



THE KAVO ADVANTAGE

Your guide to KaVo innovations

WELCOME TO THE **KAVO** ADVANTAGE

Since 1909, dental professionals around the world have trusted the quality and precision of KaVo instruments. With more than 5 million handpieces sold worldwide, KaVo is the number one selling handpiece in the world.

Dental Excellence since
1909

In 1928, the first
sterilizable handpiece
is created by KaVo.



1909 In 1909, KaVo is
founded by Alois
Kaltenbach and in
1919 Richard Voigt
joins the company.



In 1958, KaVo launches
its first turbine called
Borden-Air 60.

Our vast line of quality handpieces showcases our attention to your level of care while delivering performance that lasts. It is our passion for excellence that enables us to deliver the best air-driven, electric and surgical systems worldwide.



Legend



2-Hole



4-Hole



5-Hole



6-Pin



Light



Sterilizable at temperatures up to 135°C / 275°F

KAVO

Electrics Collection

The pinnacle of KaVo innovation

KaVo offers a comprehensive electrics system. By combining KaVo's smallest head size for best access and visibility, a reliable triple gear system, and a short, light-weight motor, KaVo provides you with the ideal solution for synchronized efficiency.



Smaller Head Size

For easy, efficient access to the preparation area



KaVo Push-Button Chuck System

With a retention power of up to 30 N for secure retention of the bur



Low Volume (only 55 dB(A))

To eliminate unpleasant noises for patients and treatment personnel



Optimum Access

Thanks to the patented 100°/19° head/knee angle combination



Triple-Gear Technology

For ultra-smooth operation with minimal vibration



Plasmatec™ Coating

For a perfect grip and excellent hygiene

Powerful balance

Celebrating 10 years of its revolutionary impact to electrics innovation, KaVo's **INTRA™ LUX KL703 LED** offers impressive power and handling. With perfect ergonomics and optimum weight distribution, the KL703 LED is the powerful force behind KaVo's award winning Electrics collection.



ELECTROmatic Premium

The ultimate all-in-one device for intuitive operation and integrated endo function. Available with one or two motors for easy switch between high-speed and low-speed applications. The pre-programmed file systems make it easy to plan and customize your endodontic sequence.



ELECTROmatic Plus

The perfect solution for all high-speed and low-speed applications. ELECTROmatic™ Plus is equipped with an easy-to-read LCD display and multiple mounting options offer the best visibility and comfortable access to adjust the motor speed settings.









ELECTROmatic







The entry into the world of KaVo electrics. Pairs perfectly with the innovative COMFORTdrive 200XDR high-speed handpiece — now with increased speed range for some low-speed applications.










MASTERmatic Attachments







						
MASTERmatic™	M25 L	M05 L	M20 L	M07 L	M29 L	M10 L
MASTERmatic version	High-speed	High-speed	Low-speed	Low-speed	Low-speed	Straight Attachment
Transmission type	Speed Increasing 1:5	Speed Increasing 1:5	1:1	Reduction 2.7:1	Reduction 7.4:1	1:1
Part no.	1009.3630	1009.3640	1009.3620	1009.3610	1009.3580	1009.3570

INTRA LUX Heads

						
INTRA™ LUX	L68 B	L80	L67	L66 B	L53	L3
INTRA LUX version	Operative Latch	Operative Friction Grip	Operative Latch	Endodontics Latch	Endodontics	Endodontics
Transmission type	1:1	1:1	2:1 Reduction	3:1 Reduction	90° Oscillating	90° Oscillating
Part no.	1008.1834	1004.4456	1008.1832	1008.1831	1008.1826	1008.1830

							
INTRA™ LUX	L3 Y	L61 G	L61 R	L62	L52	L31	L22
INTRA LUX version	Endodontics	Ortho / Perio / Endo	Ortho / Perio / Endo	Endodontics Latch	Mini Latch	Prophy	Micro
Transmission type	Specialty	Axial stroke (3:1)	Axial stroke (3:1)	10:1 Reduction	1:1	2:1 Reduction	1:1
Part no.	1008.1823	1008.1828	1008.1829	1008.1830	1008.1825	1008.1824	1008.1835

EXPERTmatic Attachments

						
EXPERTmatic™	E25 L / C*	E20 L / C*	E15 L / C*	E31 C	E61 C	E10 C
EXPERTmatic version	High-speed	Low-speed	Low-speed	Low-speed	Low-speed	Straight Attachment
Transmission type	Speed increasing 1:5	1:1	Reduction 5.4:1	Reduction 5.4:1	Axial stroke (3:1)	1:1
Part no.	1007.5550 (E25 L) 1007.5551 (E25 C)	1007.5540 (E20 L) 1007.5541 (E20 C)	1007.5530 (E15 L) 1007.5531 (E20 C)	10080.4998	1008.4999	1007.5560

*Model numbers ending in C are non-optic

COMFORTdrive

	
Handpiece Model	COMFORTdrive™ 200 XDR
Speed range	20,000 - 200,000 rpm
Bur type	Friction grip burs 1.6 mm
Connection type	Pairs exclusively with COMFORTbase coupling system
Features	Very lightweight and powerful - the most ergonomic KaVo handpiece
Part No.	1007.3570

Electric Systems



ELECTROmatic™ Premium with KL703 motor standard tube (69 inch)

Part no. 1012.8545 – 1 x KL703
Part no. 1012.8547 – 2 x KL703



ELECTROmatic™ Plus with KL703 motor standard tube (69 inch)

Part no. 1012.8541 – 1 x KL703



ELECTROmatic™

Part no. 1012.8539 (1x COMFORTbase)

Air-Driven High-Speed Collection

Superlative performance and power

KaVo's MASTERtorque premium air-driven handpieces feature superlative performance coupled with superior access and visibility, especially in the posterior. The extremely well-balanced turbines create whisper quiet operation that protects your hearing and helps create a more relaxing environment for all.



Safe Preparations with Direct Stop Technology™

Bur stops in less than one second for greater safety during treatment



Maximum Chuck Strength

With a retention power of up to 30 N for secure retention of the bur



More Power

Most powerful high-speed with ceramic bearings



Whisper Quiet Operation

Quietest KaVo Air High-speed at 57 decibels



Non-Return Feature

Effectively prevents contaminated debris and aerosol getting inside the housing around the head



Industry Leading Access

Better access even with a 19 mm bur, the total head height is only 20 mm



MASTERTorque™



M8900 L



M8700 L

EXPERTTorque™



E679 L



E675 L

SMARTTorque™



S619 L



S615 L



S609 C



S605 C

SURGTorque™



S459 L



S459 C

	MASTERTorque™		EXPERTTorque™		SMARTTorque™				SURGTorque™	
	M8900 L	M8700 L	E679 L	E675 L	S619 L	S615 L	S609 C	S605 C	S459 L	S459 C
Head size	Standard	Mini	Standard	Mini	Standard	Mini	Standard	Mini	Standard	Standard
Power	31 watts	30 watts	29 watts	27 watts	26 watts	22 watts	26 watts	22 watts	19 watts	
Features	Direct Stop Technology™, Plasmatec Coating, 2-year Standard Warranty, Whisper Quiet Operation		EXPERTgrip, 3rd generation cellular optics, Push button auto chuck		Optimum balance of speed and torque		Optimum balance of speed and torque, Non-optic		Exhaust ports direct excess exhaust away from the cutting area	
Part no.	1008.7800	3001.0000	1006.9200	1006.6400	1008.1641	1008.1643	1008.1644	1008.1645	3000.4808	3000.5063

Use with any of the following KaVo MULTIflex™ Couplers



465LED MULTIflex™ LUX Coupler
Part no. 1007.3197



460LED MULTIflex™ LUX Coupler
Part no. 1007.3201



1390 MULTIflex™ LUX Coupler
Part no. 0553.1390



457 MULTIflex™ Coupler
Part no. 0553.1210

SMARTmatic Low-speed Collection

The smart choice for your practice

The SMARTmatic series unites KaVo's trusted quality with smart features for optimal ease of use and successful clinical outcomes. As a successor to the established INTRAmatic E / ES series, our SMARTmatic compliments the Master and Expert series to offer you an attractive entry into the world of KaVo.



Exceptional Quality

Designed by the leading dental brand, known and trusted for over 110 years



Versatile Portfolio

Wide range of treatment options thanks to 15 unique instruments within this platform



Premium Materials

Rust-free stainless steel for long-lasting durability and low cost of ownership



Precise Ball Bearings

Made with quality performance top of mind, well-balanced ball bearings provide smooth operation



Smart Design

Ergonomic design provides better visibility and balance for precise treatment

SMARTmatic™



SMARTmatic™	S20 K	S80 K	S19 K	S31 K	S10 K	S20	S81	S321	S19	S31	S33	S53	S10
Primary indication(s)	Restorative	Restorative	Prophy	Prophy	Restorative	Restorative	Endo	Endo	Prophy	Prophy	Prophy	Prophy	Restorative
Operating speed transmission	1:1	1:1	8:1	8:1	1:1	1:1	8:1	32:1	8:1	8:1	8:1 70° Oscillating rotation		1:1
Chuck system	Latch type	Friction grip	Doriot	Screw-in (Snap-on)	Latch type	Latch type	Latch type	Latch type	Doriot	Screw-in (Snap-on)	Screw-in (Snap-on)	Latch type	Latch type
Part no.	1011.6751	1011.6771	1011.6741	1011.6761	1011.6731	1011.6750	1011.6780	1011.6790	1011.6740	1011.6760	1011.6800	1011.6810	1011.6730

SMARTmatic models ending in K are suitable for INTRA 181K Air motor.
All others are compatible with any E-style motor.



INTRA™ 181 K Air motor

Forward/reverse speed adjustment
Part no. 0535.5260



INTRAmatic™ 181 M Air motor

Quick Disconnect, forward reverse speed adjustment. Part no. 0535.5250



INTRA™ 181 H Air motor

Forward/reverse speed adjustment
Part no. 0535.5200



INTRA™ LUX 181 L Air motor

Forward/reverse adjustment
Part no. 0535.5210



INTRA™ LUX KL 703 LED Electric motor

Brushless motor
Part No. 1007.0150



QUATTROcare Plus

Automated handpiece maintenance system

The user friendly QUATTROcare™ Plus handpiece maintenance system is designed to clean, lubricate and purge your instruments with the simple push of a button. Maintenance with the QUATTROcare Plus system means less wear, less repairs, less staff down time, smoother operation, and increased longevity of your handpieces.



Easy to Use

Up to four (4) handpieces or air motors are cleaned, lubricated and purged in the same cycle



Safe, Controlled Cleaning

Completely controlled cleaning and purging procedure



Economical Investment

Can be used for virtually all manufacturers' handpieces, air driven scalers and air motors



Fast Cleaning Cycle

Flexible programming allows setting of total cycle time from 20-45 seconds per handpiece



Chuck Care Maintenance

Chuck care system provides easy maintenance of handpiece chuck

QUATTROcare Plus™

Part no. 1008.3805

Exact Amount, Every Time

QUATTROcare Plus provides the exact amount of spray to properly lubricate your handpieces. Our unique formulation of spray cleans and lubricates in just one step.



Easy operation with three simple steps



The use of QUATTROcare Plus ensures consistent servicing and minimizes errors, which leads to savings from unnecessary repairs. Discover tips on how to prolong the service life of your KaVo handpieces by downloading our KaVo Care & Maintenance Brochure.



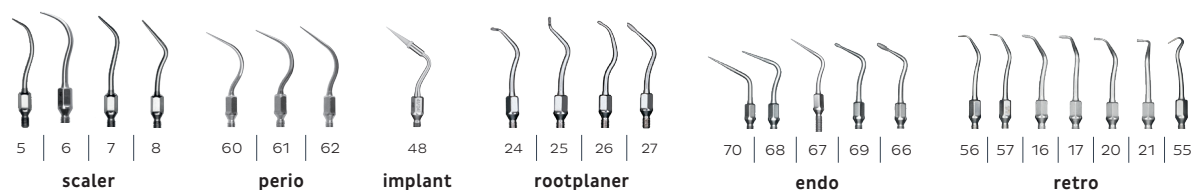
SONICflex quick

HYGIENE – STEP 1 SCALING

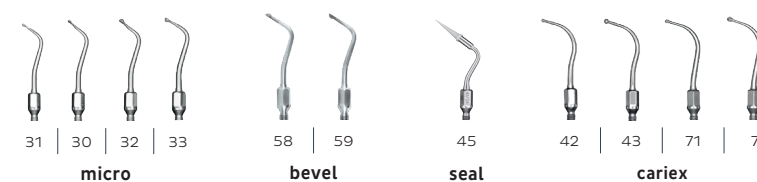
The wide range of options offered by the SONICflex will soon make it one of your most-used instruments. The SONICflex connects quickly and easily to KaVo MULTIflex couplers and offers three performance settings providing you optimum working conditions, for every indication.

hygiene

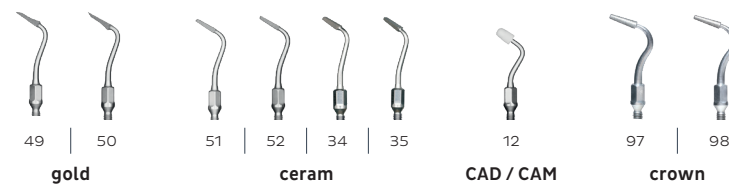
endodontics



minimally invasive dentistry



preps



SONICflex™

Part no. 1007.1604 (2008 L quick)

Part no. 1000.8333 (2003 L)



PROPHYflex 4

HYGIENE — STEP 2 CLEANING

Prevent caries, periodontitis and gingivitis by removing biofilm deposits easily with PROPHYflex 4 air polishing device. The PROPHYflex 4 connects easily to KaVo MULTIflex couplers for a quick disconnect and optimal portability.

It's ergonomically designed for a more comfortable experience. PROPHYflex 4 is designed so you can easily disassemble, clean, disinfect and sterilize the device before every use. PROPHYflex 4 checks all the boxes.



PROPHYflex™ 4

Part no. 3002.8000 (wave blue)

Part no. 3002.8200 (lime green)

Part no. 3002.8800 (flamingo pink)

KaVO

PROPHYwiz 181P

HYGIENE — STEP 3 POLISHING

PROPHYwiz provides you with the most comfortable polishing handpiece to maximize productivity and make polishing easier and more enjoyable. PROPHYwiz runs smoothly and quietly to optimize patient comfort. PROPHYwiz is an affordable and easy integration to your existing hygiene workflow.

SMARTmatic low-speed hygiene Attachments

KaVo's SMARTmatic PROPHY S19K and PROPHY S31 K are easy to use, ergonomic and light-weight handpieces for tooth polishing. The durable hygienic coating allows for better handling and performance. Easily integrate SMARTmatic Prophy attachments to your workflow with KaVo's INTRA 181K Air-Motor and maximize your versatility. (see page 11).



PROPHYwiz™ 181 P

Part no. 1003.2278

DIAGNOdent pen

HYGIENE – STEP 4 CARIES DETECTION

How the DIAGNOdent Works

The DIAGNOdent uses laser fluorescence to aid in the detection of caries within the tooth structure. As the incident laser light is dispersed into the site, carious tooth structure will exhibit fluorescence, proportionate to the degree of caries, resulting in elevated scale readings on the display. Clean healthy tooth structure exhibits little or no fluorescence and will result in very low scale readings on the display.

Proven Clinical Results

Treatment decisions require a higher degree of certainty. The DIAGNOdent laser caries detection aid removes the doubt from treatment decisions regarding hidden caries or questionable stained grooves. The device's ability to see into occlusal pits and fissures enables dentists to treat subsurface carious lesions with confidence.



DIAGNOdent™ pen

Part no. 1004.3400 (pen)

Part no. 1004.8400 (display/holder)

Surgical systems

The KaVo Surgical portfolio redefines the best. They are simple, intuitive and easy to use with large color screens and pictorial guides for step-by-step implant procedures. KaVo's MASTERSurg and EXPERTSurg units offer intelligent power and precise torque.



MASTERSurg LUX Wireless

Wireless foot control makes the MASTERSurg a comfortable system to use while delivering maximum performance and safety. Easily customize up to 10 programs, each with 10 programmable steps for your desired implant workflow.



EXPERTSurg LUX

EXPERTSurg is easy to operate, saving you time to perform at your best. One touch auto calibration guarantees precise speed and torque for maximum safety.



Performance

Experience exceptional performance thanks to KaVo's INTRA™ S600 LED, one of the world's lightest and smallest surgical micro motors that delivers adjustable torque up to 80 Ncm in implant mode.



Surgical Attachments

							
	S15L Pro	S201 XL Pro	S201 L Pro	SURGmatic S11L	3610N1	3610N2	3610N3
Transmission	Speed-increasing 1:5	Reduction Ratio 20:1	Reduction Ratio 20:1	1:1 Transmission	1:1 Transmission	1:1 Transmission	1:1 Transmission
Features	CoolHead Technology, EXPERTgrip, 3-port spray hits the bur shaft at 10mm, 30mm and 80mm for optimal cooling of the entire bur	Hexigon clamping system, EXPERTgrip, Removeable head, easy to clean	EXPERTgrip, Removeable head, easy to clean	EXPERTgrip, External spray	Surgical straight attachment easily dismantled for cleaning		
Part no.	1014.4000	1013.7541	1013.7541	1009.1010	0524.5600	0524.5610	0524.5620

MASTERSurg™ LUX Wireless

Part no. 1009.1200



EXPERTSurg™ LUX

Part no. 1008.3500



Dental Excellence from KaVo.

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KAVO
Dental Excellence