

TWO PATHS TO A DIGITAL IMPRESSION

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

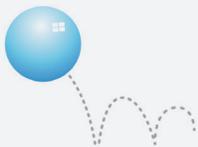


- 01 Laser scanning wands must be relatively large, to accommodate the necessary electronics and optics



Outlines show profiles of major competitors' wands

- 02 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 Midmark 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 Midmark True Definition Scanners have the smallest wand on the market. Easy to use – more caregiver and 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 Midmark Mobile True Definition Scanner, you get:

- Improved accuracy
- Easy scanning
- Greater affordability ...compared to scanners employing conventional laser scanning technology.

*See Accuracy Studies on midmark.com/TrueDef