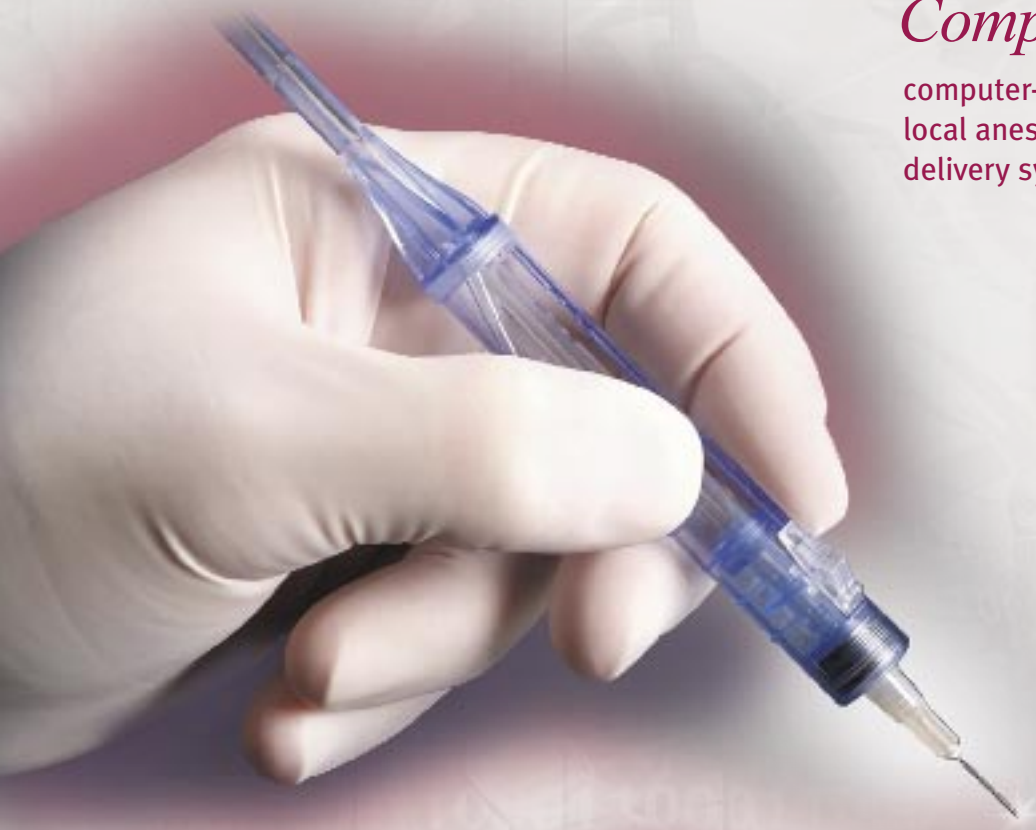
Now with... TurboFlo®

Injections are now easier *and safer* to give.



CompuDent®

computer-controlled
local anesthetic
delivery system

featuring the new

SafetyWand®

the revolutionary,
safety-engineered
handpiece

MILESTONE SCIENTIFIC

The World Leader in Advanced Injection Technology

CompuDent® Easier.

All procedures made easy.

With the CompuDent system, all injections, even palatals, become more comfortable, predictable, and controllable. You can easily perform these injections:

- anterior middle superior alveolar block (AMSA)
- palatal anterior superior alveolar block(P-ASA)
- periodontal ligament injection (PDL)
- inferior alveolar block
- supraperiosteal infiltration
- nasal pallatine

Easier to handle

With the microprocessor-controlled CompuDent delivery system and one of the unique Wand® handpieces, giving local anesthetic injections of all types has never been easier. Because the flow rate of the anesthetic is controlled by a microprocessor instead of the pressure of your thumb, it is more precise. The system can make giving an injection one of the easiest tasks in your busy day.

Easier on your hands

The CompuDent system is ergonomically designed to reduce muscle fatigue compared with a traditional syringe.[1] This is because the force required to deliver anesthetic solution into tissue is virtually eliminated, even into the tissue of the palate. Less fatigue lets you be more productive and feel better at the end of the day.

Easier on your patients, so they're easier on you

Many patients believe that needle insertion is what causes discomfort during an injection, when in fact most of the pain is caused by the flow of the anesthetic. The CompuDent has three specific flow rate including *ControlFlo* and *RapidFlo*, that result in an injection experience that has proven to be far more comfortable than with a traditional syringe. And now, certain injections can be delivered more accurately and comfortably in the same time it takes with a traditional syringe, with new *TurboFlo*. This makes the dental experience more positive for the patient, which is less stressful for you and your staff. And providing gentler dentistry can help give your practice a competitive edge.

1. Murphy, DC, ed. Ergonomics and the Dental Care Worker, p. 181. Washington DC: American Public Health Association; 1998.
2. Hochman M., DDS; Chiarello D., DDS; Hochman C., DDS; Lopatkin R., DDS; Pergola S., DDS. Computerized Local Anesthetic Delivery vs. Traditional Syringe Technique. New York State Dental Journal, August/September 1997
3. www.osha.gov/SLTC/bloodborne pathogens/index.html
4. Hochman M, Friedman M. In vitro study of needle deflection: A linear insertion technique versus a bi-directional rotation insertion technique. Quintessence Int 2000;31(1):33-39.
5. Safer Needle Devices: Protecting Healthcare Workers, Occupational Safety and Health Administration, Directorate of Technical Support, Office of Occupational Health Nursing, October 1997
6. ADA News, October 6th, 2003. volume 34. Number 18.

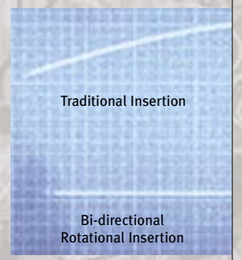
You may never miss another block injection

As the needle is inserted, anesthetic is delivered in a constant computer-controlled manner regardless of tissue density.

CompuDent's precise flow rate develops an anesthetic pathway, allowing a more controlled penetration of the needle through tissue.

With a traditional syringe, the static position of the needle relative to the beveled end causes deflection. A missed block or delayed onset can result.

The back and forth 180° bi-directional rotation continually changes the needle bevel position thereby defeating needle deflection, allowing the needle to track straight to the target.



SafetyWand™ Safer.

SafetyWand is the revolutionary answer to the federal legislation requiring safety engineered devices for dentists. The unique auto-retracting design shields the needle while you're not using it.

SafetyWand is safer and lighter than a traditional syringe and is operated with one hand, which is required under the Federal Needlestick Safety Act[3].

Safer for you, your staff ... and your practice

Think of the palm-thumb grasp and pressing movement required to inject with a traditional syringe. Then picture the precise movements you can make when holding a pen – to write, to draw. No wonder the SafetyWand enables such accuracy. The pen-like grasp allows bi-directional rotation during an injection, which prevents needle deflection that occurs with a traditional syringe.[4] A straighter path results in a more accurate injection, meaning fewer missed blocks, and a more rapid onset of anesthesia.

Better safe than sorry

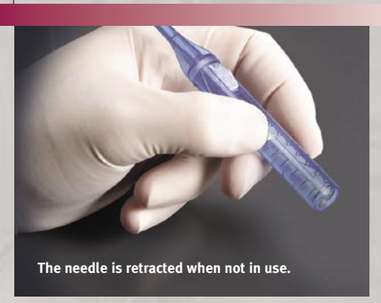
The SafetyWand was developed to address requirements of the Federal Needlestick Safety Act, mandating the use of a safety engineered sharps device to eliminate inadvertent needle sticks. The Act was adopted after it was found that U.S. healthcare workers suffer from an estimated 800,000[5] needle-stick injuries each year, some of which resulted in cases of HIV, Hepatitis B, Hepatitis C and other illnesses.

The SafetyWand is the first patented safety engineered device that is fully compliant with more than 30 parameters published by OSHA while also meeting the clinical needs of dental practitioners. It provides the practitioner with a safer, retractable needle device, with single hand activation, which is reusable multiple times during a single patient visit, yet small and sleek enough not to obscure the dentist's often limited field of view.

Why should I comply?

– excerpted from the ADA News, October 6th, 2003. volume 34. Number 18.

"CDC guidelines do not, by themselves, have the force of law. However, many states do incorporate CDC recommendations by reference into state law. Other states look to CDC guidelines in interpreting state law. Accordingly, in some states, compliance with the CDC guidelines is, at least as a practical matter, mandatory. Even in states with no explicit or implicit requirement to comply with CDC guidance, dentists should seriously review the new guidelines. In any malpractice lawsuit, the CDC guidelines will likely be looked at as a source for a standard of care the dentist is expected to meet. Further, to the extent the guidelines protect against occupational hazards, as opposed to hazards to the patients, OSHA may review these guidelines as a basis for asserting a claim that a dentist is not meeting his or her "general duty" to provide a workplace free from recognized hazards.[6]"



The needle is retracted when not in use.

CompuDent® It's just easier.

In addition to the SafetyWand, the CompuDent System may be used with the Wand handpiece, or the Wand handpiece with Needle.

The Core Technology.

The core technology is the precision fluid metering of the flow rate, limiting the pressure, and the precise needle control made possible by the ergonomically-designed handpiece.

ADA ACCEPTED American Dental Association

OSAP dentistry's resource for Infection Control & Safety

The CompuDent, the Wand and the Wand II have been accepted as devices that have been shown to safely and effectively deliver anesthetic solution when used by an appropriately qualified professional. Council on Scientific Affairs, American Dental Association

Safety Feature Evaluation Safety Dental Syringes[7]	Safety Wand	Traditional Syringe
• The safety feature can be activated using a one-handed technique	Yes	No
• Use of this product requires you to use the safety feature	Yes	No
• The safety feature works well with a wide variety of hand sizes	Yes	No
• The exposed sharp is permanently blunted or covered after use and prior to disposal	Yes	No
• The device provides a better alternative to traditional recapping.	Yes	No

7. Fisher, June, M.D. Training for Development of Innovative Control Technology Project. August, 1998

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