





The Straumann® VeloDrill™ System shortens oral surgery chair time, minimizes heat generation and delivers high drilling stability. Suitable for all surgical protocols, the system lowers setup cost by maximizing synergy between instrumentation for freehand and guided surgery.





FLEXIBLE

Shared instrumentation for freehand and guided surgery.



FAST

Shorter chair-time with a simplified drilling protocol.



LOW TEMPERATURE DRILLING

Avoids overheating surrounding structures.

High performance delivered.



Customized setup

Used with the Straumann® Modular Cassette, a VeloDrill™ freehand setup could easily be upgraded into a guided surgery setup.

Single use drill stops and self-locking drill handles allow dentists to have precise depth control and free up one hand during drilling.



Compatible with single use drill stop that provides precise depth control.







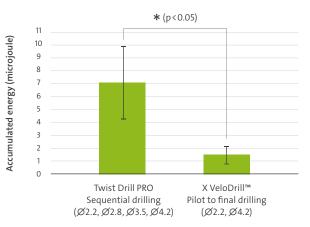
Low temperature drilling.

Studies show that thermal damage adversely impacts bone healing.^{1–4}

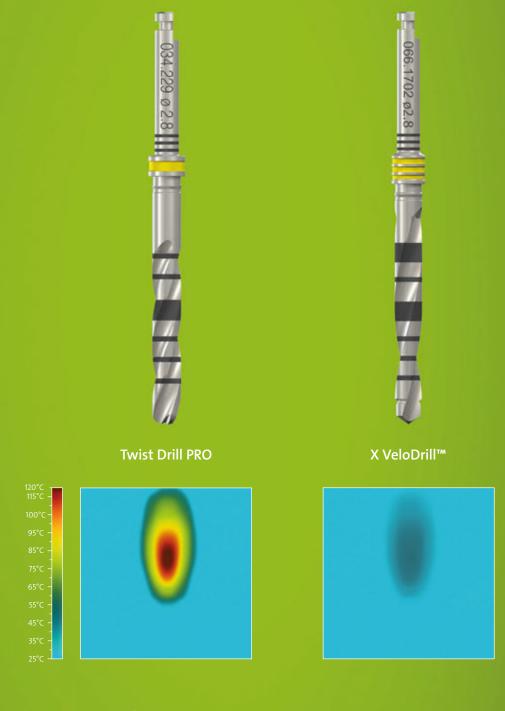
The VeloDrill™ System is designed to minimize heat generation.⁵ This is facilitated by the new cutting geometry design and surface treatment that limits friction and facilitates debris extraction.

When used for guided surgery, the low-temperature drilling allows VeloDrill™ to be used for a pilot-to-final drill protocol, without generating more heat compared to the traditional sequential drilling protocol.⁵

Accumulated energy measured above room temperature (25°C) accross the drilling protocol in PUR plate (pcf 50) simulating hard bone



Avoid overheating surrounding structures.



Ø 2.8 mm drill, direct drilling in PUR (pcf 50) plate simulating hard bone measured with infrared camera.⁵

Straumann® VeloDrill™ System Speed. Flexible. Simply cool.

- Shorter chair time and simplified drilling protocol
- Shared instrumentation for freehand and guided surgery
- Avoid overheating surrounding structures

REFERENCES

1985 May;(195):311-2. **3** Eriksson RA, Albrektsson T. The effect of heat on bone regeneration: an experimental study in the rabbit using the bone growth chamber. J Oral Maxillofac Surg. 1984 Nov;42(11):705-11. **4** Mishra SK, Chowdhary R. Heat generated by dental implant drills during osteotomy-a review: heat generated by dental



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