

The World's First Handpiece Upgrade

Improve the Performance of Your Handpiece

A breakthrough in handpiece performance available through Patterson Dental, ProDrive Systems enhances the quality and performance of your practice.

Designed as a performance upgrade for your existing handpiece, the ProDrive System is the world's first turbine and bur locking system proven to improve the performance in KaVo, Star and Midwest high-speed handpieces. The ProDrive System is a fully compatible turbine allowing you to "upgrade" your handpiece of choice for superior performance.

Technology Editor of Dental Products Report (DPR), Dr. John Flucke, cannot imagine practicing without the ProDrive System. A forward-thinker who is committed to patient care, Dr. Flucke recounts his first experience with ProDrive. "The first time I used ProDrive I was amazed at the higher performance over the manufacturer original (non-upgraded) handpiece. It was completely different. Hands-down ProDrive is much, much better."

Round Bur Shank has Evolved

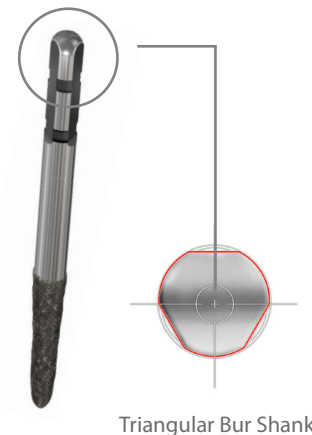
The ProDrive System's patented, triangular bur shank enables the turbine to lock the bur into place resulting in greater bur retention, providing superior torque transfer, smoother handpiece operation, and improved overall control. According to Dr. Flucke, the interesting part about the ProDrive System is that in a "round-on-round world [friction grip] you could simply slide the bur in the handpiece any way it would go, but in a ProDrive world it is so outstanding that you can actually pull on the bur and you can't get it out, unlike friction grip you could pull the bur out."

Over 550 Premium Bur Models

The ProDrive System offers a full selection of diamond and carbide burs manufactured in Germany by Meisinger. Double grooves enable safe bur-lengthening for improved precision in difficult to reach areas. The locking mechanism ensures bur retention and high performance in both positions.

Comparing Apples to Apples

Dentists across North America participated in clinical field trials, comparing their original handpiece against the exact same handpiece upgraded with the ProDrive System. Setting up a clinical test, Dr. Flucke performed half a lingual reduction with the manufacturer original handpiece and half the lingual reduction with ProDrive. Same with the occlusal reduction, half with the original handpiece, half with ProDrive. Dr. Flucke reports "better finishing of margins and less bur chatter because the ProDrive triangular bur cuts more efficiently and spins more concentrically."



Triangular Bur Shank

There is an obvious and powerful consensus among all dentists testing ProDrive that there were near-perfect performance results. The consensus among the panel of dentists was a marked overall improvement of handpiece performance as well as true and measurable practice benefits. 100% of participants agreed that ProDrive helped to reduce preparation time, while providing a noticeable improvement in cut quality and superior margin integrity.

A number of dentists kept their upgraded ProDrive handpiece and continue to use it in their daily practice. Dr. Flucke, starting out as a skeptic, was so convinced two weeks into the clinical testing that he upgraded all ten of his handpieces to the ProDrive System.

"ProDrive will change the way you practice dentistry. It's just that profound."

– Dr. John C. Flucke

Faster Cutting

Engineering tests prove that the superior grip of the ProDrive System drastically improves cut speed versus original manufacturer handpieces. The increased cutting speed and a smoother cut means less strain on both Dr. Flucke and his patients. The superior cutting speed and improved cut accuracy made possible by the ProDrive technology also allows Dr. Flucke to significantly reduce prep time.

"It is really important", remarks Dr. Flucke, "from the patient standpoint to shorten the amount of time they actually have a handpiece in the mouth. The real benefit is for my patients, because it means less chair time for them. No matter how much they like you; no patient will ever say they would like an appointment to last longer. The faster the patient is in and out, the happier they are."

One of the key benefits for Dr. Flucke is the efficiency of the cut. "What is really great is that I have discovered over time that I have reduced the amount of time that I am doing my crown preps. And a big benefit is I have less hand fatigue. I am more efficient as a dentist, but it's a huge benefit for the patient because they get in and out of the dental office faster."

An added bonus for Dr. Flucke is that it also gives him more time to devote to other passions in life, such as writing, teaching and researching new technology.

Superior Control & Improved Precision

ProDrive provides noticeably smoother cutting with reduced vibration and chatter during cutting for all procedures. Dentists can now experience superior margin integrity and cut definition. For Dr. Flucke, this translates to less post-operative sensitivity for the patient, "and greatly reduces the chances they'll need endodontic treatment in the future."

"Cutting off a porcelain fused to metal crown with a non-precious core can often be an adventure", remarks Dr. Flucke, "which usually results in a lot of chatter and vibration. This is not the case with the ProDrive System. Any dentist that picks up ProDrive will immediately see the difference."

Key Benefits of the ProDrive System

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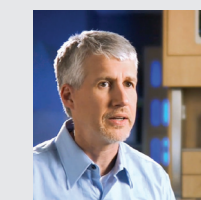
Improved Precision – Experience superior margin integrity and cut definition.

Durable High Performance – Reliable and consistent high performance throughout the life of your turbine.

Improve the Handpiece, Improve Dentistry

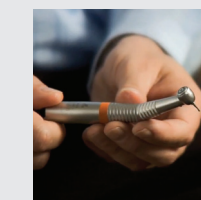
ProDrive is revolutionizing the dental industry by improving the dentist's most important instrument, the handpiece. According to Dr. Flucke, "[ProDrive] is hands down the best air driven rotor system on the market and anybody that spends time with the product will become a disciple immediately." Dr. Flucke can now say without any doubt that "ProDrive makes a significant and noticeable difference in handpiece performance."

The bottom line for Dr. Flucke is that he loves to improve his patient's smiles through the use of innovative products. He believes ProDrive is a game changing technology that will help him be a better dentist.



Dr. John C. Flucke, DDS
Technology Editor, Editor of Dental Products Report, Dental Technology Blog

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Dr. Flucke is a general dentist specializing in high tech and cosmetic dentistry with a private practice in Lee's Summit, Missouri. Dr. Flucke is avidly involved in technology for dentistry, particularly with computers and the internet.

Practicing dentistry for twenty-two years, Dr. Flucke has written countless articles on dental technology, participated in clinical testing for dental manufacturers and lectured at major dental meetings across North America, including the ADA Annual Session, Greater New York Dental Meeting, The Thomas P. Hinman Dental Meeting, The Yankee Dental Congress, and the Chicago MidWinter Meeting.

