Dental Handpieces

KINETIC INSTRUMENTS inc.
VALUE ... that's something we hear so often that it has essentially lost its meaning. But that is exactly what KINETIC INSTRUMENTS is all about. Early in 1977, we were founded based upon the principle of providing high quality dental equipment at value oriented prices.

At first, we weren’t a handpiece company. Our main direction was the design, production and perfection of high output light source systems for everyone else’s handpieces. At that time, all high speeds were of the popular 5-hole design. Soon thereafter, we introduced the VIPER line of quick connect swivel high speeds, then low speeds and, well, the rest is simply “so-what” history.

What we did instill in our product offering, which deliberately survives today, is a pricing structure to quality ratio that is unequalled in the industry. That almost sounds like we are implying that this attitude takes a summa cum laude M.B.A. from Harvard to accomplish. Actually, it is absurdly simple. We just price our products at a fair level instead of a “how-much-can-we-get” number.

The other half of the price/quality issue is, of course, the quality. So many manufacturers offer lesser products for less and better products for whatever the market will bear. To solve this parade of illusion, we again decided to choose the simple path ... how about the BEST product at a reasonable price! Like we said, don’t need an accounting degree for this stuff. Anyway, with this intent and dedication as our commitment to you, our message is, again, rather simple ...

YOU CAN’T BUY A BETTER HANDPIECE ...
YOU CAN ONLY PAY MORE!
**High Speed Handpieces**
VIPER 360, VIPER MINI, VIPER HI-TORQ, VIPER 5H and QUANTUM. We don’t know of any reason you would need more choices. There is just so much that you can do with a high speed and that’s it. If you can think of anything else, please let us know.

**Low Speed and Sonic Handpieces**
VIPER 101, VIPER 301, VIPER HYGIENE, ET, and VIPER SONIC. New wave conservative dentistry is not just on the horizon ... it’s here. And we have the handpieces to make it happen. Attend a lecture, buy a VIPER and please your patients.

**Other Brand Handpieces**
What? No, that wasn’t a misprint. Even if you decide to use another brand handpiece, remember that a good portion of our business is in the light source and connectivity area. So, we would be pleased to direct you to the proper source for connection options for whichever brand handpiece you purchase.

**Photon Light Source Systems**
Years ago it was much simpler ... buy handpieces, connect tubings and light ‘em up. Now, just about every delivery unit has its own matching color tubing and unique handpiece holder design. PHOTON light source systems are manufactured in every conceivable style and color combination to match and be compatible with any delivery unit.

**Customer Service**
We don’t have an automated telephone answering system. No, we’re not technologically challenged. We still use people. Customer service and sales personnel who staff the major conventions, gather current information, and competently present you with knowledgeable answers to your inquiries and decisive solutions to your problems.
VIPER
Viper 360 F/O High Speed

The high speed handpiece... it’s as much a part of being a dentist as the diploma on your wall. VIPER 360 provides you with all the features you need every day to enhance your practice and ease your work.

- Low noise for doctor and patient comfort.
- Super fine water mist enhances visibility.
- 360 swivel eliminates tubing torque.
- Push button bur changing saves time.
- Wide-view fiberoptic maximizes lighting.
- Unique chuck eliminates bur walking.
- Perfect balance ratio reduces hand fatigue.

Most people think you get what you pay for... so a handpiece with all these features must be expensive. Think again. If you compare VIPER 360 to the competition, the only thing outstanding is the name. Are you willing to pay hundreds of dollars more for a name? VIPER 360... all you need for less.
If you liked the features of VIPER 360 but want to step up to the ultimate in high speed technology, look no further ... QUANTUM is the answer. You get everything incorporated in VIPER 360 PLUS:

- Triple water ports prevent obstructed cooling.
- All stainless steel body resists degradation.
- Turbo-Guard spins away contamination.
- Cartridge style turbine for chair-side changing.
- Replaceable fiber-optics for maximum lighting.

So why would you want to use QUANTUM? Because, as a dentist, you know that you deserve the best possible equipment in order to provide the highest quality healthcare. There basically isn't any more that can be done to a high speed to improve upon QUANTUM. This handpiece stands up strong to today's rigorous sterilization environment and will look like new for years to come.
We sarcastically refer to the VIPER MINI as the handpiece that is “… just not necessary”. That’s because we hear that response frequently when we talk with our customers. But when we point out that “essentials” like golf carts, escalators, or $120 Nike running shoes probably fall into the same “not necessary” category, practitioners become intrigued. What we’re saying is that VIPER MINI is the handpiece you don’t need … until you absolutely do!

Just remember the last time you had that pedo case, or the 2nd or 3rd molar prep where you only had a little over 11 or 12 millimeters of space to work. Sure, you can struggle without a mini-head, but WHY? All the features of VIPER 380 in a miniature head design. VIPER MINI will give you the same comfortable feeling just sitting in your drawer as a big retirement fund in your bank.

**Small 8.6mm Head**

actual size … compare yours!

**Twin Fiber Optics**

**True Friction Chuck**
Let's be real ... every dentist wants to do crown and bridge. Sure, operative work is fine, it helps a lot of patients and, of course, pays the bills. But the real dental technology ... the leading edge stuff of our profession ... is crown and bridge. Master this specialty and you've mastered dentistry at its finest.

However, this field requires a lot of cutting. Bulk reduction in enamel, dentin, amalgam, gold, porcelain ... you name it. And you need to do it quickly, certainly within the 20 or so minutes of profound anesthesia. A medium head high speed? Sure, but it takes a lot longer. And by the end of the day, you will work more and get less done.

Instead, why not eat up those old crowns and reduce tooth structure in two thirds the time with a VIPER Hi-TORQ? All the features of VIPER 360 in a large head design.
So, here we have it, the last but not least of our family of high speed handpieces ... VIPER 5H. The most outstanding feature of this handpiece is that it incorporates all the performance characteristics of other VIPER handpieces. Just because this model is the least expensive does not mean that we devilishly diminished the torque, or sadistically increased the noise. We simply replaced the swivel quick connect with a standard ISO-B 5H handpiece connection.

So, for those of you that do not mind unscrewing the tubing to perform maintenance and sterilization, VIPER 5H is a more economical way to go. Don’t worry though, we know that you still must use 2 to 3 burs during any procedure, therefore the push button chuck is standard. VIPER 5H ... same torque, low noise, and dependability as VIPER 360 in a convenient 5H connection.
The ET, as its name implies, utilizes the world wide ISO standard “E-type” connection so that it is compatible with scads of components. It seems as if several times a year, at least, someone is inventing a neat new procedure device that pops onto the E-style motor. Have you checked out Profin™ lateral filing to zap overhang, or Pathfinder™ reciprocating/axial endo attachment? This slick head has more moves than John Travolta. And, of course, you will definitely want to use the increasingly popular NiTi rotary endo instruments.

That’s just contra-angle stuff. The straight attachment lets you do the day-to-day necessities … adjust a few restorations, trim a temp or two … anything that uses the standard lab mandrel. Oh, we don’t want to forget disposable prophy heads which is probably the single most popular use for the straight handpiece.

The ET’s are not exactly the most inexpensive handpieces of their kind … nor are they anywhere near the most expensive either, they just look and perform as good. We simply don’t have the “name” to charge twice as much.
101

Viper 101 F/O Low Speed

Used to be all you needed was a high speed handpiece and a G.V. Black manual to do operative dentistry. And, we suppose, some practitioners still choose to work that way. But there is a whole new school of operative procedures that is teaching us much more conservative approaches.

Armed with a myriad of bonded materials, we can now perform less invasive restorations without concern for mechanically retentive shapes and undercuts. However, these new procedures also require a less invasive tact than the hog-it-out approach so common when all we had to work with was amalgam.

VIPER 101, with a speed of 25,000 rpm, fiber optics, water spray, and fitted with the pop-on friction grip head, mimics a high speed except with substantially more control. So when you’re removing that last bit of caries, you can actually feel what you’re doing.

Twin Fiber Optics

Water Spray

Forward & Reverse
VIPER 301, with all the same features and operative intent as that of VIPER 101, is a lower speed version. The 6500 rpm capability effectively provides a handpiece with much more torque and greater tactile feel.

When you’re doing endodontic access and need to unroof a diminished depth pulp chamber, this fiber optic handpiece could save you a serious amount of sweat over a high speed access. Of course, not to mention the unmentionable … perforation. And, if you already use a low speed for this purpose, you know how bothersome a bleeder can be. VIPER 301’s water spray washes away blood and debris so you can finally see those canals.

More conservative and less invasive dentistry … that’s the mission of the VIPER 101 and VIPER 301 low speed handpieces. VIPER 301 for those practitioners who are more cautious and comfortable at an even lower speed.
SONIC
Viper Sonic Endo/Scaler

We’re not going to try and convince you that the VIPER SONIC is equal to an ultrasonic scaler. It’s not. Common sense would probably tell you that much. A good part of the reason is that it was not designed to take the place of an ultrasonic … you need that for day-in and day-out hygiene procedures.

But what happens when you are doing class 2’s or crown and bridge and you bump into some hidden calculus? Do you reach for a hand scaler or fumble around getting the ultrasonic into your operatory. If you had a VIPER SONIC nearby, you could simply quick connect it on and whisk away the speed bump.

Or, perhaps you yourself are doing some quadrant scalings and find the ultrasonic too aggressive, or in another room, again. What about occasional hygiene in an operatory that does not have an ultrasonic. Whatever, VIPER SONIC is simply a more gentle apprentice to the ultrasonic.

8500 cps Generator

Seven Different Tips

Endo Attachment
Hygienists see more patients each day than anyone else in the office except your receptionist. And they do the same type of work time after time. So it’s certainly not too surprising that any hygienist would appreciate a VIPER 901 prophylaxis handpiece that doesn’t feel like a miniature baseball bat in their hand. And they probably need a swivel to reduce fatigue from holding more than you do. We’re all pretty tired of the ergonomic trend, but this repetitive stress disorder can be quite real.

Do you use disposable prophylaxis angles? If so, have you asked yourself lately... why? Old knee jerk reaction to patient perceived compromises in infection control? You don’t throw away your high speed after every procedure. You could be spending $1000 per year over autoclavable heads, which are just as safe and, of course, run a whole lot better. With the savings, you could buy more handpieces ... but since that won’t be necessary, why not go on another vacation.

Swivel Quick Connect

Pop-on Latch Head

High Torque Gear Drive

KINETIC INSTRUMENTS INC.
If you’ve read most of this brochure, you have probably figured out by now that we are somewhat specialized in fiber-optic handpieces ... and for very good reason. With several patents in the early 1980’s we essentially pioneered this area into what it is today. The result of this wealth of experience is our mainstay PHOTON light source system.

Placing a high brilliance, Krypton-Halogen lamp directly behind the handpiece is only part of the story. The PHOTON system has been designed to integrate into the handpiece products and provide you, the dentist, with a complete comprehensive compliment of devices to perform all your procedures in the most effective, efficient and expedient manner possible.

That sounds a lot like an eloquent mouthful of passive propaganda, but the bottom line is this system works ... clinically. A single quick connect coupling that can accommodate several high speeds, an operative low speed, hygiene prophy, endodontics, scaling, post placement, sonic amalgam packing, diagnostic transillumination ... well, you get the idea.

- Small size, 4"x 2.4"x 0.8" installs into any unit.
- Up to three independent voltage regulated circuits.
- Unique “cut-and-plug” external installation.
- Aesthetic “factory-like” internal installation.
- 10 second “off” delay for procedure inspection.
- High brilliance Krypton-Halogen lamp module.
- Available in all styles and color combinations.

PHOTON handpiece light source systems and connections ... a trusted name in the industry since 1977.