▶ More affordable

True Definition Scanners use a number of "off-the-shelf" components found in today's most advanced consumer electronics, such as cameras and mobile devices. Because these components are mass-produced, we can keep the cost of True Definition Scanners among the lowest of any digital impressing system on the market!



## The path is clear!

With the new 3M Mobile True Definition Scanner, you get:

- ▶ Improved accuracy
- ▶ Easy scanning
- ▶ Greater affordability

...compared to scanners employing conventional laser scanning technology.

\*See accuracy studies at [www.3M.com/TrueDef](http://www.3M.com/TrueDef)

Contact your 3M representative for a demonstration today! [3M.com/TrueDef](http://3M.com/TrueDef)