

Dental Excellence in every area



Practice equipment

KaVo treatment units, treatment lights, practitioner's chairs, patient communication system, and additional accessories for the dental practice.



Instruments

Dental straight and contra-angle handpieces, turbines, air polishing handpieces and small devices for all areas of application from diagnostics via prophylaxis to restoration, surgery, endodontics and instrument care and maintenance.

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KAVO
Dental Excellence

Pocket Guide KaVo Instruments



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KaVo Straight and Contra-Angle Handpieces – heads / Combination options for shanks

Heads	A- Programme	B- Programme	C- Programme	CN- Programme	LN- Programme	CH- Programme	LH- Programme	GENTLE- power LUX Programme	MASTER- matic Programme
3 LD*	o	o	o	x	x	x	x	x	x
3 LDSY*	o	o	o	x	x	x	x	x	x
22 LA*	o	o	o	x	x	x	x	x	x
22 LB*	o	o	o	x	x	x	x	x	x
31 LR*	o	o	o	x	x	x	x	x	x
33*	x								
52*	x								
52 G*	o	x	x						
52 LDN*	o	o	o	x	x	x	x	x	x
53 LDN*	o	o	o	x	x	x	x	x	x
61 LC*	o	o	o	x	x	x	x	x	x
61 LF*	o	o	o	x	x	x	x	x	x
61 LG*	o	o	o	x	x	x	x	x	x
61 LRG*	o	o	o	x	x	x	x	x	x
62 LDN*	o	o	o	x	x	x	x	x	x
66 LD*	o	o	o	x	x	x	x	x	x
66 LU*	o	o	o	x	x	x	x	x	x
67 CN*	x								
67 LH*	o	o	o	x	x	x	x	x	x

Continued on the next page

Only LUX heads can be operated with CN/CH and LN/LH, GENTLEpower and MASTERmatic shanks

■ = Programme is sold out

O = technically operable (partially, but with limitations)

X = combination recommended by KaVo

* no longer available

KaVo Straight and Contra-angle Handpieces – heads / Combination options for shanks

Heads	A- Programme	B- Programme	C- Programme	CN- Programme	LN- Programme	CH- Programme	LH- Programme	GENTLE- power LUX Programme	MASTER- matic Programme
68 CDN*	x								
68 CN	x								
68 LH*	o	o	o	x	x	x	x	x	x
68 LU*	o	o	o	x	x	x	x	x	x
80 LD*	o	o	o	x	x	x	x	x	x
L3	x								
L3 Y	x								
L22	o	o	o	x	x	x	x	x	x
L31	o	o	o	x	x	x	x	x	x
L52	o	o	o	x	x	x	x	x	x
L53	o	o	o	x	x	x	x	x	x
L61 G	o	o	o	x	x	x	x	x	x
L61 R	o	o	o	x	x	x	x	x	x
L62	o	o	o	x	x	x	x	x	x
L66 B	o	o	o	x	x	x	x	x	x
L67	o	o	o	x	x	x	x	x	x
L68	o	o	o	x	x	x	x	x	x
L68 B	o	o	o	x	x	x	x	x	x
L80	o	o	o	x	x	x	x	x	x

Only LUX heads can be operated with CN/CH and LN/LH, GENTLEpower and MASTERmatic shanks

■ = Programme is sold out

O = technically operable (partially, but with limitations)

X = combination recommended by KaVo

* no longer available

 You'll also find this overview in your original KaVo price list

KaVo straight and contra-angle handpieces in comparison

	KaVo MASTER Series (MASTERmatic)	KaVo EXPERT Series (EXPERTmatic)	KaVo SMART Series (SMARTmatic)
Easy to hold, comfortable surface	KaVo Plasmatec coating with hygienic seal	KaVo EXPERTgrip	Easy to hold surface
Flexibility	By virtue of compatibility of the heads with the different shanks	Based on multiple different contra-angle handpieces with permanently integrated heads	Based on multiple different contra-angle handpieces with permanently integrated heads
Smooth running: 55 dB(A) By virtue of maximal precision for quiet, vibration-free running	x	x	x
Aesthetics	Due to the most modern Plasmatec surface + ergonomic design	Owing to the classic stainless steel design	One-piece instrument sleeve without points of separation or edges
Small head housing*	M25 L: Head height: 13.5 mm; Head Ø: 10.3 mm M05 L: Head height: 12.6 mm; Head Ø: 9 mm	Head height: 14.7 mm	Head height: 10.8 - 3.5 mm Head Ø: 8.5 - 9.8 mm
Ideal angle combination 100° head / 19° knee*	x		
Glass rod light guide with 25,000 lux**	x	x	
Original KaVo ceramic ball bearings*	x	x	
KaVo push-button clamping system (up to 30N holding power)*	x	x	
Triple Gear system*	x		
3-nozzle spray for optimal cooling*	x	x	
Internally guided separated spray air / Spray water	x	x	
Interchangeable microfilters	X (except with M10 L)	X (with E25 L / E25 C)	
Thermodisinfected	x	x	x
Sterilisable in autoclaves up to 135 °C	x	x	x

* with high-speed instruments, ** with LUX Instruments

 You'll also find this overview in your original KaVo price list

KaVo MASTERmatic straight and contra-angle handpieces

Advantages at a glance



Optimal accessibility

thanks to ergonomic 100°/19° head-knee angle combination



Triple-Gear technology

for extremely smooth running without disturbing vibrations



Hightech FG collet chuck with carbide guide bushing

for maximal durability



Flexibility based on interchangeable heads

for universal applicability and optimal cost-effectiveness



Ceramic ball bearings

for excellent quiet and low-vibration running



Small head size

for simple, efficient access to the preparation area



Plasmatec™ coating

for perfect holding and excellent hygiene



3-Nozzle spray

with fine spray wetting for optimal cooling



Glass rod light guide

with up to 25,000 lux for reliable detection of the preparation limits



Low volume (only 55 dB(A))

for the elimination of unpleasant noise for patient and practitioner



Internally guided, separate cooling media

for an optimal spray image



Interchangeable spray microfilter

for effective and trouble-free spray cooling



KaVo INTRAmatic coupling system,

deployable with every treatment unit



KaVo push-button clamping system

with up to 30 N holding power for secure holding of the drill



Thermodisinfectable

and sterilisable up to 135 °C



Made in
Germany

KaVo MASTERmatic M25 / M05 L Highspeed (red contra-angle piece)

Features	Use
M25 L: Small instrument head H: 13.5 mm Ø: 10.3 mm	Best view and optimal space
M05 L: Miniature instrument head H: 12.6 mm Ø: 9 mm for short shank drills	Perfect for hard-to-reach areas and for the treatment of children and seniors
Triple Gear technology	Extremely smooth running without disturbing vibrations K
Ceramic ball bearings made in Germany	Excellent quiet and low-vibration running
Exceptionally quiet quiet 55 dB(A)	Reduction of unpleasant sounds for patient and practitioner Relaxing treatment
KaVo Hightech FG collet chuck with carbide guide bush	30 N secure holding of the drill K Centric and precise runout Durability
Ergonomic KaVo 100°/19° head-knee angle combination	Optimal accessibility

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✓ Further advantages can be found on page 8

KaVo MASTERmatic & INTRA heads straight and contra-angle handpieces (green, blue, yellow)

Features	Use
Two-part design: Three different shanks can be combined with a total of 14 INTRA instrument heads	Maximal flexibility and safety for different indications, the suitable instrument for almost every indication K
14 INTRA heads with approximately 65% more stainless steel housing material hardness	Durability and low overall costs thanks to almost unlimited versatility for almost all applications
Optimised head design without unnecessary angles and edges	Simple maintenance procedures Hygienic safety

K Exclusively from KaVo

✓ Further advantages can be found on page 8

KaVo EXPERTmatic straight and contra-angle handpieces

Advantages at a glance



Hightech FG collet chuck with carbide guide bushing

for maximal durability



Ceramic ball bearings

for excellent, smooth and low-vibration running as well as high quality, low-wear materials, such as e. g. stainless steel head



Small head size

for easy, efficient access to the preparation area



EXPERTgrip™ surface

for quick cleaning and efficient grasping



3-nozzle spray

with fine spray wetting for optimal cooling



Glass rod light guide

with up to 25,000 lux for reliable detection of the preparation limits



Low volume (only 57 dB(A))

for the elimination of unpleasant noise for patient and practitioner



Internally guided, separate cooling media

for an optimal spray image



Interchangeable spray microfilter

for effective and trouble-free spray cooling



KaVo INTRAmatic coupling system,

deployable with every treatment unit



KaVo push-button clamping system

with up to 30 N holding power for secure holding of the drill



Thermoisinfectable

and sterilisable up to 135 °C



Made in
Germany

KaVo EXPERTmatic E25 L / E25 C Highspeed (red contra-angle piece)

Features	Use
Reduced standard head size Head height: 14.7 mm Head-Ø: 10.2 mm	Good access to the preparation area Improved view
Proven, highly precise KaVo transmission gearing 1:5	Smooth running and powerful preparation
Ceramic ball bearings made in Germany	Excellent quiet and low-vibration running
Reduced volume of 57 dB(A)	Reduction of unpleasant noise for patient and practitioner Relaxing treatment
KaVo Hightech FG collet chuck with carbide guide bush	30 N secure holding of the drill  Centric and precise runout Durability
Toughened stainless steel head and the tightest manufacturing tolerances	Best value cost-durability ratio
Options LUX / non-LUX instrument	The right instrument for the treatment unit motor

 Exclusively from KaVo

 Further advantages can be found on page 12

KaVo EXPERTmatic straight and contra-angle handpieces (green, blue, yellow)

Features	Use
Straight and contra-angle handpiece portfolio for rotating caries excavation and polishing, as well as special applications with stroke movement	Reliable / proven equipment for general practitioners
Toughened stainless steel head and the tightest manufacturing tolerances	Best value cost-durability ratio
Options LUX / non-LUX instrument	The right instrument for the treatment unit motor

 Further advantages can be found on page 12

KaVo SMARTmatic Handpieces and contra-angles

Benefits at a glance



100% made in Germany

All instruments are developed and produced exclusively in Germany



Extremely precise ball bearings

for long-lasting smooth operation and a high degree of efficiency



Small head size

for easy, efficient access to the preparation area



Internal spray transmission to the spray clip

for a quick changeover of instruments on all motors



Ceramic slider within the clamping system

for enduring and secure tool holding



High-quality, seamless surfaces

for rapid cleaning and flawless hygiene



Lightweight

for tireless working



Optimum balance

for precise treatment



Premium materials

Rust-free stainless steel for long-lasting durability and low running costs



Suitable for all requirements

whether you're pursuing restorative, endodontics or prophylaxis



KaVo INTRAmatic coupling system

can be used with any treatment unit



Thermo-disinfectable

and sterilisable up to 135 °C



Made in
Germany

KaVo SMARTmatic straight and contra-angle handpieces

Features	Use
Made in Biberach: the efficient entry into the KaVo world	Choice and quality within the KaVo portfolio
Stainless steel instruments with precision ball bearings	Durable Reliable and efficient working
Streamlined design and small head size	Ergonomically relaxing working independent of hand size
Selection of prophylaxis contra-angle handpieces, rotating and oscillating, for different polishing pastes	Offer for different personal preferences
S33 / S53: Oscillating movement approx. 70°	Polishing paste sticks to the polishing cup better / effective polishing in the Interdental spaces as well / no drawing up of saliva
S31: Rotating movement for Screw in/Snap on polishers	Flexibility for use of snap on / screw in polishing applications
S20 (S): Rotating movement in restorative, useable with (S) or without external cooling	Restorative application
S10 (S): straight handpiece with rotating movement for restorative applications, useable with (S) or without external spray cooling	Restorative application
S81/S321 Endodontic contra-angle instrument for endodontic applications with rotating movements	Useable with most endo files with ISO machine shaft
S19 Prophylaxis handpiece for rotating polishing applications	Fits to most market brands of disposable polishers



KaVo turbines - MASTER series/EXPERT series/SMART series in comparison

	KaVo MASTER series (MASTERtorque)	KaVo MASTER series (MASTERtorque Mini)	KaVo EXPERT series (EXPERTtorque)	KaVo EXPERT series (EXPERTtorque Mini)	KaVo SMART series (SMARTtorque)	KaVo SMART series (SMARTtorque Mini)
Optimal performance - high torque even with difficult preparations*	MASTERtorque M9000 L up to ca. 31 watts at 3.5 bar	MASTERtorque M8700 L up to ca. 30 watts at 3.5 bar	EXPERTtorque E680 L up to ca. 29 watts at 3.5 bar	EXPERTtorque E677 L up to ca. 27 watts at 3.5 bar	SMARTtorque S619 L, S619 C, S609 C up to 26 watts at 3.0 bar	SMARTtorque S615 L, S605 C up to 22 watts at 3.0 bar
Direct Stop technology	Drill stop in ca. 1 sec. aerosol back-suction stop with Hygieneplus	Drill stop in ca. 1 sec. aerosol back-suction stop with Hygieneplus				
Ideal angle combination	Head angle: 100° Knee angle: 19°	Head angle: 100° Knee angle: 19°	Head angle: 100° Knee angle: 19°	Head angle: 100° Knee angle: 19°	Head angle: 95° Knee angle: 19°	Head angle: 95° Knee angle: 19°
Small head housing	Head height: 13.1 mm Head Ø: 12.5 mm Total head height 19 mm Drill length corresponds to 20 mm	Head height: 12.1 mm Head Ø: 10.8 mm	Head height: 13.6 mm Head Ø: 12.5 mm			
Running noise	up to 57 db(A)	up to 59 db(A)	up to 62 db(A)	up to 65 db(A)	up to 65 db(A)	up to 65 db(A)
Authorised drills	Standard and long drills up to 25 mm (19 - 25 mm)	Miniature, standard and long drills up to 21 mm (16 - 21 mm)	Standard and long drills up to 21 mm (19 - 21 mm)	Miniature and standard drills up to 21 mm (16 - 21 mm)	Standard and long drills up to 25 mm (19 - 25 mm)	Miniature and standard drills up to 21 mm (16 - 21 mm)
Easy to hold, comfortable surface	KaVo Plasmatec coating with hygienic seal	KaVo Plasmatec coating with hygienic seal	KaVo EXPERTgrip	KaVo EXPERTgrip	Chrome-plated surface	Chrome-plated surface
Aesthetics	Owing to the most modern Plasmatec surface + ergonomic design, colour version available	Owing to the most modern Plasmatec surface + ergonomic design	By virtue of the most modern design and EXPERTgrip surface	By virtue of the most modern design and EXPERTgrip surface	Thanks to the most modern design and optically modified surface	Thanks to the most modern design and optically modified surface

* approx. Performance is dependent on drive pressure and other parameters and, when maximal, can lead to higher noise levels and accelerated wear and tear. With comparable norm measurements the performance values increase to some extent.

[Continued on the next page](#)

KaVo turbines - MASTER series/EXPERT series/SMART series in comparison

	KaVo MASTER series (MASTERtorque)	KaVo MASTER series (MASTERtorque Mini)	KaVo EXPERT series (EXPERTtorque)	KaVo EXPERT series (EXPERTtorque Mini)	KaVo SMART series (SMARTtorque)	KaVo SMART series (SMARTtorque Mini)
Interchangeable microfilters	x	x	x	x		
Automatic drive pressure regulation	Passive system	Passive system				
Integrated back-suction stop	in coupling	in coupling	in coupling	in coupling	in coupling	in coupling
Glass rod light guide (25,000 lux) with LUX turbines	x	x	x	x	x	x
Ball bearings	Original KaVo ceramic ball bearings	Original KaVo ceramic ball bearings	Original KaVo ceramic ball bearings	Original KaVo ceramic ball bearings	Original KaVo ceramic ball bearings	Original KaVo ceramic ball bearings
KaVo push-button clamping system	x	x	x	x	x	x
Holding power	up to 32 N	up to 32 N	30 N	30 N	30 N	30 N
Nozzle spray for optimal cooling	4	3	4	3	4	1
KaVo MULTiflex LUX coupling system	x	x	x	x	S619 L, S619 C	S615 L
Thermodisinfected	x	x	x	x	x	x
Sterilisable in autoclaves up to 135 °C	x	x	x	x	x	x
Carbide guide bushing	x	x	x	x	x	x

 You'll also find this overview in your original KaVo price list

KaVo MASTERtorque turbines

Advantages at a glance



Optimal accessibility

as a result of ergonomic 100°/19° head-knee angle combination



Interchangeable spray microfilter

for effective and trouble-free spray cooling



Ceramic ball bearings

for excellent quiet and low-vibration running



KaVo push-button clamping system

with up to 32 N holding power for secure holding of the drill



Thermoisinfectable and sterilisable up to 135 °C



Small head size

Total height of 13.1 mm (standard version) or 12.1 mm (mini version) for good accessibility and overview



Direct Stop Technology

Drill stops in one second for more safety during treatment



Plasmatec™- Coating

for perfect holding and excellent hygiene



Backsuction stop

effectively prevents penetration of dirt and aerosol into the inside of the head housing



4-nozzle spray

with fine spray wetting for optimal cooling



Optimal view

owing to light and spray outlets that are arranged in an offset manner



Glass rod light guide

with up to 25,000 lux for reliable detection of the preparation limits



Maximal performance

of up to 31 watts at 3.5 bar for efficient working



Low volume (only 57 dB(A))

for the elimination of unpleasant noise



Hightech FG collet chuck with carbide guide bushing

for maximal durability



Made in
Germany

KaVo MASTERtorque turbines

Features	Use
Direct Stop technology (DST)	Safety:  Drill stop occurs within 1 second Safety: Minimised contact with tissue Hygiene: Back-suction stop against the penetration of dirt and aerosol Quality: Constantly good running properties
M9000 L: Low head height: 13.1 mm	Optimal accessibility and overview
M8700 L: Miniature head height: 12.1 mm	Perfect for hard-to-reach areas and for the treatment of children and seniors
KaVo ceramic ball bearings made in Germany	For quiet and low-vibration running with the preparation
M9000 L: Up to ca. 31 watts performance at 3.5 bar MULTIflex manometer pressure	Fast and efficient working at high torque, even with difficult preparations
M8700 L: Up to ca. 30 watts performance at 3.5 bar MULTIflex manometer pressure	

Features	Use
M9000 L: Exceptionally quiet quiet – only 57 dB(A) call volume M8700 L: 59 dB(A)	Relaxed working for users, assistants and patients due to the elimination of unpleasant operating noise
KaVo Hightech FG collet chuck with carbide guide bush	Centric and precise runout by virtue of a hard and precise guide bushing  Durability
Drill holding power with up to 32 N	Secure holding power of the drill Centric running for precise working Extension of the working life / Operating time based on significantly increased holding power with respect to the required norm
Ergonomic KaVo 100°/19° head-knee angle combination	Outstanding ergonomic access and good viewing of the preparation field
Turbine bodies made of very resistant stainless steel	First class workmanship with special coating (Plasmatec) ensures a long working life

 Exclusively from KaVo

 Further advantages can be found on page 22

KaVo EXPERTtorque turbines

Advantages at a glance



Optimal accessibility

on account of ergonomic 100°/19° head-knee angle combination



Low volume (only 62 dB(A))

for the elimination of unpleasant noise for patient and practitioner



Ceramic ball bearings

for excellent quiet and low-vibration running



Interchangeable spray microfilter

for effective and trouble-free spray cooling



Small head size

Total height of 13.6 mm (standard version) or 12.2 mm (mini version) for good accessibility and overview



KaVo push-button clamping system

with up to 30 N holding power for secure holding of the drill



EXPERTgrip™ surface

for quick cleaning and efficient grasping



Thermodisinfectable

and sterilisable up to 135 °C



4-nozzle spray

with fine spray wetting for optimal cooling



Maximal performance

of up to 29 watts at 3.5 bar for efficient working



Glass rod light guide

with up to 25,000 lux for reliable detection of the preparation limits



Hightech FG collet chuck with carbide guide bushing

for maximal durability



Made in
Germany

KaVo EXPERTtorque turbines

Features	Use
E680 L: Low head height: 13.6 mm	Optimal accessibility and overview
E677 L: Miniature head height: 12.2 mm	Perfect for hard-to-reach areas and for the treatment of children and seniors
KaVo Hightech FG collet chuck with carbide guide bush	Centric and precise runout owing to a hard and precise guide bushing K Durability
Drill holding power with up to 30 N	Secure holding power of the drill Centric running for precise working Extension of the working life / Operating time based on significantly increased holding power with respect to the required norm
E680 L: Up to ca. 29 watts performance at 3.5 bar with MULTIflex manometer pressure	Fast and efficient working at high torque, even with difficult preparations
E677 L: Up to ca. 27 watts at 3.5 bar with MULTIflex Gauge Pressure	
Ergonomic KaVo 100°/19° head-knee angle combination	Outstanding ergonomic access and good viewing of the preparation field
Turbine bodies made of very resistant stainless steel	First-class workmanship with special surface (EXPERTgrip) ensures a long working life

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✓ Further advantages can be found on page 26

Made in Germany



KaVo SMARTtorque Turbines

Benefits at a glance



Ceramic bearings
for excellent quiet
work with reduced
vibrations



Thermo-disinfectable
and sterilisable up
to 135° C



4-port spray
with ultra-fine spray
wetting for optimum
cooling



**Glass rod
light conductor**
with up to 25,000 lux
for reliable detection
of the preparation
margins



Small head size
Overall height of 14.5 mm
(standard version) or
12.3 mm (mini version)
for good accessibility
and overview



**KaVo push-button
chuck system**
with a retention power of
up to 30 N for secure
bur retention



Made in
Germany

KaVo SMARTtorque turbines

Feature	Benefit
Drill holding power with up to 30 N	Secure holding power of the drill centric running for precise working Extension of the working life/operating time on account of significantly increased holding power compared to the required norm
KaVo Hightech FG collet chuck with carbide guide bushing	Centric and precise runout by virtue of a hard and precise guide bushing Durability
S619 L, S619 C, S609 C: up to 26 watts performance at 3.0 bar with MULTiflex-Gauge Pressure	Fast and efficient working at high torque, even with difficult preparations
S615 L, S605 C: up to 22 watts performance at 3.0 bar with MULTiflex gauge pressure	
S6195 L, S605 C: Miniature head height 12.3 mm	Perfect for hard-to-reach areas and for the treatment of children and seniors
Different adaptation possibilities on the treatment unit	For direct connection to the 4-hole turbine hose (605 C, 609 C) as well as MULTiflex adaptation (S619 L, S619 C, S615 L)
Ceramic ball bearings	For excellent quiet and low-vibration running
Fully thermodisinfectable and sterilisable to 135 °C	Problem-free hygienic preparation
Proven chrome surface coating	For improved grip and quick manual cleaning
LUX 3 glass rod light guide	for reliable detection of preparation limits



ELECTROmatic System



ELECTROmatic System

Feature	Benefit
Flexible electric motor system	Easy and simple upgrade of dental units which only offer air connections
KL703 motor with 25.000 LUX and a speed range from 100 - 40.000 rpm	Powerful KaVo motor for electric handpieces
4 versions available	Customer can choose the version which fits best to his needs
Touch TFT Colour Display with intuitive user interface	Fast and simple programming
Prep mode	Up to 5 prep speed presets for easy and fast workflow
Endo mode	Preset file systems and customizable file programming
Automatic set up system	Automatic adjustment of system pressure - always best calibration of speed, independent from pressure variations
Flexible installation	Different mounting options
SAFEdrive function	Control function to avoid overheating of instruments
Display screen lock	More safety to avoid unintended parameter change

KaVo Air Scaler



KaVo SONICflex quick 2008 L

Features	Use
Very broad range of indications and use (>50 tips – from prophylaxis to surgery)	The universal genius for almost all of the dentist's and dental hygienist's needs K
Faster tip change thanks to short thread	Improves work effectiveness Saves preparation and implementation time K
Gentle air scaler (ca. 6,000 Hz, oscillating tip movement)	Gentle, substance-friendly use, comfortable treatment for practitioners and patients
Elliptical tip oscillations/ Damping at excessive contact pressure	High patient comfort thanks to almost painless tartar removal
Three performance settings (120 - 160 - 240 µm oscillation amplitude)	Flexible adjustment of the performance according to the indication – from vigorous to gentle / minimally invasive
Compatible with pacemakers	For use in all patients K
KaVo Plasmatec coating with hygienic seal	Perfect holding and excellent hygiene K
Easy attachment, optionally to MULTIflex or Sirona Click 'n go coupling	Flexibility on all treatment units
Tip adaptor available for RKI compliant processing	Hygienic safety

K Exclusively from KaVo **✓** Further details are available in the tip book or here:



Prophylaxis



KaVo PROPHYflex 4

Features	Use
Highly precise, focused powder jet (standard cannula)	Effective and gentle cleaning performance with reduced powder mist K
Just a single handpiece for supragingival and subgingival use: gentle standard cannula, optional power cannula and periodontic tip	Quick adaptation of the handpiece to the desired indication 2-in-1 device
Individually adjustable cleaning performance directly on the handpiece	Working efficiently and gently Powder jets and cleaning with the same instrument
Straight powder duct in the handpiece, KaVo mixing chamber in the cannula	Avoids blockage and simplifies the cleaning by means of standard accessories K
Perfectly balanced and light, 360° rotatable grip sleeve	Comfortable working even on hard-to-reach areas
Individually selectable grip sleeve length	Perfect seat for comfortable posture and fatigue-free treatment K
KaVo powder collection: PROPHYpearls (calcium carbonate), PROPHYflex powder (sodium bicarbonate), PROPHYflex Perio powder (glycine)	Individual powder selection, reliable and gentle elimination of slight or severe discolourations Taste selection according to the patient's preference
Easy attachment, optionally to MULTIflex or Sirona Click 'n go coupling	Flexibility on all treatment units
RKI-compliant preparation	Adaptor portfolio for hygienic safety

K Exclusively from KaVo

Diagnostics



DIAGNOcam Vision Full HD

KaVo DIAGNOcam Vision Full HD

Features	Use
3-in-1 Shot	Comprehensive validity with one click in < one second K
Intraoral images	Initial visual caries diagnosis
Transillumination images	Deep caries thanks to DIFOTI technology
Fluorescence images	Superficial occlusal caries e.g. filling margins
Permanent autofocus	No readjusting necessary, consistently sharp images without having to press a button
Only one tip for the entire workflow	No tip changes, in this manner the 3-in-1 shot is possible K
High diagnostic predictability without x-rays	No ionising radiation, better sensitivity than with x-rays in the non-cavitated early stage; furthermore, children and pregnant women can be diagnosed without X- radiation
Very good image quality in the transillumination mode	Simplified diagnosis thanks to sharper image and DIFOTI technology Early identification of carious lesions as a live image
Highly precise image quality thanks to full HD even without prior tooth cleaning	Simple, fast and easily understood patient communication based on immediately available, high resolution images Image quality is maintained even when the camera is used without prior professional tooth cleaning

K Exclusively from KaVo

KaVo DIAGNOdent pen

Features	Use
Early caries detection with laser fluorescence technology (radiation-free)	Early detection of early stage carious lesions in the occlusal and interproximal area
Detection of interproximal, occlusal and hidden caries as well as of calculus in the periodontal pocket	Immediate acoustic as well as digital depiction on the handpiece display or on a separate DIAGNOdent display
Diagnostic reliability	Immediate real-time depiction without radiation exposure, documented in numerous clinical studies
High level of patient acceptance thanks to understandable values	When information is provided to the patients, values can be consulted and easily communicated
A user friendly instrument with integrated display	Digital display of actual values and maximum value enables simple and precise depiction of the ascertained values
Fits seamlessly into the practice routine	Integration into prophylactic procedures as an additional tool Application directly after professional tooth cleaning
High hygienic standard	Sterilisable sapphire tips and handpiece sleeve ensure hygienic safety
External display for easy patient communication	Clearly visible depiction of the measured values simplifies the patient communication



DIAGNOdent pen

Restoration



RONDOflex plus 360

KaVo RONDOflex plus 360

Features	Use
Air abrasion system with water spray	Water jet binds aluminium oxide particles and reduces powder mist (intraoral and on work surfaces)
Easy MULTIflex adaptation	Immediately ready for use and operable via the unit's foot control No refilling or cleaning of water
High-speed airflow (20 m/sec.)	Faster abrasion ensures shorter treatment time
Increase in the adhesion force between tooth and material	Enlarged total surface area and improved adhesion properties
Scope of delivery with two 110 ° cannulae (0.6 mm / 0.46 mm), accessories two 90 ° cannulae (0.6 mm / 0.46 mm)	Individual adjustment of the working angle and the beam power for a minimally invasive preparation or roughening of surfaces
KaVo RONDOflex powder 27 µm and 50 µm	Easy filling of the powder container from clearly marked bottles with the original KaVo jet medium
Optimal treatment:	Strong adhesive links
Treatment of adhesive surfaces before etching technique	Minimally invasive Almost pain-free and gentle Quiet treatment
Processing of adhesive surfaces for brackets	Treatment of anxious patients
Minimally invasive cavity preparation	
Opening of fissures	
Preparation of restorations	



MASTERsurg LUX Wireless

KaVo MASTERsurg LUX Wireless

Features	Use
Intuitive programming via LCD touch screen	Direct, fast and easy programming (e.g. rotational speed, torque, cooling, instrument choice) with a short expenditure of time thanks to clearly recognisable icons in the display
10 programmes, each with up to 10 individually adjustable treatment steps	On user / implant systems, discretely customisable individual programmes with correspondingly selectable parameters
Wireless foot control	Best operability by virtue of wireless transmission Direct control of work steps Motor rotation direction and pumping capacity via the foot control Completely dismountable for cleaning No tripping hazards for the practitioners
Graphic documentation	Transmission and documentation of work step parameters on a storage medium

[Continued on the next page](#)

KaVo MASTERSurg LUX Wireless

Features	Use
High performance, light surgery motor S600 LED	Torque, adjustable to up to maximally 80 Ncm, with SMARTdrive function for very smooth running
One Touch autocalibration	Highest level of reliability based on guarantee of the selected torque and as additional verification of the instruments
Safe hygiene concept	Highest hygiene standard by virtue of thermodisinfected and sterilisable motor, incl. motor cable
	Pre-assembled hose sets for easy and safe use

KaVo EXPERTSurg LUX

Features	Use
Large, high resolution LCD colour display	Best readability
1 programme with up to 10 individually adjustable treatment steps	Individually customisable treatment steps (e.g. rotational speed, torque, cooling, instrument choice) with corresponding selectable parameters
Intuitive programming via Touch Buttons	Fast and easy programming with a short expenditure of time thanks to clearly recognisable icons on the display
High performance, light surgery motor S600 LED	Torque, adjustable up to maximally 80 Ncm with SMARTdrive function for very smooth running
Precisely adjustable torque on the display	For safe implant surgery without exceeding the approved maximal torque value, with warning function upon reaching 90% of the set value
One Touch autocalibration	Highest level of reliability owing to guarantee of the selected torque and as additional verification of the instruments
Safe hygiene concept	Highest hygiene standard based on thermodisinfected and sterilisable motor, incl. motor cable
	Pre-assembled hose sets for easy and safe use



SURGmatic S15 L Pro

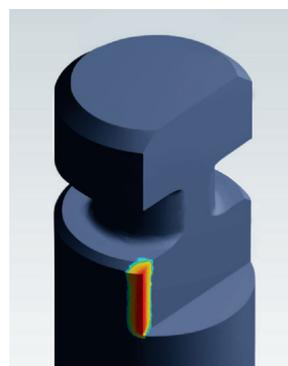
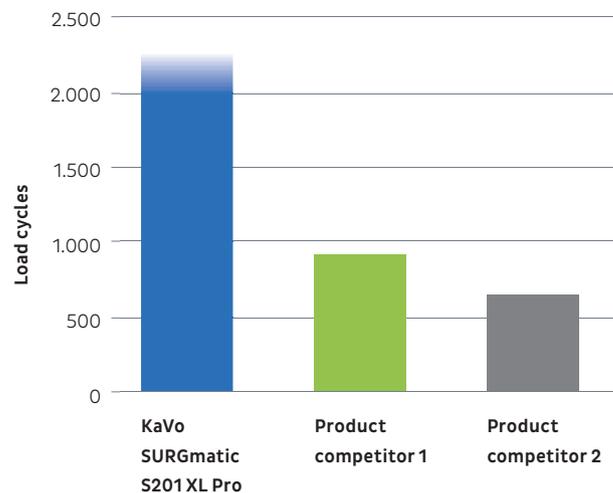
 Made in
Germany

SURGmatic S15 L Pro

Merkmal	Nutzen
1:5 transmission ratio for up to 200.000 revolutions per minute	Suitable for a variety of applications Fast, gentle and efficient treatment thanks to high cutting performance
KaVo CoolHead technology	Actively prevents excessive heating of the head if the push button is pressed accidentally during operation
Modified 3-nozzle spray system	Wetting of different tool lengths More precise and harmonious spray effect Optimal view of the treatment area.
Small head size Light weight Good illumination	Best working conditions and comfortable handling
Ceramic ball bearings made in Germany	Excellent quiet and low-vibration operation
KaVo High-tech FG chuck with carbide guide bush	30 N secure retention power of the bur Centric und precise rotation performance Longevity

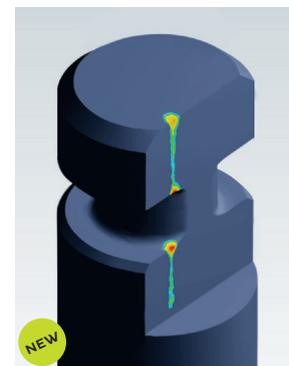
KaVo SURGmatic Pro

Features	Use
S201 XL Pro:	Extreme resilience to 80 Ncm 
With Hexagon clamping system	Safety
Optimised clamping system for preventing jamming tool shafts	Durability
Optimised head toothing and ball bearings	Value retention
Dismountable into head and lower section	
External cooling medium connection	
S201 L Pro:	Resilience to 55 Ncm
Optimised clamping system for preventing jamming tool shafts	Safety
Optimised head toothing and ball bearings	Durability
Dismountable into head and lower section	Value retention
External cooling medium connection	
S11 L	For handpiece drill of standard length of 44.5 mm
	External cooling medium connection
LUX 3 light guide	For safe recognition of the operating area
EXPERTgrip	For improved grip, comfort and hygiene



S201 L and S201 XL:

A high tool edge load can lead to significant deformation. This results in jamming of the clamping system shaft.



S201 L Pro and S201 XL Pro:

Distribution of the torque over a large surface leads to reduced deformation of the tool edge and, in addition, the load is displaced from the shaft edge towards the centre line. In this manner deformations on the shaft are prevented.

Instrument care

QUATTROcare PLUS



KaVo QUATTROcare PLUS

Features	Use
Easiest keystroke operation	Automatic maintenance process
Up to 4 individual instruments are looked after within ca. 1 minute The end of the process is acoustically indicated and displayed on the LED screen	Quick and clear maintenance process K
Stand-alone automatic dosing	Precise metred dosage of oil guarantees the exact amount for optimal maintenance of the KaVo instruments
Assembly of the maintenance station with care adaptors as needed	Flexible assembly
Purging function: In addition, compressed air is applied to and blown through the gear and spray ducts	Any excess remaining oil is removed and the maintenance process is performed down to the smallest detail
Integrated collet chuck care programme	Increased collet holding power, functional reliability and lifespan
Suitable care adaptors for all established manufacturers available as options	Universal applicability

K Exclusively from KaVo

KaVo laboratory drives



ERGOgrip 4944



POWERgrip 4941



K5 plus 4911



Knee control



Foot control



Table control

KaVo control units K-Control TLC

	K-Control TLC
Models	Knee, foot and table versions
Display	4-colour display Easy recognition of the selected programme (rotational speed / torque)
Programmes	4 adjustable programmes (rotational speed / torque) Selectable and programmable via rotational speed push-button
Rotational speed	Preselectable, at 30,000 U / min with safety limit / switch Anticlockwise switchable, according to handpiece, partially limited to 5,000 U / min K-ERGOgrip to 50,000 rotations per / min with anticlockwise rotation as well
Torque	Adjustable limit For gentle material processing
Control of auxiliary devices such as suction	Special control line socket for suction e.g. EXTRAmatic or SMARTair Relay output 12V for further auxiliary devices
Assembly	On standard KaVo hanging rail for knee version
Handpieces	ERGOgrip 4944 POWERgrip 4941 K5plus 4911 K9 (4930 / 960 / 970)

✓ You'll also find this overview in your original KaVo price list

KaVo laboratory drives

KaVo laboratory handpieces

	ERGOgrip 4944	POWERgrip 4941	K5plus 4911
Rotational speed	1,000 - 50,000 revolutions per / min clockwise Anticlockwise to 50,000 revolutions per / min without limit	1,000 - 50,000 revolutions per / min clockwise Anticlockwise to 5,000 revolutions per / min with limit	1,000 - 35,000 revolutions per / min clockwise Anticlockwise to 5,000 revolutions per / min with limit
Torque	Maximum 7.0 Ncm	Maximum 7.0 Ncm	Maximum 4.5 Ncm
Performance	Maximum 160 watts	Maximum 150 watts	Maximum 85 watts
Clamping system	Minimal holding power 100 N tool-free collet chuck replacement	Minimal holding power 70 N change with tools	Minimal holding power 70 N change with tools
Temperature increase under load	Extra-low	Very low	Low
Control	Connectable to control units K-Control TLC (knee, foot, table), or to previous K-Control control units	Connectable to control units K-Control TLC (knee, foot, table), or to previous K-Control control units	Connectable to control units K-Control TLC (knee, foot, table), or to previous K-Control control units
Easy to hold, comfortable surface	Soft grip	Soft grip	Soft grip inlets
Control of auxiliary devices	With K-TLC via 12V relay		
Dimensions	Length: 140 mm Ø: 28 - 38 mm oval for peeling handle Ø: 11 mm stylus position	Length: 165 mm Ø: 25-29 mm oval for peeling handle Ø: 14 mm stylus position	Length: 149 mm Ø: 25 - 28 mm peeling handle Ø: 16 mm stylus position
Weight	Handpiece 202 g Cable 107 g	Handpiece 250 g Cable 105 g	Handpiece 216 g Cable 103 g
Ergonomics	2K-Soft grip shaft Two different and interchangeable ergonomic handles, optimal hand-arm angle	2K-Soft grip shaft Light and flexible handpiece cable	Light and flexible handpiece cable
Serviceability	Few components One-shaft system (only 2 screw joints to replace both ball bearings)	Sling cap and patented sealing system	Few one-shaft components Sling cap system (only 9 individual parts)

 You'll also find this overview in your original KaVo price list

Interaction of KaVo handpieces and control devices

	K-Control TLC 4955, 4956, 4957	K-Control* 4960, 4965, 4970	K4 control units* 4974, 4964, 4954
ERGOgrip 4944	x	x	
POWERgrip 4941	x	x	
K5plus 4911	x	x	
K9 4930/970/960	x	x	
K4plus* 4912			x
SF* 4005		x	
K12* 4940		x	
K11* 4990		x	
K5* 4910		x	
K4* 4914			x

* no longer available

✓ You'll also find this overview
in your original KaVo price list



KaVo ARCUSdigma 3 and articulators



ARCUSdigma 3

KaVo ARCUSdigma 3

Features	Use
Determination of precise setting parameters for the programming of the articulator with the use of the KaVo Transfer Systems (KTS)	Higher denture quality owing to the reduction in possible sources of error K
Wireless system	Ease of use, time savings when assembling the components
Thanks to the KTS the facebow is replaced by a headbow	Simplified and faster workflow More comfortable for the patient
Modular software	Retrofittable, customisable
Easiest data transfer based on KTS	Optimal placement of the models in the articulator K Reduction of the error sources
Jaw-to-jaw relationship module	Support in locating the reproducible centric position
EPA (Electronic Position Analysis) module	Support in the 3-dimensional depiction and the comparison of different temporomandibular joint positions and the corresponding analysis
Function module	Preparation of standardised measuring procedures for movement analyses
Data output for CAD systems	Simplification of the workflow in CAD software using the measured movement tracks
Optimal workflow between ARCUSdigma 3, ARCUSdigma Software Suite and PROTAREvo Digma	Products are optimally matched to one another, synergistic effects can thereby be utilised

K Exclusively from KaVo

KaVo PROTAR®evo

- For every user, and at all times, KaVo offers the right articulator
- All PROTAR®evo articulators function with the same articulator lower section
- For every application area there is a suitable articulator upper section
- The axis-centred KaVo Split Cast even enables the exchange of the articulator upper sections



	Beginners		Premium		High-end	
	PROTAR®evo 2	PROTAR®evo 3	PROTAR®evo 5	PROTAR®evo 5B	PROTAR®evo 7	PROTAR®evo 9
Sagittal condylar path	Fixed 30° to CE 46° to FH	Fixed 30° to CE 46° to FH	Adjustable -26° to 75° (CE) -10° to 90° (FH)			
Horizontal condylar path (Bennett)	Fixed 15°	Fixed 15°	Fixed 15°	Adjustable 0-30°	Adjustable 0-30°	Adjustable 0-30°
Horizontal condylar path (Iss)	0 mm	0 mm	0 mm	0 mm	0-1.5 mm	0-1.5 mm
Horizontal condylar path shift angle	0°	0°	0°	0°	Optional -20° to +20°	0°
Protrusion	-	-	-	-	Adjustable 0-1.5 mm	Adjustable 0-6 mm
Retrusion	-	-	-	-	0-1 mm	0-1 mm
Distraction	-	-	-	-	0-1.5 mm	0-6 mm
Occlusal Corrections	High	High	Medium	Minimum	Minimum	Minimum