

# KaVo

## Cellular Optic High-Speed Handpieces

GENTLEforce LUX 3 6000B • Super-Torque LUX 3 647B • Mira LUX 3 635B

Small head. Most power available.

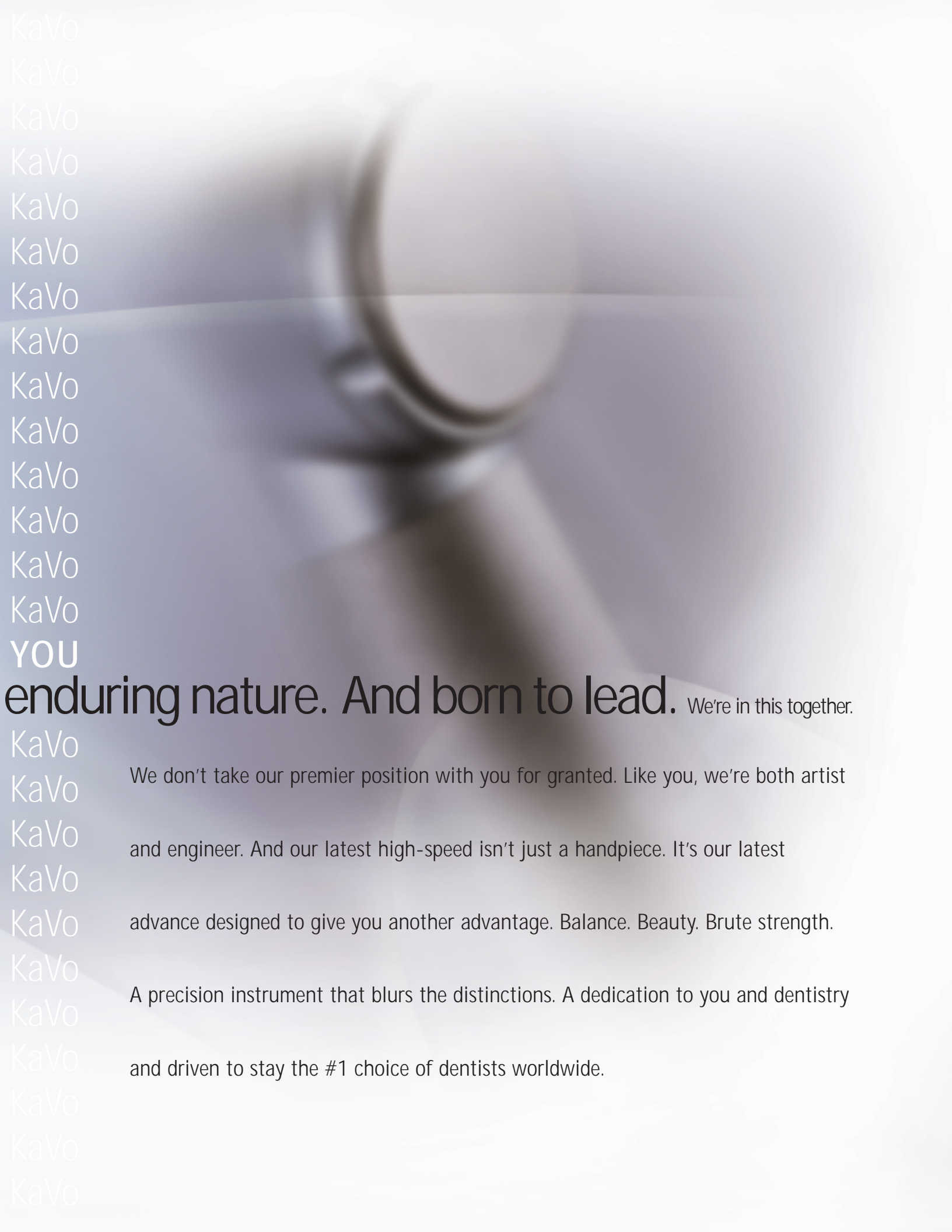
There's nothing else like it.



KaVo. Dental Excellence.



An object of desire. A triumph of design. An



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YOU

# enduring nature. And born to lead. We're in this together.

We don't take our premier position with you for granted. Like you, we're both artist and engineer. And our latest high-speed isn't just a handpiece. It's our latest advance designed to give you another advantage. Balance. Beauty. Brute strength. A precision instrument that blurs the distinctions. A dedication to you and dentistry and driven to stay the #1 choice of dentists worldwide.



#### GENTLEforce LUX 6000B

- Most powerful high-speed handpiece ever
- Small head with multiple spray ports – better access
- New angles – more freedom of movement
- Quietest KaVo high-speed handpiece ever
- 4-port spray for better visibility and cooling
- New hygienic grip – improved tactile feedback
- 3rd generation cellular optic glass rod – 5-year warranty
- Proprietary replaceable microfilter – better spray quality
- Unique automatic drive air adjustment – longer turbine life
- Non-return system prevents debris from entering the turbine
- Sterilizable up to 135°C
- 18-month warranty including turbine\*

\*If maintained with KaVo QUATTROcare (standard warranty 12 months)

*Switch to KaVo – KaVo handpieces easily attach to virtually every existing tubing and light source system with a MULTIflex coupler.*





# DESIRE

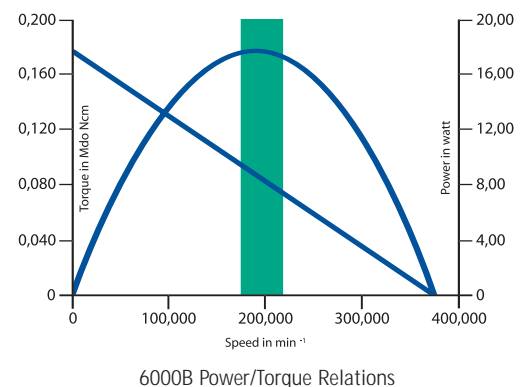
You know you really want KaVo.

In study after study\*, when dentists are asked what they look for most in a high-speed handpiece, they list:

- Perfect concentricity
- Powerful torque
- Durability even after repeated sterilization

KaVo high-speed handpieces bring dentists' most-requested features to the table, and even more. The KaVo reputation rests on a long history of engineering excellence and an understanding of what dentists demand. So, it's no wonder that when dentists are asked, "If you could own any handpiece, which would you choose?" More dentists choose KaVo than any other brand.

And, now there's more reason than ever to go with the leader. Our newly designed GENTleforce LUX 6000B blows away the competition with its easy-access design, smaller head and absolutely the highest torque of *any* multiple spray port high-speed handpiece available today.



# POWER

## Exceed your highest expectations

KaVo is the most desired handpiece for good reason. Each and every handpiece undergoes exhaustive quality control checks and testing before it leaves the factory. KaVo's stringent specifications and a zero tolerance for defects guarantee optimum performance with a minimum of maintenance.

Choose the newly designed 6000B or one of our standard high-speeds.

# TORQUE

KaVo GENTLEforce 6000B - New

Small head  
Ultimate torque  
4-port spray  
For gross reduction and prep, pedo  
and difficult-to-access areas

KaVo Super-torque 647B

Standard head  
Very high torque  
3-port spray  
For gross reduction and prep

KaVo Mira LUX 3 635B

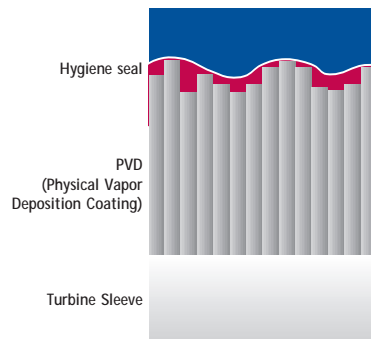
Miniature head  
Highest torque in a miniature head  
1-port spray  
For pedo and difficult to access areas



**Nominated for REALITY  
Product of the Year  
for 2004**



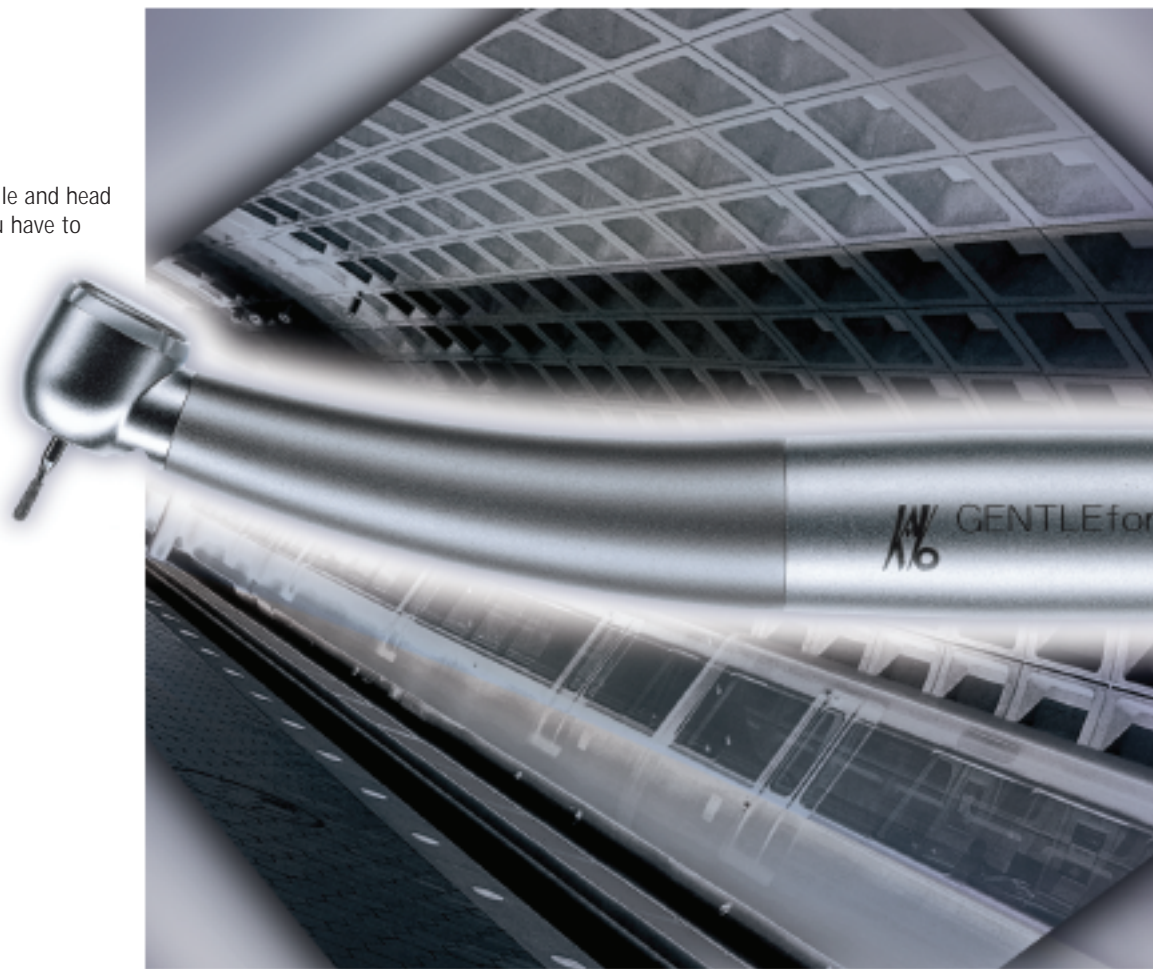
\* Independent blind survey of randomly selected dentists in the United States.



## Clean feeling of luxury

**Unique surface technology:** The new 6000B features a unique Plasmatec surface that actually works with the innate gripping power of the glove for slip-free, comfortable control. And since there are no grooves or edges to harbor debris, the 6000B provides superior hygiene.

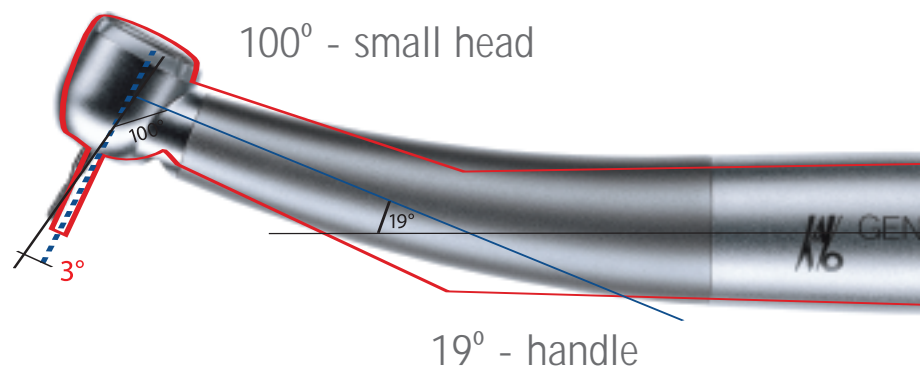
The new angle combination between handle and head increases freedom of movement by 3°. You have to experience it to feel the difference.



# ACCESS

QUIET

COMFORT



New Design—smaller head, new angles and better access

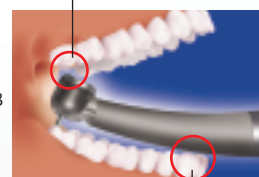
Durability, consistent feel and precision balance are KaVo hallmarks. The new 6000B pushes our tradition of function and design into the 21st century.

Precise preparations are a result of your skills, concentric turbine operation, instrument angulation and head size. The ingenious KaVo GENTLEforce 6000B creates a new feeling of more space in the oral cavity when you put our new design to work.

## Freedom of Movement

- New handpiece angles for improved anterior and posterior access
- Smaller head for better vision and precision
- You work closer to the preparation
- Greater mobility even where space is limited
- Faster and easier preparations
- Gentler treatment

KaVo GENTLEforce LUX 6000B



The smaller head allows you better access to the posterior region.

New head and handle angles facilitate overall access and maneuverability.

## Exceptional Comfort and Convenience

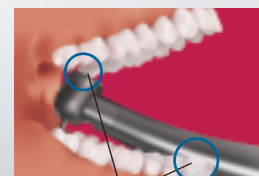
- Quietest KaVo high-speed ever
- Improved grip for greater tactile feedback
- Perfect balance
- Less stress and fatigue for you

## All KaVo High-Speed Handpieces Feature:

Precise. Powerful. Performance.

- Optimum balance between speed and torque for faster, more consistent cutting
- Highest concentricity for smooth preparations and better defined margins
- Proprietary automatic pressure regulator ensures optimum performance and maximum turbine durability
- Durable push-button auto chuck saves time and requires minimum maintenance
- Fine spray mist for better visibility

Conventional high-speed

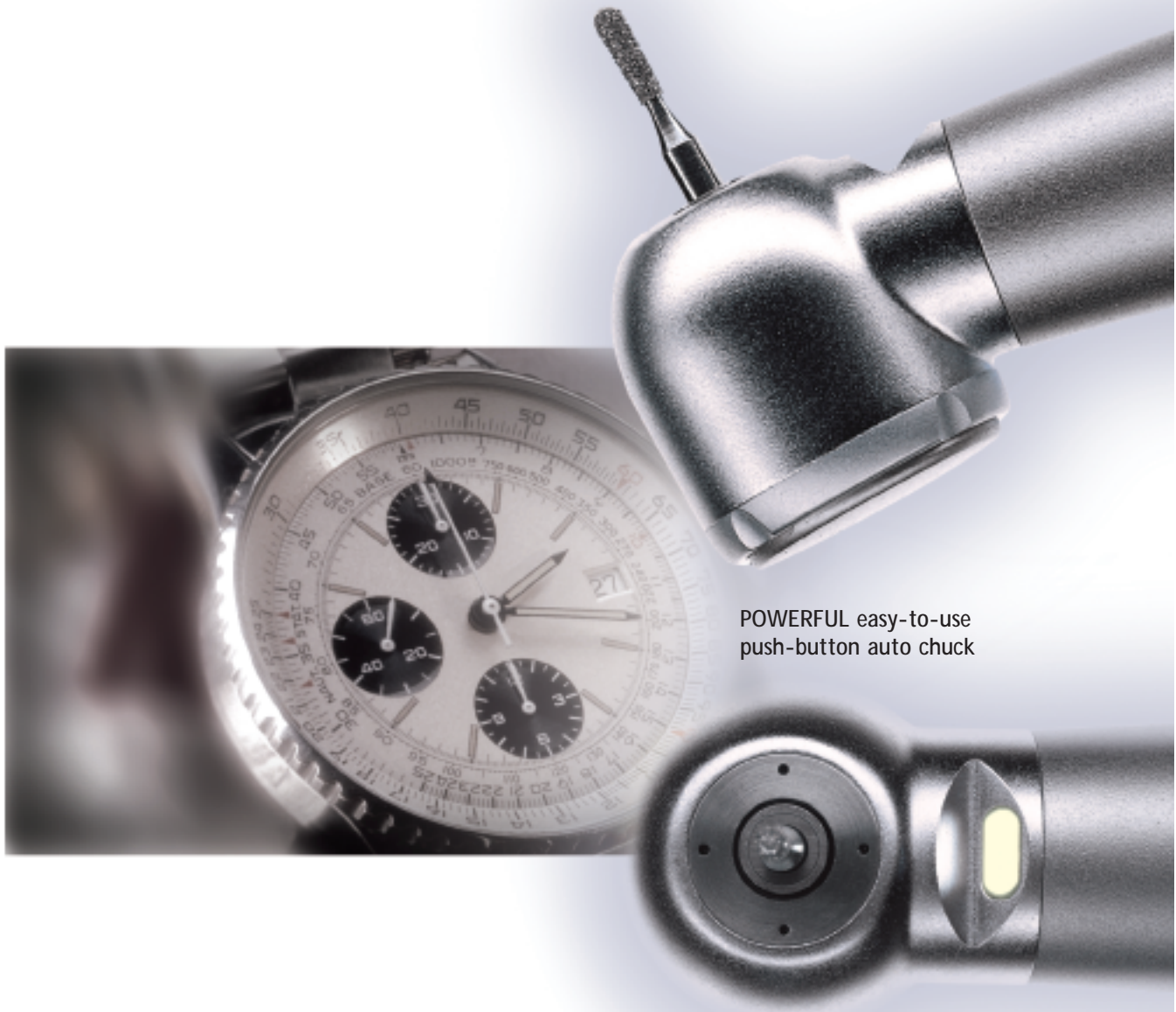


Dentition tends to impede the freedom of movement of standard handpieces.

## Unmatched Flexibility

- MULTIflex Coupler for single, secure snap-on, quick connect for air, water and light
- 360° rotation due to the MULTIflex Coupler
- Absolute flexibility for diverse clinical applications with MULTIflex:
  - Air abrasion
  - Air polishing
  - Crown and Bridge removal
  - Air scaling
  - Light probe





POWERFUL easy-to-use  
push-button auto chuck

## FOUR-PORT COOLING

Multiple spray ports are an important feature:

- Provide faster cutting <sup>1</sup>
- Keep tooth structure cooled even in deep distal preparations
- Extend bur life
- Better patient comfort

**Outstanding Visibility**  
KaVo's 3rd generation cellular optic glass rods  
are 25% **brighter** than conventional optics,  
and are backed by a 5-year warranty.



<sup>1</sup> SIEGEL, S., Von Fraunhofer, A.  
The Effect of handpiece spray patterns  
on cutting efficiency.  
JADA (Vol. 133, 02/02) p.184f.



# DURABLE

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## KaVo High-Speed Handpieces



Specifications	New KaVo GENTLEforce LUX 6000B	KaVo Super-Torque LUX 3 647B	KaVo Mira LUX 3 635B
	Ultra Torque Power	Exceptional Power	Very High Power
Order No.	#1000.3903	#0553.2090	#0553.2220
Application	Ideal for gross reduction and crown and bridge work, also suitable for pedo and difficult to access areas.	Ideal for gross reduction and crown and bridge work.	For pedo work and difficult to access areas
Spray	4-port	3-port	1-port
Head	Small	Standard	Miniature
Connection	Quick disconnect with MULTiflex LUX coupler		
Power Output	The highest torque ever in a KaVo high-speed. Note: head is smaller than on 649, 647 and 640 18 watts	Increased power over previous 640B 15 watts	Excellent power 13 watts
Chuck System	Powerful, easy to use push-button auto chuck		
Optics	Third generation LUX cellular optic glass rod		
Recommended Air Pressure	40psi/2.8 bar - minimum	36psi/2.5 bar - minimum	32psi/2.1 bar - minimum
	A unique pressure regulator ensures consistent cutting power and enhanced durability of the turbine		
Awards	 <b>Nominated for REALITY Product of the Year for 2004</b>	 <b>Nominated for REALITY Product of the Year for 2004</b>	 <b>Nominated for REALITY Product of the Year for 2004</b>
			
			

## KaVo Light sources and tubing



### LS2 illuminator #0905.8500

- Compact remote fiber optic light source
- Hanger or foot pedal installation
- Operates up to three handpieces
- High/low intensity switch
- Installation kit included

### MULTiflex Couplers Required

1390 (only for LS2 standard tubing or other 5-hole tubing)

### Tubing type to be used

- LS2 standard tubing straight or coiled use with 1390 coupler



1390 MULTiflex LUX Coupler  
#0553.1390



465LRN MULTiflex LUX Coupler  
#0553.1550



### LCM LUX control module #0905.8400

- Compact bulb in the coupler system
- For foot pedal and hanger installation
- Operates up to four handpieces
- Includes module transformer, remote intensity control, installation kit and light delay system

### MULTiflex Couplers Required

465LRN or 459AN (not shown)

### Tubing type

LCM tubing straight 11-inch in black, gray or surf; or LCM tubing coiled 7-inch in black or gray

### WARRANTY

#### • 18-Month WARRANTY

When maintained with KaVo QUATTROcare, your new or KaVo factory repaired 6000B is protected with a full one-and-a-half-year warranty.

#### • 12-Month WARRANTY

The 647B and 635B are covered with a 1-year warranty.

#### • Maintenance and Service

KaVo handpieces are easy and quick to maintain with one-step KaVo Spray or the KaVo QUATTROcare. And should you need it, our legacy for support and the guaranteed factory repair service is second to none.



#### • KaVo QUATTROcare

Clean, lubricate and purge up to four handpieces, attachments or air motors in one cycle, automatically, at the touch of a button.  
QUATTROcare Unit #0411.7800



#### • KaVo Spray

One fast spray prior to sterilization is all that is needed. Rated simplest maintenance program by CRA.  
KaVo Spray #0411.9660



#### • MULTiflex nozzle for high-speed handpieces. #0411.9921



#### • Genuine KaVo Turbines

KaVo turbines are designed and manufactured to withstand the day-to-day repeated workload and sterilization better than any other brand. All KaVo turbines can be easily replaced in the office or sent to KaVo.

To ensure maximum performance and concentricity, bearings cannot be replaced on the 6000B.



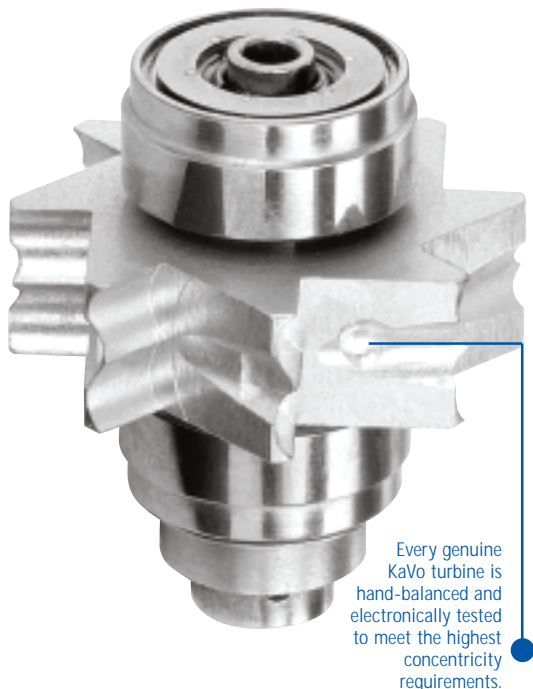
#### • The best light

25,000lux, high-precision robust glass rod stands up to repeated sterilization - 5-year warranty.

#### • Simple, easy to maintain and ultra-durable!

# WARNING!

## Generic Turbines May Kill KaVo Handpieces And Threaten Your Investment



Every genuine KaVo turbine is hand-balanced and electronically tested to meet the highest concentricity requirements.

Turbines turn at more than 6,000 times per second, a tiny, imperceptible wobble or shimmy is quickly amplified resulting in poor performance and the need for replacement. That means inconvenience and higher costs.

Even if a repair service says they use genuine KaVo parts, can you really be sure? Do they electronically balance the generic turbine like KaVo does with every new cartridge? Like unbalanced tires that demonstrate faster wear and poor performance, improperly balanced turbines develop chronic wear problems that damage your handpiece, lead to faster bur breaks and prevent smooth, precise preps.



Look for the seal that certifies a genuine KaVo factory repaired handpiece. It's your ONLY guarantee that the handpiece meets original specification. It's an assurance backed by an extended one year factory warranty, the same as our new handpieces.

If you are using generic parts and non-certified repair shops, you are invalidating your warranty and jeopardizing the useful life of your handpiece investment. Most likely, you bought KaVo because it is recognized as the world's best handpiece. Why risk performance and increase costs with sub-standard parts?

Studies have revealed that dentists consider durability to be the most important handpiece feature. KaVo handpieces are the proven leader with independent evaluations that confirm superior durability and maximum handpiece life. Chances are that a problem with your KaVo handpiece is the result of faulty parts and improper repair.

### A Comparison of Short and Long Term Savings

	Generic Turbine	Genuine KaVo Turbine
Turbine Cost	\$164 <sup>1</sup>	\$260 <sup>2</sup>
Expected Life	8 Months <sup>1</sup>	18 Months
Average Cost Per Month	\$20.50	\$14.44
Estimated 18-Month Cost	\$369	\$260
Warranty Coverage	6 Months <sup>1</sup>	12 Months <sup>3</sup>

<sup>1</sup> Average numbers received from generic turbine sales centers. Data available upon request.

<sup>2</sup> Average KaVo Turbine price (6000B – \$235, 647B and 635B – \$285 retail).

<sup>3</sup> Bigger savings with an 18-month warranty for the New GENTLEforce 6000B high-speed handpiece maintained with QUATTROcare.

Generic parts are the substantial equivalent of a disposable handpiece. If you are experiencing the following symptoms with a recently repaired handpiece, they most likely are the result of generic parts and inadequate repair.

- Lack of bur retention leading to reduced cutting efficiency
- Non-concentric cutting resulting in less precise preparations
- Bur breakage
- Fast wear and the need to replace parts more often
- Performance degradation after repeated sterilization

This all leads to:

- Higher repair costs
- More headaches from inconvenient breakdowns and slow service turnaround

Any and all of these problems can be solved with genuine KaVo parts and certified repairs. Next time your KaVo handpiece requires maintenance and repair, do not settle for less than exceptional performance. Call KaVo today and extend the life of your investment.

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**KaVo. Dental Excellence.**