

KaVo Instruments





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The products, equipment and services shown and described in this catalogue are not available in all countries. All information provided is correct at the time of going to press.

KaVo highlights

Dental Excellence™ since

1909

With over 2,200 patents and utility models granted, KaVo consistently delivers on its promise of Dental Excellence. We have repeatedly set new standards with our innovations, especially in terms of instruments, and we will continue to exceed expectations.

1909

KaVo is founded in 1909 in Berlin-Steglitz by Alois Kaltenbach with a mission to deliver „quality and precision“.



1922

Development of the first dental instrument: the first sterilisable handpiece, Asepto, is created in 1924.



1977-1980

The MULTIflex coupling sets a worldwide standard and later becomes the MULTIflex LUX system with integrated light.



1989

The SUPERTorque 640 B is born, the first instrument with a robust light rod thanks to the bundling of 3,000 optical fibres.



1970

Introduction of the INTRAMatic coupling, a worldwide standard



1984

SONICflex 2000, the start of a unique air scaling success story that continues to this day



2003

GENTLEpower™, low-vibration operation thanks to new triple-gear technology



2003

INTRA LUX KL 701 motor, the world's smallest dental micromotor of its time



2005

INTRASurg 1000/air, programmable surgical device with a rotating and oscillating action



2008

DIAGNOdent pen, caries detection based on laser fluorescence technology, with no X-rays or mechanical stress



2010

Introduction of MULTI LED™ for perfect lighting and fast, economical switching to LED



2013

MASTERTorque M9000 L with Direct Stop Technology and improved performance



2014

MASTERSurg surgical unit with one-touch calibration and instrument checking



2018

PROPHYflex 4, the first powder jet device based on the mixing chamber principle for targeted work



2019

KaVo Kerr elements e-motion, the innovative Endo-Motor with improved Adaptive Motion feature



- 4 -
KaVo

- 5 -
KaVo

By experts, for experts
KaVo instruments are created from the best materials according to your requirements.

In fact, everything starts with what you need.

The development of a KaVo instrument often begins in dental practices like yours. During numerous technical discussions around the world, we take note of your requirements and suggestions and, from those, derive the features for new KaVo instruments. For example, a refined instrument head size for a better view of your work, easier hygiene and any specific requirements from your specialist area of work: what you come up with sets the goals pursued by our product developers.



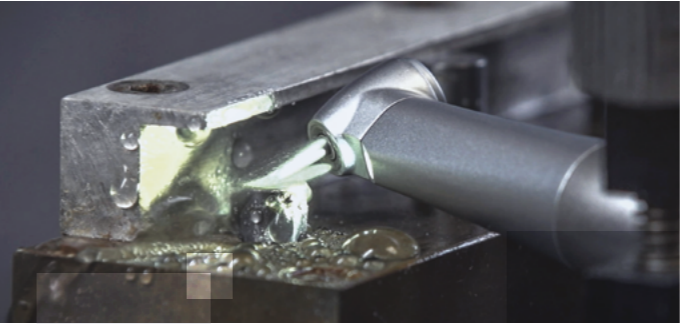
The future is made in Biberach.

To ensure new KaVo instruments not only meet the highest requirements, but also far exceed them, innovations at KaVo are all about teamwork. Specialists in design, development, marketing and sales all work together on-site in Biberach throughout the entire product development phase. Preliminary drawings become 3D data, and initial material samples become final prototypes. Once everyone is satisfied, production tests begin for the KaVo instruments that you will later be thrilled to use every day at your practice.



6 MILL.

instruments sold worldwide
are proof of Dental Excellence.



Test of retention force of the bur
with more than 3 kilograms



KaVo instruments in the endurance test (above) and in one
of the function tests (below)

Tested in Biberach, proven in practice

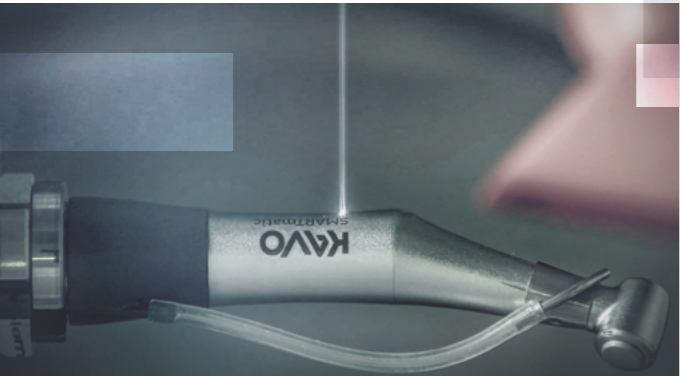
To ensure KaVo instruments can cope with the tough conditions they will face in practice, they have to pass some very rigorous tests. In our development laboratories, we simulate the kind of stress that equipment will encounter during years of use. Can the instrument complete several billion rotations with no problems? Is the retention force at the bur really as high as 30 newtons? Does the turbine still stop in less than a second after being used for the thousandth time thanks to Direct Stop Technology? Once the quality and performance of our instruments is beyond any doubt, pre-production testing is concluded and serial production can begin.

Made in Biberach
Everything is made by us!
Biberach – the home of quality.



Top quality, from the raw material stainless steel (top) to the galvanisation of the surfaces of KaVo instruments

95%
of all parts for KaVo instruments
are produced in Biberach.



Laser inscription of the instruments

11,500 m² space for the narrowest of margins (in the µ range)
Other suppliers still have their head office in Germany, but outsourced their production long ago. KaVo, however, insists on a 100% 'Made in Germany' approach for its instruments. This means all our instruments are made exclusively at the main plant in Biberach. But the most important factor in ensuring the legendary KaVo quality is our 'vertical integration' of at least 95%. This means almost all components (of which there can be up to 50) in a KaVo instrument are also manufactured in Biberach and are therefore subject to the same stringent quality control.

From delivery of the raw materials to the final inspection of the finished instruments, the 400-plus highly qualified employees at the 11,500 m² production facility are focused on the tiniest details. Ultra-precise production, based on tolerances in the µ range (one µ equals 0.001 mm), ensures that you in turn can work with real precision at your practice.

100%
quality, from the raw materials
to the finished instrument.
All from a single source.

Ultra-clean quality inside, dust kept outside
The final assembly of many KaVo instruments is performed in special dust-free rooms. To stop even the smallest dust particle impairing the great quality associated with KaVo, the air is constantly cleaned and purged. Temperature, humidity and air pressure are also kept constant. This is the only way that each individual KaVo instrument can pass its thorough final inspection prior to delivery.



Assembly of the components of a KaVo instrument

400
highly qualified employees ensure
the instruments produced deliver
the quality associated with KaVo.



Quality pays – every single day
KaVo has now sold over 6 million instruments worldwide. This includes the KaVo EXPERTmatic E25 L, which is one of the most successful instruments ever (with over 100,000 units produced). But for KaVo, quality both today and in the future is more important than previous sales figures. And this is why every single instrument undergoes final testing – and a final polish – prior to delivery. So it can make a dazzling impression at your practice for the whole of its working life.

98%
re-purchase rate for
instruments shows just how
satisfied our customers are.



Handpieces, contra-angles and turbines

»» Enthusiasm is
inspired whenever
technology
and **intuition** ««
come together in one.

Dr Klaus Boettcher
Dentist, Hameln





MASTER series

**Enjoy maximum power
with KaVo's most innovative comfort.**

- Best treatment quality
- Maximum treatment comfort
- Highest patient satisfaction

EXPERT series

Rely on advanced KaVo performance.

- Maximum longevity
- Efficient operations
- Reliable features

MASTER series

Enjoy maximum power with
KaVo's most innovative comfort.



Handpieces and contra-angles

Benefits at a glance

- 

Optimum access

thanks to the patented 100°/19° head/knee angle combination
- 

Triple-gear technology

for ultra-smooth operation with minimal vibration
- 

High-tech FG chuck with carbide guide bush

for optimum longevity
- 

Flexibility thanks to exchangeable heads,

for complete versatility and optimum cost effectiveness
- 

Ceramic ball bearings

for excellent quiet and low-vibration operation
- 

Small head size

for easy, efficient access to the preparation area
- 

Plasmatec™ coating

for a perfect grip and excellent hygiene
- 

24-month warranty

for proven quality
- 

3-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
- 

Low volume (only 55 dB(A))

to eliminate unpleasant noises for patients and treatment personnel
- 

Internally channelled, separate coolant

for optimum spray results
- 

Replaceable spray microfilter

for effective and trouble-free spray cooling
- 

KaVo INTRAmatic coupling system

can be used with any treatment unit
- 

KaVo push-button chuck system

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

Thermo-disinfectable

and sterilisable up to 135 °C

Made in Germany



MASTERmatic

Handpieces and contra-angles

1. Best treatment quality
2. Maximum treatment comfort
3. Highest patient satisfaction



MASTERmatic LUX speed-increasing contra-angle M25 L (1:5)
Our best high-speed contra-angle thanks to a reduced head size (H: 13.5 mm; diameter 10.3 mm), patented head/knee angle combination, carbide guide bush, triple-gear technology and replaceable spray filter, 3-port spray, push-button chuck, ceramic ball bearings, low volume (55 dB(A))
Mat. no. 1.009.3630



MASTERmatic LUX speed-increasing contra-angle M05 L (1:5)
Mini head (H: 12.6 mm, diameter 9 mm) for short-shaft burs, triple-gear technology, 1-port spray, with push-button chuck, ceramic ball bearings, head 43% smaller than for GENTLEpower 25 LP, perfect for hard to reach areas and ideal for treating children and the elderly, low volume (55 dB(A))
Mat. no. 1.009.3640



MASTERmatic LUX reducing shank M29 L (7.4:1)
Glass rod light conductor with up to 25,000 lux, for endodontic applications, replaceable spray filter, maximum treatment flexibility with 14 exchangeable heads
Mat. no. 1.009.3580



MASTERmatic LUX handpiece M10 L (1:1)
For straightforward extraoral work, suitable for handpiece and contra-angle burs, no replaceable spray filter
Mat. no. 1.009.3570



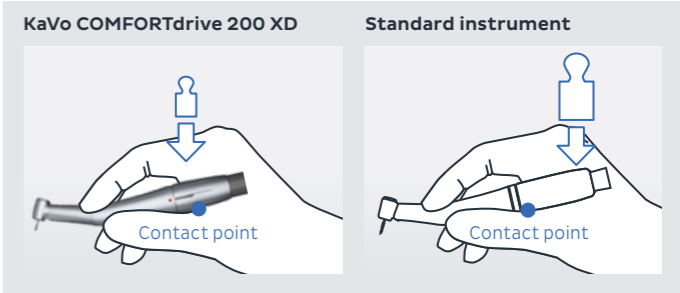
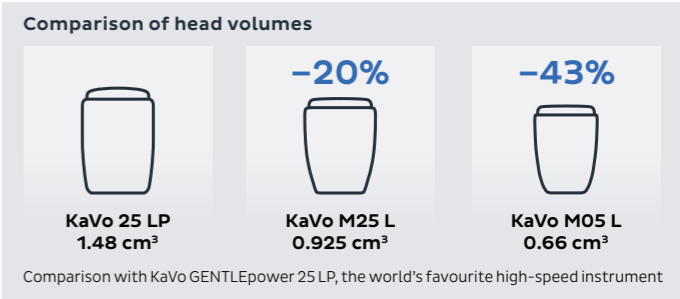
MASTERmatic LUX shank M20 L (1:1)
For cavity and crown preparation, finishing, caries excavation and endodontic treatments using KaVo treatment units, glass rod light conductor with up to 25,000 lux, replaceable spray filter, maximum treatment flexibility with 14 exchangeable heads
Mat. no. 1.009.3620



MASTERmatic LUX reducing shank M07 L (2.7:1)
Glass rod light conductor with up to 25,000 lux, for caries excavation and prophylaxis applications, replaceable spray filter, maximum treatment flexibility with 14 exchangeable heads
Mat. no. 1.009.3610



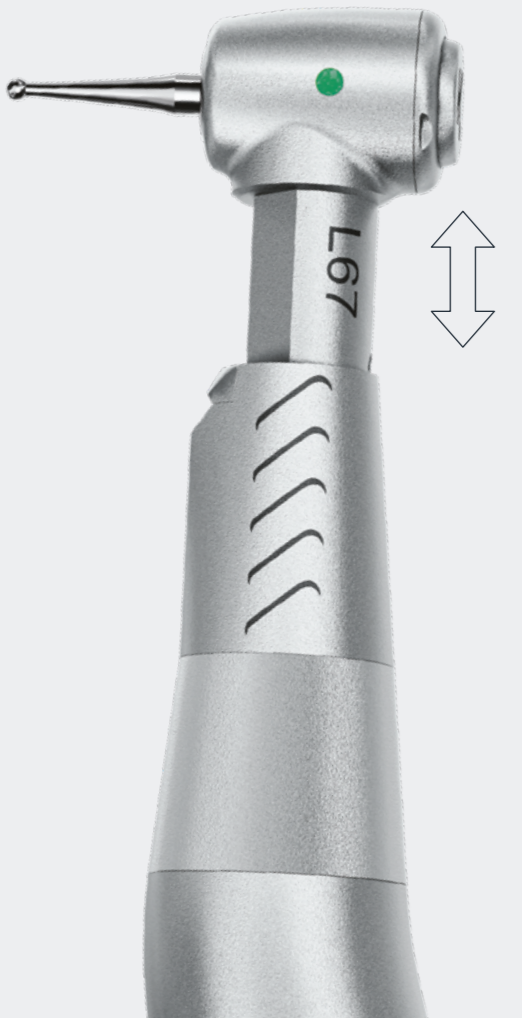
COMFORTdrive contra-angle 200 XD
High-speed contra-angle, very light and versatile, integrated brushless motor, glass rod light conductor, ceramic ball bearings, spray filter replaceable by user, 3-port spray, only suitable for direct connection to KaVo COMFORTbase™, max. drive speed: 200,000 rpm
Mat. no. 1.000.5500



INTRA heads

A total of 14 exchangeable heads for unlimited versatility: a single shank and optimised heads mean almost limitless options for all applications, at lower overall costs and with simpler maintenance processes.

Easy switching:
KaVo INTRA heads fit all
KaVo MASTERmatic shanks.



Standard preparation

M20 L (1:1)



INTRA head L68 (1:1)
With push-button chuck, for contra-angle burs with diameter 2.35 mm, with debris deflector disc and reinforced chuck system, max. operating speed: 40,000 rpm
Mat. no. 1.008.1833



INTRA head L80 (1:1)
With push-button chuck, for turbine burs (FG) with diameter 1.6 mm, max. operating speed: 40,000 rpm
Mat. no. 1.004.4456



INTRA head L68 B (1:1)
With push-button chuck, ball bearings, for contra-angle burs with diameter 2.35 mm, max. operating speed: 40,000 rpm
Mat. no. 1.008.1834

M07 L (2.7:1)



INTRA head L66 B (3:1)
With push-button chuck, ball bearings, for contra-angle burs with diameter 2.35 mm, max. operating speed: 6,600 rpm
Mat. no. 1.008.1831



INTRA Mini head L52 (1:1)
With push-button chuck, for miniature contra-angle burs (length 16 mm), for contra-angle burs with diameter 2.35 mm, max. operating speed: 40,000 rpm
Mat. no. 1.008.1825



INTRA head L67 (2:1)
With push-button chuck, for contra-angle burs with diameter 2.35 mm, with debris deflector disc and reinforced chuck system, max. operating speed: 20,000 rpm
Mat. no. 1.008.1832

Prophylaxis

M07 L (2.7:1)



INTRA Propphy head L31 (2:1)
With thread and knob, for screw-type and snap-on polishing attachments, and multiple seals to prevent ingress of polishing paste, max. operating speed: 7,500 rpm
Mat. no. 1.008.1824



INTRA Endo/Propphy head L53
With push-button chuck, for polishing attachments with contra-angle shaft with diameter 2.35 mm, reciprocating rotation through 60°, max. drive speed: 3,000 rpm
Mat. no. 1.008.1826



INTRA EVA head L61 G
Files rotate freely, with buffered 0.8 mm stroke, e.g. for files made by Intensiv Co., max. drive speed: 20,000 rpm
Mat. no. 1.008.1828



INTRA EVA head L61 R
36 separate locking positions for locking files, with buffered 0.8 mm stroke, e.g. for files made by Intensiv Co., max. drive speed: 20,000 rpm
Mat. no. 1.008.1829

Endodontics

M29 L (7.4:1)



INTRA Endo/Propphy head L53
With push-button chuck, for root canal instruments with contra-angle shaft with diameter 2.35 mm, reciprocating rotation through 60°, max. drive speed: 3,000 rpm
Mat. no. 1.008.1826



INTRA LUX Endo head L3
With push-button chuck, for manual root canal instruments with grip with diameter 3.5–4.0 mm, reciprocating rotation through 60°, max. drive speed: 3,000 rpm
Mat. no. 1.008.1822



INTRA Endo head L3 Y
With push-button chuck, for manual root canal instruments with grip with diameter 3.5–4.0 mm, stroke 0.4 mm, file receptacle rotates 360°, max. drive speed: 3,000 rpm
Mat. no. 1.008.1823



INTRA head L62 (10:1)
With push-button chuck, for contra-angle burs and root canal filler instruments, max. operating speed: 2,000 rpm
Mat. no. 1.008.1830

M20 L (1:1)



INTRA head L68 B (1:1)
With push-button chuck, ball bearings, for root canal instruments with contra-angle shaft with diameter 2.35 mm, max. operating speed: 40,000 rpm, suitable for endo function of the ESTETICA E50 Life and ESTETICA E70/E80 Vision in combination with MASTERmatic M20 L
Mat. no. 1.008.1834



INTRA head L66 B (3:1)
With push-button chuck, ball bearings, for root canal instruments with contra-angle shaft with diameter 2.35 mm, max. operating speed: 6,600 rpm, suitable for endo function of the ESTETICA E50 Life and ESTETICA E70/E80 Vision in combination with MASTERmatic M20 L
Mat. no. 1.008.1831

Surgery

M20 L (1:1)





INTRA Micro head L22 (1:1)
With round bur (size 2), and U-inverted cone bur (size 0), for microsurgery, max. drive speed: 20,000 rpm
Mat. no. 1.008.1835

Turbines

Benefits at a glance

-  **Optimum access**
thanks to patented 100°/19° head/knee angle combination
-  **Ceramic ball bearings**
for excellent quiet and low-vibration operation
-  **Small head size**
Overall height 13.1 mm (standard version) or 12.1 mm (mini version) for good access and overview
-  **Plasmatec coating**
for a perfect grip and excellent hygiene
-  **24-month warranty**
for proven quality
-  **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
-  **Low volume (only 57 dB(A))**
to eliminate unpleasant noises for patients and treatment personnel
-  **Replaceable spray microfilter**
for effective and trouble-free spray cooling
-  **KaVo push-button chuck system**
with a retention power of up to 30 N for secure retention of the bur
-  **Thermo-disinfectable**
and sterilisable up to 135 °C
-  **Direct Stop Technology**
Bur stops in less than one second for greater safety during treatment
-  **Non-return feature**
effectively prevents contaminated debris and aerosol getting inside the housing around the head.
-  **Optimum view**
thanks to offset light and spray outlets
-  **Maximum power**
of up to 23 watts for more efficient work
-  **High-tech FG chuck with carbide guide bush**
for optimum longevity

Maximum power	Minimal head size
 <p>MASTERtorque LUX Maximum power up to 23 watts*, up to 57 dB(A), head height 13.1 mm, 4-port spray M9000 L: <i>Mat. no. 1.008.7900</i> M9000 L chocolate brown: <i>Mat. no. 1.007.9900</i> M9000 L anthracite: <i>Mat. no. 1.007.7100</i></p>	 <p>MASTERtorque Mini LUX Small head: head height 12.1 mm, up to 59 dB(A), for standard and miniature burs, 19 watts of power*, 3-port spray M8700 L: <i>Mat. no. 3.001.0000</i></p>

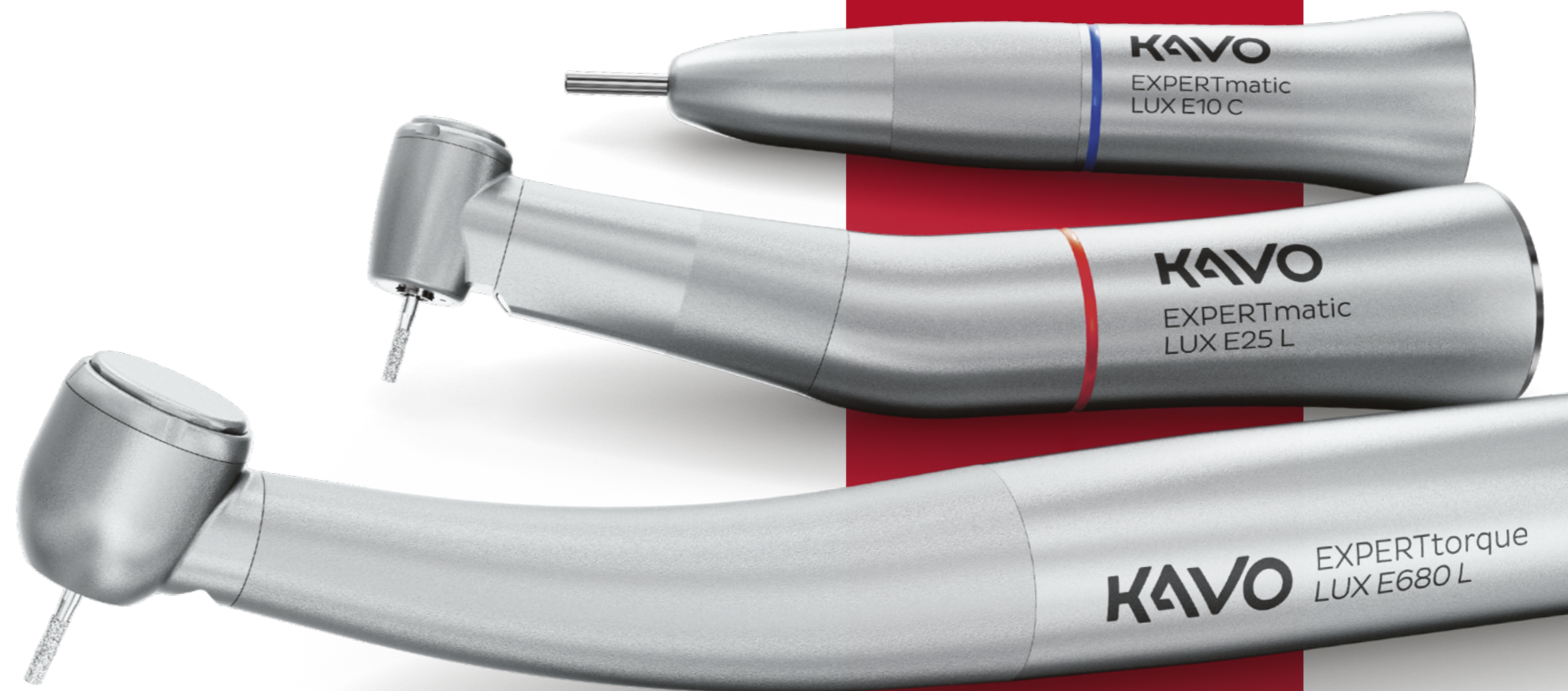
Third-party couplings	
<p>MASTERtorque LUX Like M9000 L, fits Sirona click&go coupling** M9000 LS: <i>Mat. no. 1.008.5400</i></p>	<p>MASTERtorque Mini LUX Like M8700 L, fits Sirona click&go coupling** M8700 LS: <i>Mat. no. 3.001.0600</i></p>

* Power depends on drive pressure and other parameters.

** Registered trademark of Sirona

EXPERT series

Rely on advanced KaVo performance.



Handpieces and contra-angles

Benefits at a glance



High-tech FG chuck with carbide guide bush
for optimum longevity



Ceramic ball bearings
for excellent quiet and low-vibration operation and high-quality, low-wear materials such as a stainless steel head



Small head size
for easy, efficient access to the preparation area



EXPERTgrip™ surface
for fast cleaning and excellent grip



18-month warranty



3-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



Low volume (only 57 dB(A))
to eliminate unpleasant noises for patients and treatment personnel



Internally channelled, separate coolant
for optimum spray results



Replaceable spray microfilter
for effective and trouble-free spray cooling



KaVo INTRAmatic coupling system
can be used with any treatment unit



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



Thermo-disinfectable
and sterilisable up to 135 °C



Handpieces and contra-angles

1. Maximum longevity
2. Efficient operations
3. Reliable features



EXPERTmatic LUX speed-increasing contra-angle E25 L (1:5)

Carbide guide bush, glass rod light conductor with up to 25,000 lux, fast, precise work thanks to small head, flexible latch and ceramic ball bearings, internally channelled spray water and spray air, 3-port spray and replaceable spray filter

Mat. no. 1.007.5550



EXPERTmatic LUX contra-angle E20 L (1:1)

Glass rod light conductor with up to 25,000 lux, efficient access thanks to even smaller head, 1-port spray, internally channelled spray water and spray air, easy to handle thanks to flexible latch

Mat. no. 1.007.5540



EXPERTmatic LUX reducing contra-angle E15 L (5.4:1)

Glass rod light conductor with up to 25,000 lux, efficient access thanks to even smaller head, 1-port spray and internally channelled spray water and spray air, easy to handle thanks to flexible latch

Mat. no. 1.007.5530



EXPERTmatic handpiece E10 C (1:1, without light)

1-port spray, internally channelled spray water and spray air, suitable for both handpiece and contra-angle burs

Mat. no. 1.007.5560



EXPERTmatic prophylaxis contra-angle E31 C (5.4:1, without light)

Keeps out polishing paste thanks to multiple seals, with thread and screw-off holder for screw-type and snap-on cups

Mat. no. 1.008.4998



EXPERTmatic EVA prophylaxis contra-angle E61 C (2.7:1, without light)

For the EVA system (files made by Intensiv Co.), for polishing in interdental spaces, for approximal enamel reduction etc., buffered 0.8 mm stroke, precise locking for files thanks to 36 locking positions

Mat. no. 1.008.4999



EXPERTmatic speed-increasing contra-angle E25 C (1:5, without light)

Carbide guide bush, fast and precise work thanks to even smaller head, flexible latch and ceramic ball bearings, 3-port spray and replaceable spray filter, internally channelled spray water and spray air

Mat. no. 1.007.5551



EXPERTmatic contra-angle E20 C (1:1, without light)

Efficient access thanks to even smaller head, 1-port spray, internally channelled spray water and spray air, easy to handle thanks to flexible latch

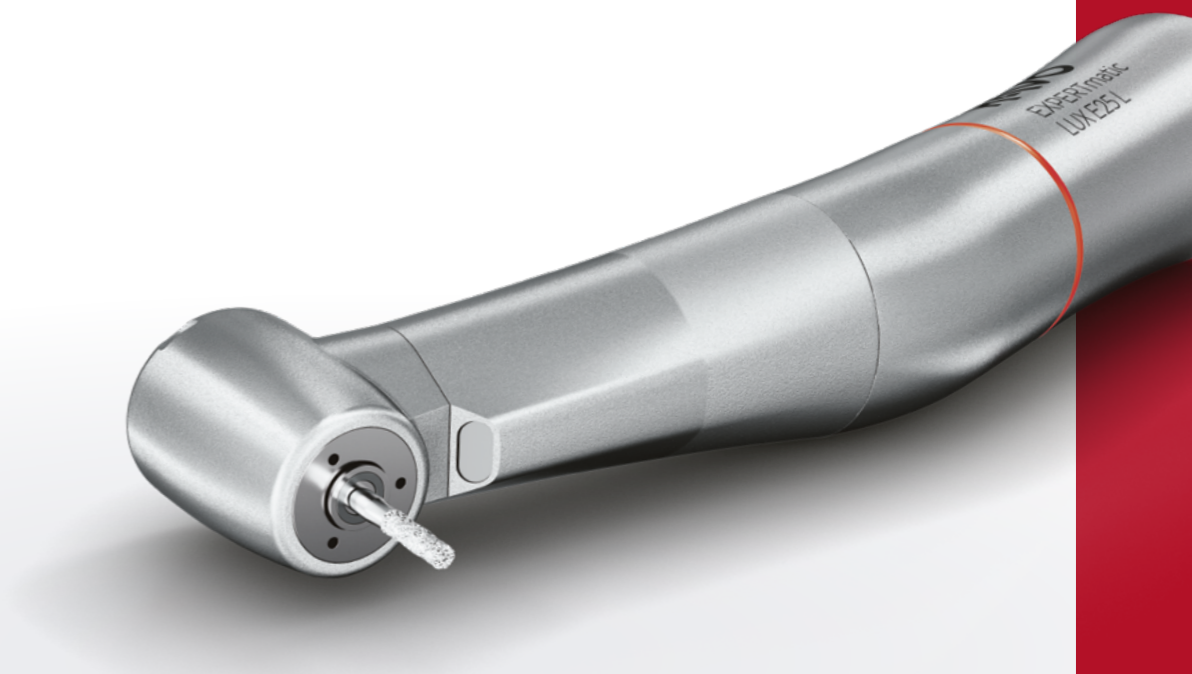
Mat. no. 1.007.5541



EXPERTmatic reducing contra-angle E15 C (5.4:1, without light)

Efficient access thanks to even smaller head, 1-port spray, internally channelled spray water and spray air, easy to handle thanks to flexible latch

Mat. no. 1.007.5531



Turbines

Benefits at a glance



Optimum access
thanks to patented
100°/19° head/knee
angle combination



Ceramic ball bearings
for excellent quiet and
low-vibration operation



Small head size
Overall height 13.6 mm
(standard version) or
12.2 mm (mini version)
for good access
and overview



EXPERTgrip surface
for fast cleaning and
excellent grip



**18-month
warranty**



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



**Low volume
(only 62 dB(A))**
to eliminate unpleasant
noises for patients and
treatment personnel



**Replaceable
spray microfilter**
for effective and
trouble-free
spray cooling



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



**Thermo-
disinfectable**
and sterilisable up to 135 °C



Maximum power
of up to 18 watts for
efficient work



**High-tech FG chuck
with carbide guide bush**
for optimum longevity

High power



EXPERTtorque LUX E680 L

Up to 18 watts of power*,
glass rod light conductor,
4-port spray, head height 13.6 mm,
up to 62 dB(A)
Mat. no. 1.006.8700

Small head size



EXPERTtorque Mini LUX E677 L

Small head: head height 12.2 mm,
for standard and miniature burs,
3-port spray, glass rod light conductor,
15 watts of power*, up to 65 dB(A)
Mat. no. 1.007.3600

Without light



EXPERTtorque E680 C (without light)

Up to 18 watts of power*, 4-port spray,
head height 13.6 mm, up to 62 dB(A)
Mat. no. 1.006.9000

Third-party couplings

EXPERTtorque LUX

like E680 L, fits Sirona click&go
coupling** or NSK FlexiQuik coupling**
E680 LS**: *Mat. no. 1.006.4600*
E680 LN**: *Mat. no. 1.006.4700*

EXPERTtorque Mini LUX

like E677 L, fits NSK FlexiQuik coupling**
E677 LN**: *Mat. no. 1.006.0100*

* Power depends on drive pressure and other parameters.

** Registered trademark of Sirona or NSK

Instruments and more

>> The
easy handling enables
me to treat patients
more
efficiently.<<

Dr Indira Rangel
Dentist, Valencia



Motors

Electric motors



INTRA LUX motor KL 703™ LED

The perfect combination of power and comfort: fatigue-free work thanks to reduced weight and optimum balance. SMARTdrive means the motor is up to speed after just 100 revolutions. Thanks to a brushless motor and a maintenance-free LED light, the motor offers an extremely long service life.



INTRA LUX motor KL 701

Brushless motor, speed range from 2,000 to 40,000 rpm, torque 2.7 Ncm, KaVo MULTI LED replaceable by user, 36-month warranty
Mat. no. 1.001.8776



INTRAmatic L-LUX motor 181L

4-hole LUX connection, speed range from 5,000 to 20,000 rpm, forward and reverse running, sterilisable, INTRAmatic LUX coupling, KaVo high-pressure lamp replaceable by user, 12-month warranty
Mat. no. 0.535.5210



INTRAmatic L-motor 181H

Speed range from 5,000 to 20,000 rpm, 4-hole connection, INTRAmatic coupling, 12-month warranty
Mat. no. 0.535.5200



INTRAmatic L-motor 181M

Speed range from 5,000 to 20,000 rpm, forward and reverse running, sterilisable, for connection to MULTiflex couplings, INTRAmatic coupling, 12-month warranty
Mat. no. 0.535.5250



KaVo Kerr elements e-motion

Your 'safe' bet for better endodontics!

The new KaVo Kerr elements e-motion system combines efficiency and safety: the improved Adaptive Motion feature offers greater cutting power and the new torque limiting feature minimises the risk of files becoming deformed or breaking.

KaVo Kerr elements e-motion was fully developed and manufactured in Germany. The accompanying stainless steel handpiece is made by KaVo. The device, thanks to its user-friendly colour touchscreen interface, is easy to operate – via 5 individually adjustable presettings, each with up to 10 files.

- File system with more than 190 preset files
- New files can be added with name, size, speed and torque and set up individually
- 4 attachment options for handpiece holders

- System includes control, motor and reducing handpiece (8:1), speed range 20–2,500 rpm, torque 0.1–6.0 Ncm
- 12-month warranty

EU: *Mat. no. 815-1712*
UK: *Mat. no. 815-1703*
Eastern Europe: *Mat. no. 815-1702*
(Orderable only via Kerr)

Couplings

Spray adjustment

With light



MULTIflex LED coupling 465 LED
With KaVo MULTI LED, 4-hole LUX connection, spray adjustment ring with locking positions, anti-retraction valve to prevent intrusion of spray water
Mat. no. 1.007.3197



MULTIflex LED coupling 465 LRN
With KaVo high-pressure lamp, 4-hole LUX connection, spray adjustment ring with locking positions, anti-retraction valve to prevent intrusion of spray water
Mat. no. 0.553.1550

Spray adjustment

Without light



MULTIflex coupling 465 RN
With 4-hole standard connection, spray adjustment ring with locking positions, anti-retraction valve to prevent intrusion of spray water
Mat. no. 0.553.1600

Without spray adjustment

Without light



MULTIflex coupling 457
With 4-hole standard connection, without spray adjustment
Mat. no. 0.553.1210

Switching to LED



MULTI LED
Screw in the KaVo MULTIflex 465 LED coupling at the turbine hose or replace the halogen lamp in the KaVo MULTIflex coupling with KaVo MULTI LED and start working with LED light immediately – for a much longer service life than conventional halogen lamps, a colour temperature similar to daylight (5,500 K) and 25,000 lux at the bur tip
Mat. no. 1.007.5372

Special connections



MULTIflex coupling 453 N
With 3-hole standard connection (Borden), anti-retraction valve to prevent intrusion of spray water
Mat. no. 0.553.1610



MULTIflex LUX™ coupling Midwest
Fits Midwest cold light supply, with integrated glass rod light conductor
Mat. no. 0.553.1390



MULTIflex coupling 454 N
With 2-hole standard connection (Borden), anti-retraction valve to prevent intrusion of spray water
Mat. no. 0.553.1620

All MULTIflex couplings come with a 12-month warranty and fit all of the following:

- Turbines
- SONICflex
- CORONAFlex
- PROPHYflex 4
- RONDOflex plus 360
- and many more

SONICflex

The great all-rounder for almost any indication

Thanks to its versatility, the KaVo SONICflex will soon become one of your most frequently used instruments. With more than 50 tips, which are quick and easy to replace with just one turn, it adapts to your requirements across a vast range of applications.

Gentle oscillation,
perfect for patients sensitive to pain

Very broad range of indications and uses
for gentle approaches to treatment

No additional devices necessary,
just attach to the KaVo MULTIflex or Sirona coupling

SONICflex 2000 N

SONICflex handpiece 2000 N, with tip no. 5, without light
Mat. no. 0.571.5020

SONICflex 2003

SONICflex set 2003 L with tips no. 5/6/7, with light
Mat. no. 1.000.8333

SONICflex handpiece 2003 L, with light
Mat. no. 1.000.4243

SONICflex set 2003 with tips no. 5/6/7, without light
Mat. no. 1.000.8334

SONICflex handpiece 2003, without light
Mat. no. 1.000.4246

SONICflex quick 2008

SONICflex quick set 2008 L, with tips no. 5A/6A/7A, with light
Mat. no. 1.007.1604

SONICflex quick handpiece 2008 L, with light
Mat. no. 1.005.9310

SONICflex quick set 2008 LS*, with tips 5A/6A/7A, with light
Mat. no. 1.007.1605

SONICflex quick handpiece 2008 LS*, with light
Mat. no. 1.007.0540

SONICflex quick set 2008, with tips 5A/6A/7A, without light
Mat. no. 1.007.1606

SONICflex quick handpiece 2008, without light
Mat. no. 1.005.9311

SONICflex quick handpiece 2008 S*, without light
Mat. no. 1.007.0541



SONICflex tips

Prophylaxis

Removal of large areas of calculus:

- Scaler tip no. 5 | universal
5: 0.571.5171 / 5A: 1.005.8949
- Scaler tip no. 6 | sickle
6: 0.571.5181 / 6A: 1.005.8950
- Scaler tip no. 7 | perio
7: 0.571.5191 / 7A: 1.005.8951

Removal of supragingival and subgingival calculus:

- Scaler tip no. 8 | perio, extra long
8: 0.571.5371 / 8A: 1.006.1953

Important information regarding material numbers:

XX: Tip for SONICflex 2003/2000 (Long thread)

XXA: Tip for SONICflex 2008 (short thread)

Removal of plaque, cleaning of fissures,
cleaning of cavities and crown preparations:

- Clean tip no. 48
48: 0.571.0401 / 48A: 1.006.1982
- Clean brush no. 1 (5 pcs): 0.571.0402
- Clean brush no. 2 (5 pcs): 0.571.0412
- Clean brush no. 3 (5 pcs): 0.571.0422
- Clean brush no. 4 (5 pcs): 0.571.0432
- Clean brush no. 5 (5 pcs): 0.571.0472
- Clean brush no. 6 (5 pcs): 0.571.0482
- Brush set: 0.571.0001 / A: 1.006.2026

Periodontology

Gentle pocket cleaning up to 9 mm deep:

- For anterior teeth area, smooth surfaces:**
Paro tip no. 60 | long, straight tip, rounded surface
60: 0.571.7402 / 60A: 1.006.1934
- For premolars, molars:**
Paro tip no. 61 | angled tip, left, rounded surface
61: 0.571.7412 / 61A: 1.006.1935
- Paro tip no. 62 | angled tip, right, rounded surface
62: 0.571.7422 / 62A: 1.006.1936
- Paro tip set no. 60 / 61 / 62
Set: 0.571.0371 / Set A: 1.006.2020

Removal of subgingival plaque and calculus around implants:

- Implant set | wedge-shaped tips, single-use plastic head
Set: 1.003.8167 / Set A: 1.006.2027
- Implant refill (30 pcs): 1.003.8168

For difficult to reach furcations, enables access to approximal furcations, even in cases of unbroken lines of dentition:

- Root planer tip no. 24 | contra-angled button, small, left, diamond coating D25
24: 0.571.5621 / 24A: 1.006.1957
- Root planer tip no. 25 | contra-angled button, small, right, diamond coating D25
25: 0.571.5631 / 25A: 1.006.1959

Cleaning of smooth surfaces and concavities:

- Root planer tip no. 26 | universal, button, small, diamond coating D25
26: 0.571.5641 / 26A: 1.006.1961
- Root planer tip no. 27 | universal, button, large, diamond coating D25
27: 0.571.5651 / 27A: 1.006.1963

Minimally invasive

Minimally invasive treatment, for incipient caries:

- Micro tip no. 30 | small hemisphere, mesial, diamond coating D46
30: 0.571.6811 / 30A: 1.006.1969
- Micro tip no. 31 | small hemisphere, distal, diamond coating D46
31: 0.571.6801 / 31A: 1.006.1971
- Micro tip no. 32 | large hemisphere, mesial, diamond coating D46
32: 0.571.6831 / 32A: 1.006.1973
- Micro tip no. 33 | large hemisphere, distal, diamond coating D46
33: 0.571.6821 / 33A: 1.006.1975
- Micro tip set no. 30 / 31 / 32 / 33
Set: 0.571.0421 / Set A: 1.006.2023

Bevelling of approximal cavity edges:

- Bevel tip no. 58 | mesial, diamond coating D46
58: 0.571.7392 / 58A: 1.006.1988
- Bevel tip no. 59 | distal, diamond coating D46
59: 0.571.7382 / 59A: 1.006.1990

Minimally invasive preparation of fissures, no pain when opening fissures:

- Seal tip no. 45 | conical, straight tip, diameter 0.5 mm, diamond coating D46
45: 1.000.8323 / 45A: 1.007.1506

Ultra-conservative, sono-abrasive caries excavation, fine:

- Cariex D tip no. 42 | ball, diameter 0.8 mm, diamond coating D64
42: 1.000.7105 / 42A: 1.006.1980
- Cariex D tip no. 43 | ball, diameter 1.2 mm, diamond coating D64
43: 1.000.7167 / 43A: 1.006.1981


Layer-by-layer removal of most carious tissue:

- Cariex TC tip no. 71 | ball, diameter 1.0 mm, hard metal
71: 1.000.7362 / 71A: 1.006.2002
- Cariex TC tip no. 72 | ball, diameter 1.4 mm, hard metal
72: 1.006.2004 / 72A: 1.000.7363


* Fits Sirona click&go coupling — a registered trademark of Sirona

Restoration

Precise preparation of various bevel angles around margins after „rough preparation" with rotary instrument; this enables improved dental restoration:




Prep gold tip no. 49 | mesial, tips with defined bevel angles: lateral 60°, cervical 30°, diamond coating D46
49: 0.571.7212 / 49A: 1.006.1983




Prep gold tip no. 50 | distal, tips with defined bevel angles: lateral 60°, cervical 30°, diamond coating D46
50: 0.571.7222 / 50A: 1.006.1984

Precise preparation of various bevel angles around margins, with gradual angle transitions from cervical to lateral margins:




Prep ceram tip no. 51 | mesial, tips with defined bevel angles: lateral 60°, cervical 75°, diamond coating D46
51: 0.571.7262 / 51A: 1.006.1985




Prep ceram tip no. 52 | distal, tips with defined bevel angles: lateral 60°, cervical 75°, diamond coating D46
52: 0.571.7272 / 52A: 1.006.1986

Perfect adaptation of cavity preparations to the specific processes of CAD/CAM systems:




Prep CAD/CAM tip no. 34 | mesial, lateral 30°, cervical 90°, diamond coating D46
34: 1.002.1984 / 34A: 1.006.1977




Prep CAD/CAM tip no. 35 | distal, lateral 30°, cervical 90°, diamond coating D46
35: 1.002.1986 / 35A: 1.006.1979

Root tip resection

Searching for/locating root canal. Simplifies work associated with retrograde cavity preparation:




Retro tip no. 56 | extremely narrow, cylindrical tip, left, diamond coating D46
56: 0.571.7322 / 56A: 1.006.2040




Retro tip no. 57 | extremely narrow, cylindrical tip, right, diamond coating D46
57: 0.571.7332 / 57A: 1.006.2041

Preparation of root canal, significantly simplified access, even with highly convoluted roots:



Retro tip no. 16 | left, small cylinder, diamond coating D64
16: 0.571.5541 / 16A: 1.006.2036



Retro tip no. 17 | right, small cylinder, diamond coating D64
17: 0.571.5581 / 17A: 1.006.2035

Separation prior to crown preparation, rounding of sharp transitions with the approximal border during cavity preparation, anatomical shaping of approximal surfaces of composite fillings, approximal enamel reduction in relation to orthodontics:



Stripping tip no. 73 | flat, mesial diamond coating D25
73: 1.011.2993 / 73A: 1.011.2994



Stripping tip no. 74 | flat, distal diamond coating D25
74: 1.011.2995 / 74A: 1.011.2996




Shaping tip no. 75 | convex, mesial diamond coating D25
75: 1.011.2997 / 75A: 1.011.2998




Shaping tip no. 76 | convex, distal diamond coating D25
76: 1.011.2999 / 76A: 1.011.3000

Gentle placement of inlays:




Tip set CEM no. 12 | with rounded plastic cap
12: 0.571.5431 / 12A: 1.006.2021
CEM attachment: 0.571.7142

Crown preparation, ideal combination of rotating crown preparation instruments with sonically vibrating tips of similar design:




Chamfer preparation:
Crown prep tip no. 97 | radius, diamond coating D46
97: 1.008.6383 / 97A: 1.008.6384




Shoulder preparation:
Crown prep tip no. 98 | flat, diamond coating D46
98: 1.008.6385 / 98A: 1.008.6386

Preparation of the undercut; axially aligned root canal preparation with minimal bone defects:




Retro tip no. 20 | pear-shaped, small, left, diamond coating D64
20: 0.571.5521 / 20A: 1.006.2037



Retro tip no. 21 | pear-shaped, small, right, diamond coating D64
21: 0.571.5561 / 21A: 1.006.2038


For roots with apices highly inclined towards the buccal cavity:




Retro tip no. 55 | diamond coating D46
55: 0.571.7342 / 55A: 1.006.2039

Surgery


Surgical crown extension without flap creation to restore biological width, for cases involving asymmetrical arcades, gummy smile or loss of biologic width:




Crown extension tip 020 no. 90 | small, straight, exterior diamond-coated (D46)
90: 1.011.3001 / 90A: 1.011.3002



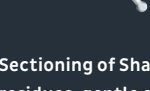
Crown extension tip 020 no. 91 | small, angled, exterior diamond-coated (D46)
91: 1.011.3003 / 91A: 1.011.3004




Crown extension tip 020 no. 92 | small, angled, exterior diamond-coated (D46)
92: 1.011.3005 / 92A: 1.011.3006



Crown extension tip 030 no. 93 | large, straight, exterior diamond-coated (D46)
93: 1.011.3007 / 93A: 1.011.3008




Crown extension tip 030 no. 94 | large, angled, exterior diamond-coated (D46)
94: 1.011.3009 / 94A: 1.011.3010



Crown extension tip 030 no. 95 | large, angled, exterior diamond-coated (D46)
95: 1.011.3011 / 95A: 1.011.3012


Sectioning of Sharpey’s fibres, extension of alveoli, removal of root residues, gentle extraction before implantation, bone splitting:



Bone tip no. 80 | square, cutting
80: 1.004.3875 / 80A: 1.006.2006


Endodontics

Shaping of access cavity, removal of protuberances:




Endo tip no. 66 | button, large, diamond coating D46
66: 1.000.5825 / 66A: 1.006.1992

Widening of larger canals:




Endo tip no. 67 | conical 125°, diamond coating D46
67: 1.000.5822 / 67A: 1.006.1994




Endo tip no. 68 | conical 112°, diamond coating D46
68: 1.000.5823 / 68A: 1.006.1996

Removal of residue from root canal fillings:




Endo tip no. 69 | button, small, diamond coating D46
69: 1.000.5827 / 69A: 1.006.1998

Accessories




Torque wrench:
1.000.4887



Adapter for supply of liquid medicaments:
1.000.6296, A: 1.006.5966


Important information regarding material numbers:
XX: Tip for SONICflex 2003/2000 (Long thread)
XXA: Tip for SONICflex 2008 (short thread)

Preparation of bone window for sinus lift. With very compact bone, where applicable, rotation and sectioning of cortical bone plus removal of remaining bone using the diamond-coated tip:

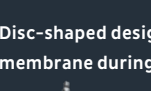


Bone tip no. 81 | ball, large, diamond coating D46
81: 1.004.3876 / 81A: 1.006.2008

Removal of bone blocks, osteotomies (distraction, bone splitting). With extremely thick cortical bone, where applicable, rotation and preparation:




Bone tip no. 83 | saw sagittal
83: 1.004.3878 / 83A: 1.006.2012




Bone tip no. 84 | saw axial
84: 1.004.3879 / 84A: 1.006.2014

Disc-shaped design for safe repositioning of the Schneider membrane during a sinus lift:




Bone tip no. 85 | elephant foot
85: 1.006.0645 / 85A: 1.007.1624

Easy and quick harvesting of large quantities of bone, especially useful for bone augmentation:




Bone tip no. 86 | bone harvester
86: 1.006.0741 / 86A: 1.007.1625

For narrow incisions when cutting ligaments:




Bone tip no. 87 | saw axial, replaceable saw blades, saw blade thickness: 0.15 mm
87: 1.006.1406 / 87A: 1.007.1627
Saw blades (6 pcs): 1.006.1405

For particularly long and wide channels:




Endo tip no. 70 | conical 117°, diamond coating D25, anterior area not diamond-coated
70: 1.000.5821 / 70A: 1.006.2000


For rinsing of root canal, for removal of debris and smear layer as well as enhancing the performance of antibacterial rinsing solution:



Endo clean set I 105° or 75° angle, 1x holder no. 96/96A and 6x endo clean needles 015, 020 and 025 each:
Set: 1.006.2045 / Set A: 1.007.1142
Endo clean holder no. 96
96: 1.008.5163 / 96A: 1.008.5164
Endo clean needles (6 pcs each) for all SONICflex:
015 white: 1.006.2042
020 yellow: 1.006.2043
025 red: 1.006.2044



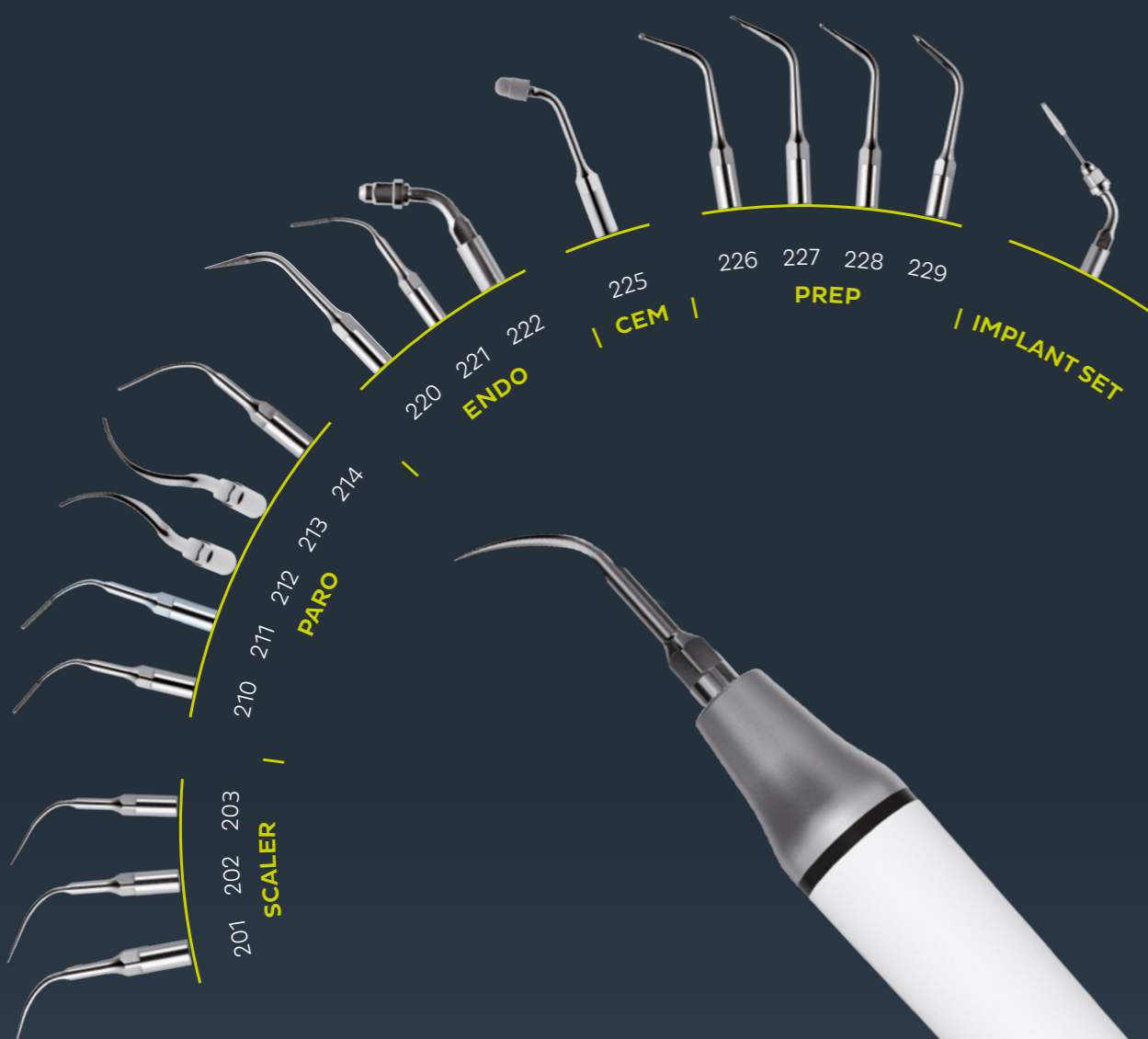
Steri cassette for up to 6 tips:
0.411.9101



Key
0.411.0892

PiezoLED

The high-end ultrasonic scaler from KaVo



PiezoLED

Where strength meets intelligence

- Innovative KaVo CARE Technology with intelligent feedback control and high removal performance
- Fully adjustable to suit individual requirements with various mode settings

- Can be fully integrated into your treatment unit
 - Perfect light quality thanks to circular LEDs
 - Wear indicator card for efficient work
 - Wide range of applications thanks to various tips
- Mat. no. 1.007.3995*

Prophylaxis

PIEZO Scaler tip 201

For removal of supragingival calculus in all quadrants
Mat. no. 1.007.4024

PIEZO Scaler tip 202

For removal of supra- and sub-gingival calculus in all quadrants up to a pocket depth of 4 mm
Mat. no. 1.007.4026

PIEZO Scaler tip 203

For removal of subgingival deposits on root surfaces. Also suitable for deep periodontal pockets and periodontal treatments/check-ups
Mat. no. 1.007.4028

Periodontology

PIEZO Paro tip 210

Diamond-coated tip with 15 µm grain for polishing surfaces after cleaning and forming, for thorough root cleaning in direct line of sight and extension of furcation roofs
Mat. no. 1.007.4039

PIEZO Paro tip 211

Diamond-coated tip with 70 µm grain for thorough root cleaning in direct line of sight, smoothing restoration projections, extension of furcation roofs
Mat. no. 1.007.4042

PIEZO Paro tip 212 + 213

Tips for periodontal debridement, especially suitable for hard to access approximal surfaces (lingual, buccal) and in particular for root furcations
Left-handed (Paro tip 212)
Mat. no. 1.007.4032
Right-handed (Paro tip 213)
Mat. no. 1.007.4033

PIEZO Paro tip 214

Filigree paro tip for rinsing and disinfection of periodontal pockets in all quadrants
Mat. no. 1.007.4034

Preparation

PIEZO Prep tip 226

Diamond-coated preparatory tip with spherical design for opening up small occlusal and buccal defects
Mat. no. 1.007.4035

PIEZO Prep tip 227

Partially diamond-coated preparatory tip with spherical design for chamfering and finishing approximal mesial cavity edges
Mat. no. 1.007.4036

PIEZO Prep tip 228

Partially diamond-coated preparatory tip with spherical design for chamfering and finishing approximal distal cavity edges
Mat. no. 1.007.4037

PIEZO Prep tip 229

Diamond-coated preparatory tip for widening and cleaning fissures prior to sealing
Mat. no. 1.007.4038

Endodontics

PIEZO Endo tip 220

Conical tip with diamond coating (70 µm) for easy location of root canals and removal of calcifications from the coronal third of the root system
Mat. no. 1.007.4040

PIEZO Endo tip 221

Fine cylindrical tip with diamond coating (70 µm) for removing steps and other obstructions
Mat. no. 1.007.4041

PIEZO Endo tip 222

File holder at 120° for flexible use of Piezo Endo files: holder for 5 different stainless steel files for preparation, cleaning and disinfection of the root canal system (ISO 15, 20, 25, 30, 35)
Mat. no. 1.007.4043

PIEZO Endo tip file set: 1.007.4011

Implant cleaning

PIEZO Implant tip set

For removing plaque and calculus from implant surfaces and metal or ceramic restorations, metal-free tip
Mat. no. 1.007.4008

PIEZO Implant refill tip set: 1.007.4014

CEM

PIEZO CEM tip 225

Diamond-coated tip with 15 µm grain for cementing ceramic inlays, onlays and veneers with highly thixotropic, dual-curing composite cements
Mat. no. 1.007.4027

CEM attachment: 1.007.4015

Laboratory
Handpieces for masterpieces



K-ERGOGrip 4944

- High-power laboratory drive offering convenient solutions based on ergonomic and light design
- Short, ergonomic handpiece with 2 grip sleeves
 - 7 Ncm torque
 - Up to 50,000 rpm in both clockwise and anticlockwise direction
 - For all common materials
 - Robust shaft system
 - Easy-to-replace ball bearing
 - Chuck system with 40% higher retention power
 - Various grip sleeves with soft grip
 - Easy-to-clean chuck system
 - For right- and left-handed personnel
- Mat. no. 1.003.7555



K-POWERgrip 4941

- Powerful and low-vibration laboratory drive with minimal running noise
- Max. 7 Ncm torque
 - Up to 50,000 rpm in clockwise and up to 5,000 rpm in anticlockwise direction
 - For all common materials
 - Easy-to-replace ball bearing
- Mat. no. 1.002.2916



K5 plus 4911

- Light and short laboratory drive
- Max. 4.5 Ncm torque
 - Up to 35,000 rpm in clockwise and up to 5,000 rpm in anticlockwise direction
 - Shaft system with just 2 ball bearings, easy to replace
- Mat. no. 1.001.6733

Order numbers for combined packages

	K-Control™ TLC Knee	K-Control TLC Foot	K-Control TLC Table
K-ERGOGrip	Mat. no. 1.005.4206	Mat. no. 1.005.4207	Mat. no. 1.005.4204
K-POWERgrip	Mat. no. 1.007.2082	Mat. no. 1.007.2084	Mat. no. 1.007.2083
K5 plus	Mat. no. 1.009.4244	Mat. no. 1.009.4245	Mat. no. 1.009.4243



Knee control



Foot control



Table control

KaVo K-Control TLC universal control unit with options to suit individual requirements or the space available (table, knee or foot control), easy to replace handpieces thanks to automatic handpiece recognition, knee version can be attached to an existing KaVo K-Control knee hook, safety switch for enabling speeds of over 30,000 rpm, clockwise and anticlockwise rotation, depending on handpiece, of up to 50,000 rpm, 4 storable programs: Save within 4 seconds for a 4-second speed control function, 4-colour display for easy differentiation, quick access to preset speeds and torque by simply pressing the speed control

Articulators

Perfection in motion



The ARCUSdigma measures the movement paths of the temporomandibular joints and the incisal point in real time and represents these in 3D in the software. The data can be used in the PROTAREvo Digma to create the perfect dental prosthesis. All PROTAREvo articulators offer the precision and longevity that KaVo is famous for. Furthermore, they support many specific solutions and provide useful analysis. The ARCUS and ARCUSEvo face bows help record the maxilla in the correct position – quickly, precisely and safely.



ARCUSdigma

Instrument-based functional diagnostics have never been so easy

- The KaVo ARCUSdigma records mandibular movements with speed and precision. The system also supports faster, economical and practical application of specific and therapeutically relevant methods associated with instrument-based functional analysis.
- Temporomandibular joint movements can be recorded with real precision thanks to 4 sensors and 8 microphones.
- No other face bows need to be attached when using the KaVo PROTAREvo Digma articulator for model assembly purposes involving the maxilla.
- Perfect hygiene can be achieved by wiping smooth surfaces with disinfectant in the usual way. No PC keyboard required for operation

ARCUSdigma USB: Mat. no. 1.005.2301

ARCUSdigma SD: Mat. no. 1.005.2300

PROTAREvo

Dental articulators for perfect precision and masterful handling

Dental articulators, from the KaVo PROTAREvo 2 entry-level model to the top-of-the-range PROTAREvo 9, offer a winning combination of perfect precision and masterful handling. With an extensive range of accessories for almost all dental requirements.

PROTAREvo 2: Mat. no. 1.002.3305

PROTAREvo 3: Mat. no. 1.002.3309 (also available without split cast)

PROTAREvo 5: Mat. no. 1.002.3313 (also available without split cast)

PROTAREvo 5b: Mat. no. 1.002.3317 (also available without split cast)

PROTAREvo 7: Mat. no. 1.002.3321 (also available without split cast)

PROTAREvo 9: Mat. no. 1.002.3325 (also available without split cast)

PROTAREvo Digma: Mat. no. 1.005.4121



ARCUS and ARCUSEvo™

KaVo face bows: your patient will thank you for it

- The face bow that records the position of the maxilla in less than 3 minutes – fewer hand movements and no assistance required!
- Minimise occlusal adjustments, particularly when raising and lowering the bite.
- The ARCUSEvo face bow can be fitted to the patient in no time at all by just one person.
- Quick, precise and safe
- The earpieces are designed to allow unrestricted communication with the patient.

ARCUS: Mat. no. 0.622.5000

ARCUSEvo: Mat. no. 1.005.0900

Indications

»» Technology doesn't just
impress
patients.

It engages and inspires
my entire **team.** ««

Dr Panthea Nourian-von Vultée
Dentist, Oral Surgery, Wiesbaden



The entire prophylaxis workflow from a single source: KaVo Kerr World of Smile

From patient preparation to scaling, air polishing, polishing and even diagnostics, KaVo Kerr's perfect solutions are designed to make your entire prophylaxis treatment cycle easy and efficient. So there's a lot for you and your patients to smile about!



Kerr OptiView™ for patient preparation

The Kerr OptiView's flexible 3D design supports fast and comfortable placement and removal. Uniform perioral retraction provides an unobstructed view and free access to the oral cavity. This allows quicker procedures with fewer interruptions, even during longer treatments, and is comfortable for both patients and practitioners.

The KaVo SONICflex for efficient scaling

Regardless of which tip you choose for plaque removal or subgingival cleaning of dental pockets or implants, the KaVo SONICflex offers simple and quick tip replacement, comfortable and tissue-sparing treatment as well as reduced heat build-up and gentle oscillation for any indication. (More on pages 38–41)

The KaVo tooth cleaning system

The PROPHYflex 4, KaVo's new ergonomic and easily adjustable superior cleaning system. Use it with KaVo PROPHYpearls or PROPHYflex Powder and, for subgingival use, with the PROPHYflex Perio Kit and Perio Powder. Give yourself and your patients a reason to beam with happiness, whatever the application. (More on pages 53–55)



KaVo Kerr solutions for tooth polishing

Four KaVo SMARTmatic contra-angles for prophylaxis combined with Kerr Pro-Cup™ for splash-free application of Kerr Cleanic™ Prophy-Paste from practical Prophy Clips: the symbiosis of KaVo and Kerr creates perfect polishing. (More on page 56–57)

The KaVo DIAGNOcam for caries diagnosis

Using the KaVo DIAGNOcam for early caries detection, you can easily take highly precise images by transilluminating the teeth without any need for X-rays. These excellent images increase the acceptance of your treatment plan. (More on pages 58–60)

SONICflex, prophylaxis tips

Important information regarding material numbers:
XX: Tip for SONICflex 2003/2000 (long thread)
XXA: Tip for SONICflex 2008 (short thread)

SONICflex for prophylaxis

Thanks to its numerous tips, SONICflex is a perfect partner for prophylaxis purposes. All the tips available, which can be used for a wide range of indications, can be found on pages 38–41.



Scaler tip no. 5 | universal
5: 0.571.5171 / 5A: 1.005.8949



Scaler tip no. 6 | sickle
6: 0.571.5181 / 6A: 1.005.8950



Paro tip no. 60 | long, straight tip, rounded surface
60: 0.571.7402 / 60A: 1.006.1934



Paro tip no. 61 | angled tip, left, rounded surface
61: 0.571.7412 / 61A: 1.006.1935



Scaler tip no. 7 | perio
7: 0.571.5191 / 7A: 1.005.8951



Scaler tip no. 8 | perio, extra long
8: 0.571.5371 / 8A: 1.006.1953



Paro tip no. 62 | angled tip, right, rounded surface
62: 0.571.7422 / 62A: 1.006.1936



Implant Set | wedge-shaped tips, single-use plastic head
Set: 1.003.8167 / Set A: 1.006.2027
Implant Refill (30 pcs): 1.003.8168

PiezoLED, prophylaxis tips

PiezoLED for prophylaxis

PiezoLED is fully adjustable to suit individual requirements, which also makes it ideal for prophylaxis purposes. An overview of the various tips associated with its broad range of applications can be found on page 42–43.



PIEZO Scaler Tip 201
For removal of supragingival calculus in all quadrants
Mat. no. 1.007.4024



PIEZO Scaler Tip 202
For removal of supra- and subgingival calculus in all quadrants up to a pocket depth of 4 mm
Mat. no. 1.007.4026



PIEZO Scaler Tip 203
For removal of subgingival deposits on root surfaces. Also suitable for deep periodontal pockets and periodontal treatments/check-ups
Mat. no. 1.007.4028

Cleaning powder for subgingival and supragingival treatment

PROPHYpearls, PROPHYflex Powder and PROPHYflex Perio Powder are perfectly suited to the KaVo PROPHYflex 4 and allow for tooth cleaning that is both thorough and gentle.



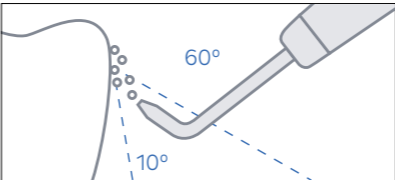
KaVo PROPHYpearls
For an all-round clean and gentle prophylaxis

- Indication: effective elimination of discolouration, plaque and biofilm
- Active ingredient: calcium carbonate with a particle size of 60–70 µm, biodegradable, no salt, sugar or gluten
- Highlights: round shape and a uniform size for optimum cleaning with minimal abrasion, 4 flavours and 2 neutral variants

Sticks (80 pcs per 15 g)
Neutral: Mat. no. 1.010.1826
Mint: Mat. no. 1.010.1828
Peach: Mat. no. 1.010.1829
Orange: Mat. no. 1.010.1830
Blackcurrant: Mat. no. 1.010.1831
Bottles (4 pcs per 250 g)
Neutral: Mat. no. 1.010.1798



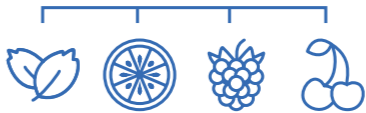
Supragingival



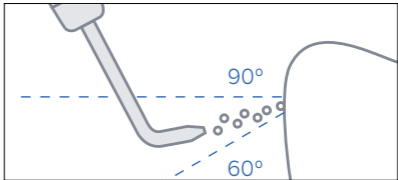
KaVo PROPHYflex Powder
Polishing can be so quick.

- Indication: highly effective elimination of discolouration, plaque and biofilm
- Active ingredient: sodium bicarbonate with a particle size of 60–70 µm, water-soluble
- Highlights: simple, fast and highly effective treatment with 4 flavours

Sticks (80 pcs per 15 g)
Orange: Mat. no. 1.007.0014
Berry: Mat. no. 1.007.0015
Cherry: Mat. no. 1.007.0016
Mint: Mat. no. 1.007.0017



Supragingival



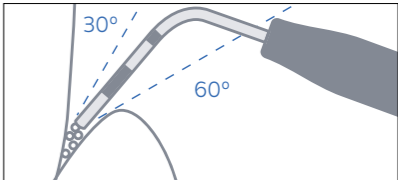
KaVo PROPHYflex Perio Powder
For subgingival and supragingival treatment

- Indication: efficient biofilm management in periodontal pockets and cleaning of crowns, bridges and implants
- Active ingredient: fine glycine powder (18–22 µm), protects gums
- Highlights: very gentle and not too abrasive, suitable for efficient cleaning of pockets as well as supragingival applications on implants

Bottles (4 pcs per 100 g)
Mat. no. 1.009.3732



Subgingival



* Each tip can be reprocessed up to 10 times.
** Use other mat. no. for PROPHYflex 3.

The new KaVo PROPHYflex 4. Perfect ergonomics has never been so flexible ...

Do you want your daily prophylaxis treatments to be easier, quicker, more thorough and even more enjoyable during longer sessions? The new KaVo PROPHYflex 4 ticks all the boxes. It's feather-light, perfectly balanced and ergonomically designed for comfortable working.

Exceptional cleaning and enhanced visibility

Less powder mist thanks to the highly precise powder jet. The narrow shape of the cannula provides good visibility during supragingival cleaning.

Feel good all-round

Work comfortably even in difficult-to-reach places, thanks to the 360°-rotatable grip sleeve.



Wave

Mat. no. 3.002.8000
Mat. no. 3.004.5900*



Lime

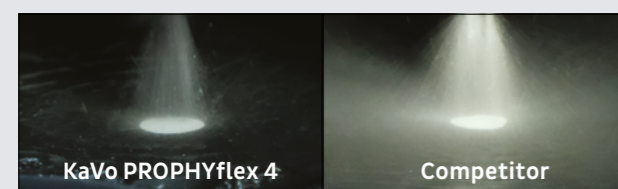
Mat. no. 3.002.8200
Mat. no. 3.004.5930*



Flamingo

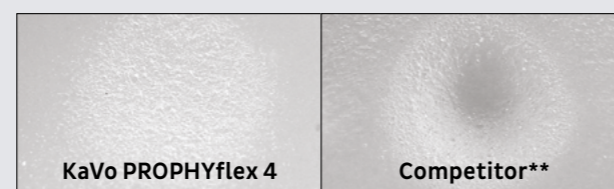
Mat. no. 3.002.8800
Mat. no. 3.004.5950*

Further prospects: less powder mist



You will be delighted with the adjustable powder quantities and constant, focused powder jet which brings precise cleaning performance and minimised powder mist formation, for an optimal hygiene routine.

Tough against stains, gentle to teeth



Evenly distributed energy along the jet surface has two advantages: the more evenly the jet energy is distributed, the more effective the cleaning performance and the greater the protection of the tooth structure.

... and flexibility has never been so comfortable.

Because every hand, every treatment and every patient is different, the KaVo PROPHYflex 4 can be individually adjusted. You decide, whether you're working in subgingival or supragingival regions, whether to eliminate mild or severe discolouration with more or less powder and how long the handpiece should be.

The precise little cannula for pockets

Optional Perio Kit for focused and gentle subgingival treatment as well as cleaning bridges, implants and crowns

Tailored to you

Two grip sleeves with different lengths to fit your hand perfectly

Stay relaxed, work with ease

A super-light, perfectly balanced handpiece with individually adjustable lengths for comfortable handling and stress-free treatment

Safely prepared for everything

Simple filling and secure placement thanks to an even surface. For interruption-free treatment, the powder container can be filled in advance and sealed with a rubber seal which shows the indication.

Three is simply better.

Three levels of adjustment, with the first level for powderless cleaning of the teeth to remove powder residue. Levels 2 and 3 are for individually adjustable cleaning performances depending on the patient and indication.

Finding a connection just got easier.

Choice of KaVo or Sirona connection

* Mat. no. fits Sirona connection.

** PROPHYpearls abrasion compared to a competitor's air polishing device using calcium carbonate. Shown on SonicFill™ composite

Handpieces and contra-angles for prophylaxis

The smart approach to Dental Excellence. With a 70° oscillating rotation direction for low heat development on the tooth surface, the best hold of the polishing paste on the polishing cup and thus no raising of saliva on the polisher – for a clean, effective polish even in the interdental spaces.



**SMARTmatic PROPHY S31
prophylaxis contra-angle (8:1)**
Double-threaded (1-64-UNC and 1-72-UNF) for screw-type polisher / brushes, unscrewable holder for Snap-on polishing applications, max. drive speed: 20,000 rpm, sealing to prevent intrusion of paste
Mat. no. 1.011.6760



**SMARTmatic PROPHY S19
prophylaxis handpiece (8:1)**
For disposable prophylaxis heads, Doriot shaft/clamping system, max. drive speed: 20,000 rpm
Mat. no. 1.011.6740



**SMARTmatic PROPHY S33
prophylaxis contra-angle (8:1)**
70° oscillating rotation direction, holder for Snap-on polishing applications, max. drive speed: 20,000 rpm, sealing to prevent intrusion of paste
Mat. no. 1.011.6800



**SMARTmatic S53 prophylaxis
and endo contra-angle (8:1)**
70° oscillating rotation direction, usable with polishing and endodontic files with shaft diameter 2.35 mm, max. drive speed: 20,000 rpm
Mat. no. 1.011.6810

The KaVo Kerr Prophecy Boxes: three ways to save



**Prophecy Box SMARTmatic
(Orderable only via Kerr)**
1x KaVo SMARTmatic PROPHY Instrument (S31, S33, S53 or S19)
2x Kerr Prophecy Clips
2x Kerr Cleanic Tube Fluoride 100 g
1x Kerr OptiView Standard Kit (2 pcs)
BUN S31 (plus 30x Pro-Cup Screw-type):
Mat. no. 7500
BUN S33 (plus 30x Prophecy Cup Snap-on):
Mat. no. 7501
BUN S53 (plus 30x Pro-Cup Latch-type):
Mat. no. 7502
BUN S19 (plus 144x Prophecy Angles standard cup):
Mat. no. 7503

**Prophecy Box
PROPHYflex 4**
1x KaVo PROPHYflex 4 (Wave, Lime or Flamingo)
1x Kerr OptiView Standard Kit (2 pcs)
1x Kerr OptiView Small Kit (2 pcs)
1x KaVo PROPHYpearls Neutral (80 sticks)
1x KaVo PROPHYpearls Selection (80 sticks)
Prophecy Box PROPHYflex 4 Wave:
Mat. no. 1.013.5078
Prophecy Box PROPHYflex 4 Lime:
Mat. no. 1.013.5079
Prophecy Box PROPHYflex 4 Flamingo:
Mat. no. 1.013.5080



**Prophecy Box Perio
for PROPHYflex 4**
Suitable for the KaVo PROPHYflex 4. Everything for the subgingival treatment in one single package
1x PROPHYflex 4 Perio Kit
1x PROPHYflex Perio Powder
1x Kerr Perio Probe (2 pcs)
Mat. no. 1.013.5081

KaVo DIAGNOcam Light years ahead of caries

Detecting caries early is good. Detecting caries safely is better. KaVo DIAGNOcam combines both. Thanks to the intuitive handling, it is possible to diagnose caries with extreme safety with almost no training at all! Clinically established and proven in practice through millions of recordings.



Product information:

DIAGNOcam with VDDS interface and with multi-user functionality:

Mat. no. 1.001.9000

TWAIN interface:

Mat. no. 1.010.3642

Accessories (included in scope of delivery)

Tip large:

Mat. no. 1.005.1300

Tip small:

Mat. no. 1.005.1360

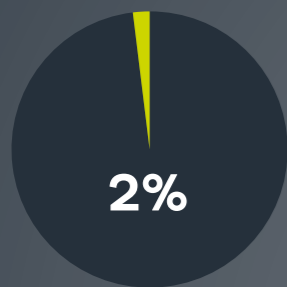
DIAGNOcam holder:

Mat. no. 1.005.1380

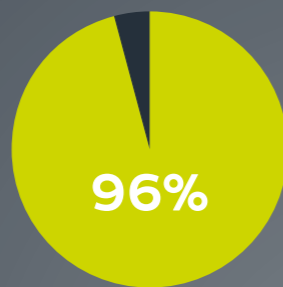
USB extension cable:

Mat. no. 1.005.1076

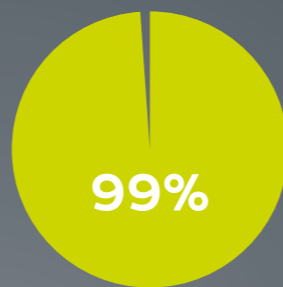
Accuracy of caries detection



Visual inspection



Bitewing radiographs



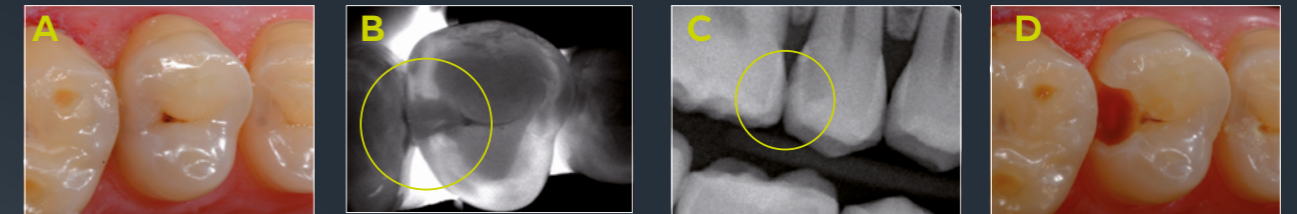
KaVo DIAGNOcam

Precise diagnosis from DIAGNOcam based on: Kühnisch J, Söchtig F, Pitchika V, Laubender R, Neuhaus KW, Lussi A, Hickel R, „In vivo validation of near-infrared light transillumination for interproximal dentin caries detection,” Clinical Oral Investigations, May 2016.

Early caries detection with transillumination

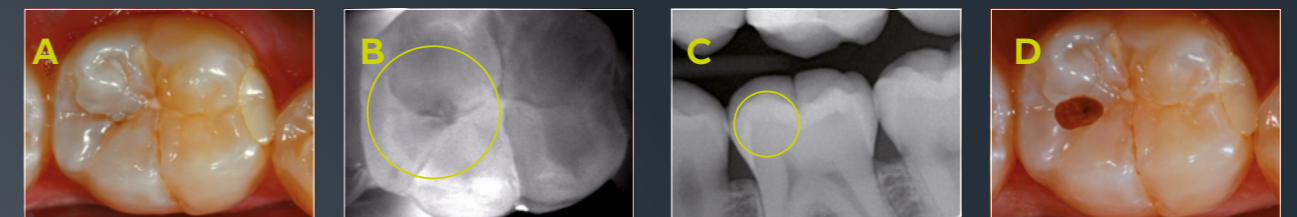
Transillumination uses light waves instead of X-rays. This makes it possible to take shots of coronal dental structures above the gingiva with outstanding brilliance. You can identify caries very early and carry out minimally invasive or even prophylaxis treatment.

Approximal caries diagnostics on an existing premolar



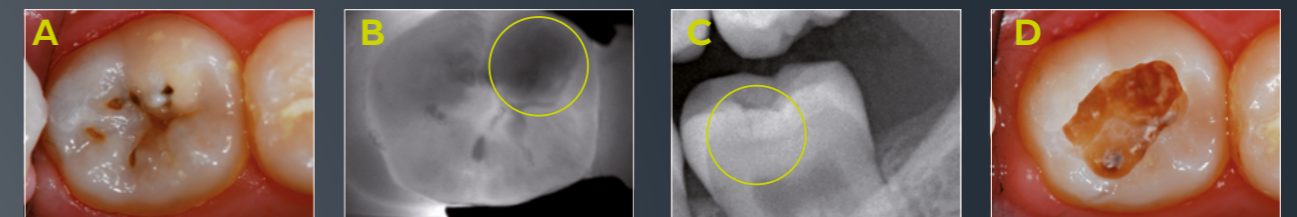
A Apart from some occlusal (brown) discoloration, clinical examination of premolar 15 fails to identify any carious process. The DIAGNOcam image **B**, however, shows extensive distal shadowing, which has already reached the dentine-enamel junction. The bitewing X-ray shot **C** reveals a carious process extending as far as the inner half of the dentine. Both of the lesions diagnosed are confirmed when the carious process is opened as the filling is inserted **D**.

Occlusal caries diagnostics on an existing molar (hidden caries)



A The visual examination of the occlusal surface of tooth 46 does not provide any reliable evidence of caries-related discoloration or the like. The DIAGNOcam image **B** shows some shadowing in the distal section of the central fissure, which also shows up as an area of brightness in the X-ray image **C**. Once opened up, the carious process **D** shows some carious dentine.

Occlusal caries diagnostics on an existing molar (hidden caries)



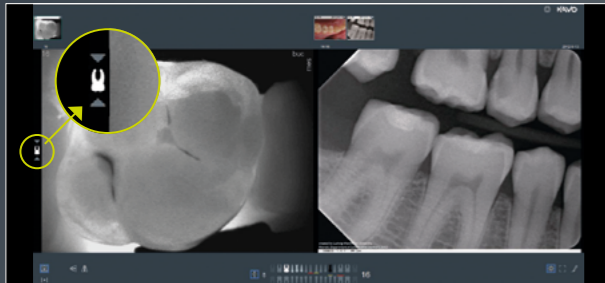
A Tooth 37 shows an established occlusal carious lesion with several localised areas where the enamel is broken. Demineralisation can be seen near the mesiobuccal cusp, which shows up as a dark shadow in the DIAGNOcam image **B**. The corresponding X-ray image **C** shows an advanced dentine lesion. Once the carious process is opened up, as can be seen in image **D**, the active nature of the lesion and the undermining effect of the caries becomes visible.

Extract from the clinical study on the KaVo DIAGNOcam.
Ludwig-Maximilians-University Munich, 2013

The intuitive user interface of the DIAGNOcam software

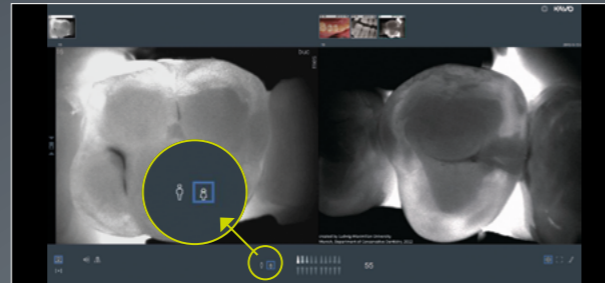
The KaVo DIAGNOcam is designed so that all procedures are intuitive and carried out in a matter of seconds. Integrated functions such as the recording assistant, a clear structure and easy-to-understand symbols make diagnostics almost as easy as recording itself.

Integrated recording assistant



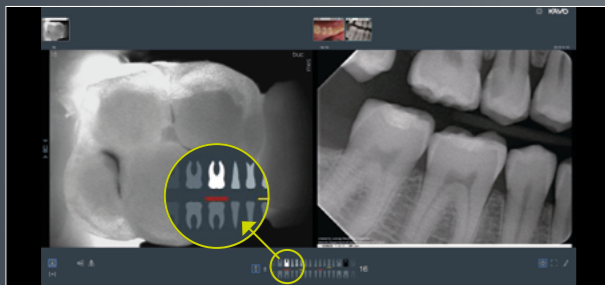
- Arrow keys above and below the tooth symbol show how to best achieve the perfect distance to the tooth.
- The tooth symbol lights up when the optimal recording position is reached.
- Take steady photos or videos via the ring on your KaVo DIAGNOcam.

Tooth and deciduous tooth chart



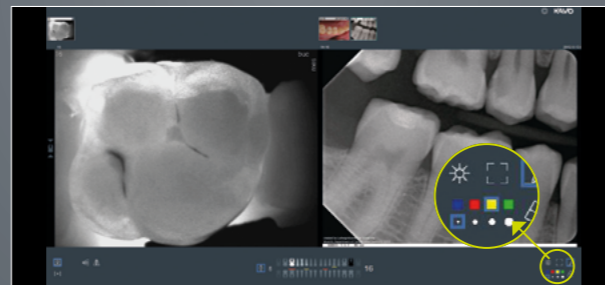
- Select with one click under the recording field.
- Automatic display of tooth chart with respective tooth numbers
- Automatic ordering of recorded teeth for immediate marking of findings

Easy categorisation



- Four categories for quick tooth diagnosis
- Overview of overall situation through signal colours for lesions, monitoring and healthy tooth status, for example, on the tooth/deciduous tooth chart

Highly precise visualisation



- Optimised diagnostics thanks to simple contrast (left/right) and brightness (up/down) adjustment
- Ability to directly mark discovered lesions on tooth images using the pen symbol – for patient conversations that are visibly more convincing

A safe bet for identifying caries



„An outstanding instrument“

Prof. Dr Adrian Lussi, University of Bern

„When combined with clinical evaluation and an assessment of individual factors relating to caries, the values obtained with the DIAGNOdent pen support early identification of caries and diagnosis. Because the values obtained are highly reproducible, the DIAGNOdent pen is an outstanding instrument for tracking the development of lesions at regular check-ups.“

KaVo DIAGNOdent pen

The laser fluorescence technology means early-stage and hidden caries can be identified too.

- Practices worldwide have used over 15,000 devices with success for over 10 years. The gold standard in fluorescence-based caries detection, with add-on services chargeable accordingly
- Scientifically proven, easy to use at any time
- In many cases, the gentle measurement enables microinvasive treatment without unnecessary removal of healthy enamel
- Perfect support for simple and reliable diagnosis
- Fissure with measured value of 0-12 or approximal measured value of 0-7: healthy dental substance
- Fissure with measured value of 13-24 or approximal measured value of 8-15: early demineralisation

- Fissure with measured value above 25 or approximal measured value above 16: significant demineralisation
- Easy to use, with acoustic signals and an easy to read display
- Very pleasant for the patient
- Optimum integration into your workflow
- High-value, low-maintenance solution with significant clinical benefits

DIAGNOdent pen 2190: *Mat. no. 1.002.7000*

DIAGNOdent pen Display 2191: *Mat. no. 1.004.8400*

DIAGNOdent pen sapphire fissure probe: *Mat. no. 1.002.6967*

DIAGNOdent pen sapphire proximal probe: *Mat. no. 1.002.6970*

DIAGNOdent pen sapphire perio probe: *Mat. no. 1.004.0370*

Sterile cassette for DIAGNOdent pen probes: *Mat. no. 1.002.7011*

KaVo ERGOcam One

A small camera with a big reputation.

- Use images with significant depth of field and outstanding colour reproduction to help explain your patients' particular situation to them.
- The significant depth of field means there is no need to focus.
- The easy-to-operate KaVo ERGOcam One gives you the perfect shot whenever you want – a convenient option that really saves you time.
- The shutter release can be triggered by hand or with the foot control on a KaVo treatment unit.
- Control is via the CONEXIO patient communication software.
- Cable length 1.30 m

Mat. no. 1.011.2130



Restoration

From primary, secondary and wall preparation through to finishing:
KaVo Kerr offers you optimum solutions for effective, successful
restorations that will keep your patients smiling.



Restoration

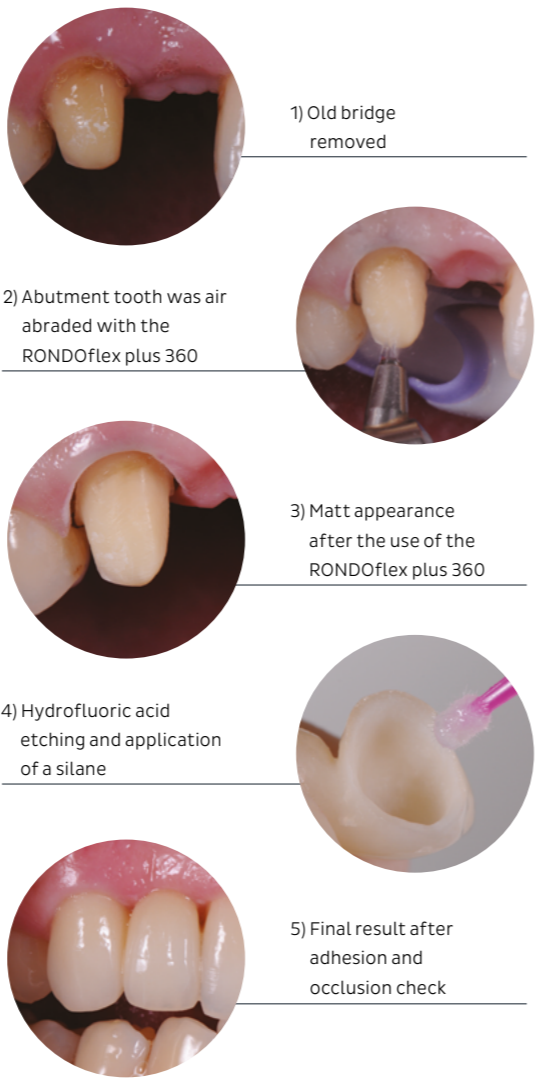
Air abrasion with additional water supply and reduced powder contamination: The following case report demonstrates the use of the RONDOflex plus 360 for enhancing and optimising the adhesion between the restoration and tooth, in a complex clinical situation.

Air abrasion with Al_2O_3 is a method of increasing the retentiveness of the treated surface for subsequent adhesive procedures. The new surface is micro-retentive due to its roughening and has a higher-energy surface, ready for bonding.

The technique is especially suited for pretreating dentine, metal or ceramic surfaces before resin-based adhesives and cements are then applied. The bond strength of orthodontic brackets to air-abraded enamel is greater than for acid etching alone. Air abrasion may also increase the bond strength of self-etching dentine bonding systems to dentine.

The pressure-sprayed alumina particles are well contained within the water spray and are not scattered throughout the mouth or clinical working space. The RONDOflex plus 360 provides its stream of alumina particles within the confines of a concurrent water spray.

The RONDOflex plus 360 connects to the same MULTIflex coupling that an air turbine high-speed handpiece connects to, which further enhances the convenience of the device.



Extract from:
All around solution for minimal invasive cavity preparation
Dr Michael N. Mandikos, prosthodontist, is a visiting specialist to the University of Queensland, Australia, and formerly a Specialist Consultant to the Royal Australian Air Force. He is a reviewer for several international dental journals and a product evaluator for several dental companies. Dr Mandikos regularly presents continuing dental education programmes throughout Australia and South East Asia, and works in a specialist private practice in Brisbane, Australia.

RONDOflex plus 360 Air-abrasion system with spray water for reduced powder aerosol and gentle and relatively pain-free removal of material from the surface of teeth

- Possible applications:**
- Minimally invasive cavity preparation
 - Preparation of adhesive surfaces prior to acid/etching techniques
 - Preparation of adhesive surfaces for braces
 - Preparation of fissure seals
 - Opening and widening of fissures
 - Removal of residual adhesive from bridges, crowns, etc. (extraoral)

Product information:
Comes with 2 cannulas (diameters 0.46 mm and 0.6 mm) as well as 2 powder containers and 2 powder bottles (each 75 g), easy to connect to the KaVo MULTIflex system, 12-month warranty
Mat. no. 1.002.2179

Accessories:
RONDOflex powder 27 μ m to remove less
1,000 g: *Mat. no. 1.000.5957*
RONDOflex powder 50 μ m to remove more
1,000 g: *Mat. no. 1.000.5956*



SMARTmatic S10 (1:1)
For burs with diameter 2.35 mm, max. drive speed: 40,000 rpm
Mat. no. 1.011.6730

CORONaflex System for removing dental prostheses both gently and efficiently

- Possible applications:**
- Loose bridge anchors where re-cementing is required
 - Extraoral repairs of veneers
 - Where endodontic treatment is required
 - Secondary caries
 - Definitive cementing of temporary dental prostheses
 - Fracture of a pontic
 - Correction of poor cementing
 - Changes of veneer colour at the request of the patient

Product information:
CORONaflex handpiece with forceps, small and large clasps (2 pcs of each), loop holder and 2 loops, easy connection to the KaVo MULTIflex system, 12-month warranty
Mat. no. 0.579.1000

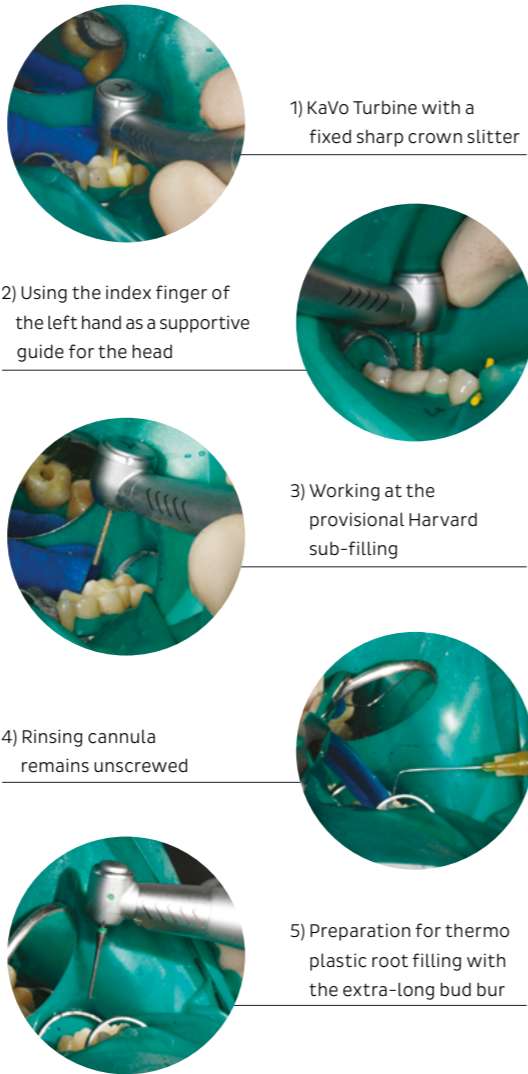


Endodontics

Complex endodontic situations simply managed.
Excerpt from case studies of conservative, adhesive
treatment of teeth in complex, endodontic situations.

As shown in Figure 1, I prefer the KaVo Turbine with a fixed sharp crown splitter for establishing the coronal access opening. I recommend the following trick to reduce the risk of slipping with the crown splitter or diamond when trepanning a hard zirconium oxide crown: simply use the index finger of the left hand as a supportive guide for the head of the turbine (Fig. 2). When the occlusal core is drilled to the level of the provisional Harvard sub-filling, I exchange the turbine head for an extra-long, round-end diamond (Fig. 3). This removes the lateral overhang of the pulp roof but avoids the floor of the pulp chamber for reasons of perforation prophylaxis. For safety reasons, the rinsing cannula remains unscrewed on the disposable syringe (Fig. 4) so that it does not disengage even at high rinsing pressures.

Rhodium-metallised mouth mirrors are ideal for working at high magnification levels, as they come in two sizes (1.5 cm and 2.5 cm) and they can be unscrewed at the handle to be exchanged when they are scratched. The extra-long bud bur remains far enough away from the pulp chamber floor so that the fine structures that are being worked on can be seen in the mirror (Fig. 5).



Excerpt from: Complex endodontic situations simply managed
— from adhesive composite build-up to successful root canal filling
Dr Wolfgang Günsler, dentistry practice. Specialist for endodontics, function and reconstruction, Institute for Advanced Dental Training.

SONICflex, endodontic tips

Important information regarding material numbers:
XX: Tip for SONICflex 2003/2000 (long thread)
XXA: Tip for SONICflex 2008 (short thread)

SONICflex for endodontics

Thanks to its numerous tips, SONICflex is a perfect partner for endodontic purposes. All the tips available, which can be used for a wide range of indications, can be found on pages 38–41.



- | | |
|--|---|
|
Endo tip no. 66 button, large, diamond coating D46
66: 1.000.5825 / 66A: 1.006.1992 |
Endo tip no. 67 conical 125°, diamond coating D46
67: 1.000.5822 / 67A: 1.006.1994 |
|
Endo tip no. 68 conical 112°, diamond coating D46
68: 1.000.5823 / 68A: 1.006.1996 |
Endo tip no. 69 button, small, diamond coating D46
69: 1.000.5827 / 69A: 1.006.1998 |
|
Endo tip no. 70 conical 117°, diamond coating D25, anterior area not diamond-coated
70: 1.000.5821 / 70A: 1.006.2000 |
Endo clean set 105° or 75° angle, 1x holder no. 96 / 96A and 6x endo clean needles 015, 020 and 025 each:
Set: 1.006.2045 / Set A: 1.007.1142

Endo clean holder no. 96
96: 1.008.5163 / 96A: 1.008.5164

Endo clean needles (6 pcs each) for all SONICflex:
015 white: 1.006.2042
020 yellow: 1.006.2043
025 red: 1.006.2044 |

PiezoLED, endodontic tips

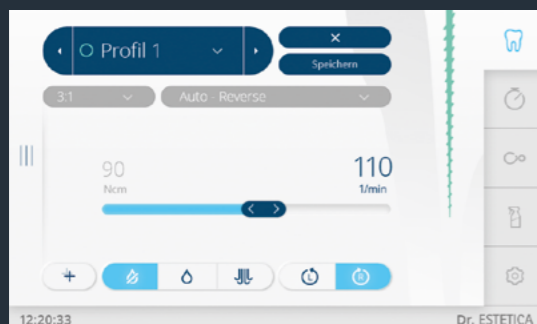
PiezoLED for endodontics

PiezoLED is fully adjustable to suit individual requirements, which also makes it ideal for endodontic purposes. An overview of the various tips associated with its broad range of applications can be found on page 42–43.



- | | | |
|--|---|---|
|
PIEZO Endo Tip 220
Conical tip with diamond coating for location of root canals and removal of calcifications from the coronal third of the root system
Mat. no. 1.007.4040 |
PIEZO Endo Tip 221
Fine cylindrical tip with diamond coating for removing steps and other obstructions
Mat. no. 1.007.4041 |
PIEZO Endo Tip 222
File holder at 120° for flexible use of Piezo Endo files: holder for 5 different stainless steel files (ISO 15, 20, 25, 30, 35)
Mat. no. 1.007.4043 |
|--|---|---|

Integrated endo function


**Endo mode for
KaVo treatment units**

The integrated endo function means there is no need to buy an expensive endodontic device. With 3 modes for file management, you couldn't be better equipped. All important parameters such as speed increase and torque values can be set, called up and saved via the dentist element.


**INTRA head
L68 B (1:1)**

With push-button chuck, ball bearings, for contra-angle burs with diameter 2.35 mm and root canal instruments, suitable for endo function of the ESTETICA E50 Life and ESTETICA E70/E80 Vision
Mat. no. 1.008.1834


**MASTERmatic LUX
shank M20 L (1:1)**

For cavity and crown preparation, finishing, caries excavation and endodontic treatments
Mat. no. 1.009.3620

MASTERmatic and INTRA heads


INTRA Endo head L3 Y

Stroke 0.4 mm, for manual root canal instrument with grip diameter 3.5–4.0 mm
Mat. no. 1.008.1823


INTRA Endo LUX head L3

Reciprocating rotation through 60°, for manual root canal instrument with grip diameter 3.5–4.0 mm
Mat. no. 1.008.1822


INTRA Endo head L53

Reciprocating rotation through 60°, for manual root canal instrument with contra-angle shaft with diameter 2.35 mm.
Mat. no. 1.008.1826


INTRA Endo head L62 (10:1)

For contra-angle burs and root canal filler instruments
Mat. no. 1.008.1830

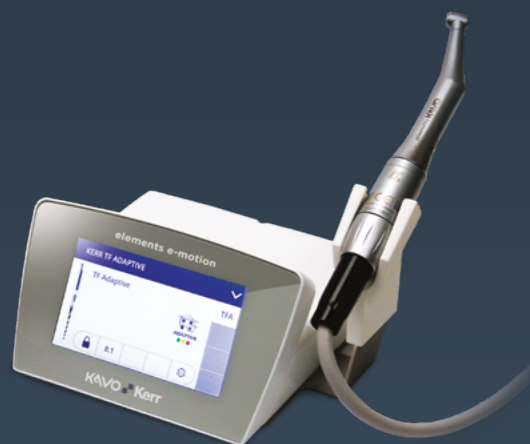

**MASTERmatic LUX
reducing shank M29 L (7.4:1)**

Maximum treatment flexibility with 14 exchangeable heads
Mat. no. 1.009.3580


**SMARTmatic
ENDO S81 (8:1)**

Green contra-angle for endodontics, max. drive speed: 40,000 rpm, for files with a shaft diameter 2.35 mm
Mat. no. 1.011.6780

KaVo Kerr elements e-motion


Your „safe“ bet for better endodontics!

The new KaVo Kerr elements e-motion system combines efficiency and safety: the improved Adaptive Motion feature offers greater cutting power and the new torque-limiting feature minimises the risk of files becoming deformed or breaking.

KaVo Kerr elements e-motion was fully developed and manufactured in Germany. The accompanying stainless steel handpiece is made by KaVo. The device, thanks to its user-friendly colour touchscreen interface, is easy to operate – via 5 individually adjustable presets, each with up to 10 files.

EU: *Mat. no. 815-1712*

UK: *Mat. no. 815-1703*

Eastern Europe | *Mat. no. 815-1702*

(Orderable only via Kerr)

ENDOadvance LUX handpiece NT 120L



The safety – in terms of canal preparation – offered by light, torque limiting and NiTi files makes root canal preparation both easier and safer. Perfect balance of motor, handpiece and hose for the ergonomic usability associated with a stand-alone device

Glass rod light conductor, head angle 100°, Plasmatec coating, perfect access to root canals in molar area too, small head keeps total height low, push-button chuck, for root canal instruments with diameter 2.35 mm, speed reduction 120:1, 4 adjustable torque levels (0.25 Ncm, 0.5 Ncm, 1.0 Ncm, 3.0 Ncm), 12-month warranty
Mat. no. 1.002.4497

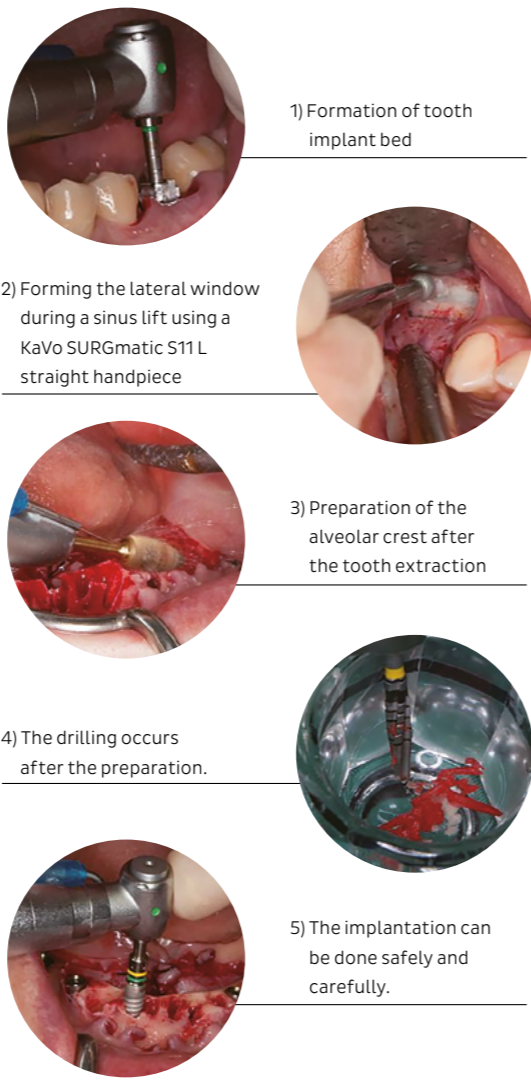
Surgery

In surgical procedures, including implant treatment, a sense of safety regarding the surgical device carries a great deal of weight in terms of being able to concentrate on the surgical procedure.

While working with the KaVo EXPERTsurg LUX, I appreciate the compact design of this device and the foot control, which is also very compact. When performing an implant treatment, the dentist has to check the insertion direction from various positions and this means the position of the foot control has to be changed often. A very helpful feature is that you can move the foot control by hooking it over the top of your foot. This comfort accelerates the procedure and I work with better quality, because I can perform the procedure without distractions. Therefore I can work in a very concentrated manner.

Moreover, the surgery device of KaVo has an engine with an excellent sense of torque and constant rpm. These two features are very important for achieving high quality in dental surgery and implantology.

It is very important to choose a product that is highly reliable and that also has good usability, such as the KaVo EXPERTsurg LUX. It allows you to concentrate more on the procedure and it helps you to easily achieve good results.



Excerpt from:
Customers voice on KaVo EXPERTsurg LUX
by Dr Ryohei Tonotsuka,
Director of the Tonotsuka Dental Clinic Perio-Implant Center in Tokyo

SONICflex, surgical tips

Important information regarding material numbers:
XX: Tip for SONICflex 2003/2000 (long thread)
XXA: Tip for SONICflex 2008 (short thread)

SONICflex for surgery

Thanks to its numerous tips, the SONICflex is a perfect partner for surgery work. All the tips available, which can be used for a wide range of indications, can be found on pages 38–41.



Surgery portfolio

Surgical devices

MASTERSurg LUX Wireless

The KaVo MASTERSurg LUX Wireless surgical device helps you carry out dental interventions at a whole new level. The underlying philosophy is to help you deliver great performance on a daily basis – thanks to convenient features that make a real difference.

- Convenient thanks to the intuitive touchscreen display, the freely positionable wireless foot control and the data documentation feature with a graphic real-time display showing torque for quality control purposes
- Data can be saved to an SD card and transferred to patients' files.
- Can be customised with up to 10 programs, each with 10 freely programmable steps
- Powerful and precise thanks to the S600 LED, one of the world's lightest surgical motors
- Maximum torque: 80 Ncm at the instrument, speed range: 0–40,000 rpm



Mat. no. 1.009.1200
(including INTRA LUX S600 LED, sterile hose set, motor cable and instrument tray)

EXPERTSurg LUX

The surgery system that offers high precision and power for greater safety and reliability. Work safely and with great precision thanks to one of the lightest and smallest micromotors and the unique self-calibration feature. Trust the high power levels available, based on 80 Ncm torque at the instrument, and save time thanks to intuitive programming of your work steps and parameters.

- One-touch self-calibration: you can perform automatic calibration in just a few seconds.
- Intuitive user interface with symbols for instructions and a bright colour display
- Restriction of parameters based on indications
- Navigation during treatment via the foot control
- Freely programmable work sequences and image-based representation of all program steps help simplify the work to be done.



Mat. no. 1.008.3500
(including INTRA LUX S600 LED, sterile hose set, motor cable and instrument tray)

Motor



Surgical motor INTRA LUX S600 LED

- Light and short motor delivering a high level of power
- Ergonomic operation thanks to 28% lighter and 20% shorter motor delivering the same level of power
- All-metal surface
- High power across the entire speed range of 0–40,000 rpm
- Immediate, gentle start
- Motor torque: max. 5.5 Ncm
- Light: 25,000 lux

Mat. no. 1.008.8000

Contra-angles



SURGmatic S201 contra-angles (20:1)

- Removable head, easy to clean
- EXPERTgrip for outstanding grip and easy hygiene
- Small head with internal cooling system as per Kirschner and Meyer
- External cooling via a coolant connection on the head
- Max. torque of 55 Ncm
- Hexagon chuck system for a long service life (instruments with XL/XC added to their name)
- S201 XL/XC contra-angles with optimised toothings at the head and improved ball bearings

S201 L (with light): Mat. no. 1.009.0470
S201 C (without light): Mat. no. 1.009.1100
S201 XL (with hexagon and light): Mat. no. 1.010.2332
S201 XC (with hexagon, without light): Mat. no. 1.010.2333

All handpieces and contra-angles in the surgery portfolio come with a 12-month warranty.

Handpieces and contra-angles with light

MASTER series



SURGmatic handpiece S11 L (1:1)
EXPERTgrip, for handpiece burs with a length of 44.5 mm, can also be used with contra-angle burs, external coolant connection
Mat. no. 1.009.1010



INTRA LUX handpiece CL10 (1:1)
Glass rod light conductor, for handpiece burs with a length of 44.5 mm, external coolant connection
Mat. no. 1.002.0911



INTRA LUX contra-angle (27:1)
Glass rod light conductor, can be dismantled into head and shank, head with internal cooling system (as per Kirschner and Meyer), external coolant connection

CL3-09 | *Mat. no. 1.002.3693*
Consisting of:
INTRA LUX surgical reducing head (3:1)
CL3 | *Mat. no. 1.001.8993*
INTRA LUX surgical shank (9:1)
CL09 | *Mat. no. 1.001.9258*

Handpieces and contra-angles without light

EXPERT series



SURGmatic handpiece S11 C (1:1)
EXPERTgrip, for handpiece burs with a length of 44.5 mm, can also be used with contra-angle burs, external coolant connection
Mat. no. 1.009.1005



INTRA surgical handpiece 3610N1 (1:1)
For handpiece burs with a length of 44.5 mm, external coolant connection, easy to dismantle
Mat. no. 0.524.5600



INTRA surgical handpiece 3610N2 (1:1)
For handpiece burs with a special length of 62.5 mm, external coolant connection, easy to dismantle
Mat. no. 0.524.5610



INTRA surgical handpiece 3610N3 (1:1)
For handpiece burs with a special length of 70.0 mm, external coolant connection, easy to dismantle
Mat. no. 0.524.5620

Hygiene and service

>> For
perfect
hygiene we
rely on proven
efficiency.<<

Dr Danilo Nadalini and Dr Alberto Nadalini
Dentists, Trient



Maintaining the value of KaVo instruments

More than 50% of handpiece and contra-angle failures are caused by improper cleaning and care. With a few tips from us, you will be able to extend the service life of your KaVo instruments and avoid the most common defects.

1. Chuck system

1.1 Rotating instruments with shafts intact

We always recommend that you use burs that are approved by KaVo, otherwise the instrument may suffer significant damage. Damage includes defects involving the chuck system or bur shaft.

1.2 Comply with dimensions for cutters/grinders.

For manufacturer information concerning the length, diameter, shaft shape and max. speed, please refer to the relevant instructions for use.

1.3 Removal of crowns and bridges/separation of crowns

Bur manufacturers offer crown separators to suit different crown materials. Please comply with the speeds recommended by the bur manufacturer. In the case of straight- or cross-toothed crown separators, these are often lower than for diamond-coated crown separators.

1.4 Never leave the bur in the chuck after a treatment.

The chuck should not bear any load when stored, in order to prolong its service life. Storing instruments with burs in can lead to a risk of injury or infection.

1.5 Close the tensioning ring on the handpiece.

Never start operating a straight handpiece while the chuck is open because:

- The straight handpiece blocks.
- The chuck will block.

1.6 Never press the push-button during operation.

Never press or wipe the push-button on the turbine or handpiece/ contra-angle while the instrument is rotating because this may cause:

- Excessive wear and tear on the drive/rotor
- Damage to the push-button/chuck

Never position the push-button close to the patient's cheek. The friction between the push-button and the chuck system generates heat, which may cause burn injuries.

Important note regarding preparation: All information concerning correct preparation can be found in the „Instructions for use“ for the relevant instrument.



2. Ball bearings

Ball bearings must always be lubricated. Using other than original KaVo oils or applying insufficient oil to ball bearings causes excessive wear and tear and may lead to defects. To prevent any secondary damage, replace ball bearings regularly with original KaVo ball bearings.

3. Surgical instruments

Surgical instruments require special treatment. After each use, clean the instrument immediately under lukewarm running water to remove all external soiling. Wherever possible, dismantle the instrument and clean the inside under lukewarm running water as well.

4. Damage after dropping

4.1 Avoiding damage caused by dropping instruments

Visually inspect the instrument at the preparation stage for any changes in order to protect both the instrument and the patient.

4.2 Listen for the click when attaching instruments to the coupling.

The instrument must be heard to click into place on the motor/ turbine coupling. Otherwise, it may not be secure and could fall and be damaged.

5. Disinfection

The instrument must never be immersed in a disinfection/ ultrasonic bath because:

- The ball bearings might be destroyed
- Other technical defects involving the instrument may occur

It is generally advisable to disinfect by wiping. If excessive disinfectant or a non-approved disinfectant is sprayed onto the instrument or the motor/turbine coupling, malfunctions may occur.

6. Care

- Automated care with the QUATTROcare PLUS
- Manual care with KaVo Spray
- Chucks must be treated at least once a week with KaVo Spray or in the QUATTROcare PLUS.

7. Storage

Always use an instrument stand to store instruments after cleaning them (Mat. no.: 3.005.5204). Any excess residual oil will be able to drain away. Otherwise, the instrument may become too hot when used again, leading to further damage to ball bearings.

QUATTROcare PLUS. Good care pays off.

Your instruments will seem as good as new, thanks to the care provided by the QUATTROcare PLUS. The approved care process and just the right amount of oil act like a spa treatment for your instruments. They are lubricated perfectly, and ready to perform again.

KaVo QUATTROcare PLUS 2124 A

3x INTRAMatic short and 1x MULTIflex care coupling, with 1 can of QUATTROcare Plus Spray, care couplings for all the usual competitor instruments available as accessories, 12-month warranty

- Lubrication cycle for 4 instruments lasting just 1 min.
- Program-controlled, automated care process
- Optimum lubrication, thanks to automatic, outlet-specific, metered dosing
- Easy handling prevents erroneous care.
- Compressed-air blasting of transmission system and spray channels, using purging function
- No leakage of residual oil after lubrication has been performed
- Integrated chuck care program
- Basic device complete with four couplings (1x MULTIflex/3x INTRAMatic short)
- Modern and ergonomic design

Mat. no. 1.008.3805



KaVo QUATTROcare Plus Spray

Care spray for use in KaVo QUATTROcare PLUS lubrication devices, environmentally friendly propellant, each contains 500 ml.

Pack. 2140 P (6 cans):

Country-specific Mat. no. 1.005.4525* or 1.011.5720**



* DE, DA, EN, ES, FI, FR, HR, IT, NL, PL, PT, SV, RU

** CS, EL, ET, HU, LT, LV, RO, SK, SL, TR, ZH

KaVo spray portfolio for manual reprocessing of your dental instruments



KaVo CLEANSpray/DRYspray

Cleaning and drying spray for validated intensive manual cleaning of the insides of instruments. Proven by experts to remove residual protein.

Pack. KaVo CLEANSpray 2110 P (4 cans):

Mat. no. 1.007.0579

Pack. KaVo DRYspray 2117 P (4 cans):

Mat. no. 1.007.0580

KaVo CLEAN/DRYspray starter set 2116 P:

Mat. no. 1.007.0573

Accessories:

INTRAMatic adapter (1 pc): Mat. no. 1.007.1776

MULTIflex adapter (1 pc): Mat. no. 1.007.1775

COMFORTdrive adapter (1 pc): Mat. no. 1.007.3350

Cleanpac packaging (10 pcs): Mat. no. 0.411.9691

KaVo Spray

Universal lubrication spray for manual lubrication of KaVo instruments, environmentally friendly propellant, each contains 500 ml.

Pack. 2112 A (6 cans):

Country-specific Mat. no. 0.411.9640* or 1.011.5721**

Accessories:

INTRA spray head (5 pcs): Mat. no. 0.411.9911

MULTIflex spray head (5 pcs): Mat. no. 0.411.9921

COMFORTdrive spray head (1 pc): Mat. no. 1.005.3154

Spray head for NSK turbines (1 pc): Mat. no. 1.005.8436

Spray head for Morita turbines (1 pc): Mat. no. 1.005.8275

Spray head for Sirona turbines (1 pc): Mat. no. 1.005.8365

Cleanpac packaging (10 pcs): Mat. no. 0.411.9691



**Cheaper —
maybe**

**Better —
probably not**



KaVo BOX™ — Original Factory Repair is available in certain countries only.
In all other countries, please contact your authorised KaVo dealer.

Making sure your KaVo instrument remains a KaVo instrument: KaVo Original Service



When a KaVo instrument needs a service, second best is just not good enough. It deserves the best — a KaVo Original Factory Repair. Fitting third-party parts can impair functionality (and therefore any treatment provided) as well as invalidate the KaVo warranty. A KaVo Original Factory Repair means only KaVo Original replacement parts are used. So ensure optimum treatment quality, unbeatable reliability and greater longevity at attractive fixed prices from KaVo.

Benefits of KaVo Original replacement parts:

- Developed, tested and certified by KaVo
- Necessary to ensure top-quality repairs
- Optimum functionality, longevity and safety for patients and users

You know how important quality is when it comes to the KaVo medical devices you use:

- The use of KaVo Original replacement parts guarantees all components work together as efficiently and safely as possible and gives you the security of a factory warranty and an all-round service by KaVo.
- If KaVo medical devices are repaired with third-party replacement parts, this invalidates the KaVo operator licence and the warranty and liability is transferred to the party carrying out the repairs.

You know in advance just how much you can save later: factory repairs at attractive fixed prices!



- 1 Visit www.kavobox.com and select KaVo Original Factory Repair. If you like, you can order an empty KaVo BOX™ up front.



- 2 Place your KaVo products in the KaVo BOX™. UPS® picks up the box automatically the next working day.



- 3 You get your KaVo products back fast, freshly serviced and repaired.

Available in many countries:

our best service for dentists and dental technicians

- KaVo Original Factory Repair direct from us (no third parties)
- Knowledgeable, skilled and highly trained technicians with many years' experience
- Top quality through the use of KaVo Original replacement parts, tools and testing devices
- Fast returns to your practice

Our fixed price, your advantages:

- Attractive fixed prices for almost all imaginable repairs
- Full cost coverage for accepted warranty claims
- Automatic pick-up and delivery of the KaVo BOX™
- 1-year warranty on repairs and replaced parts
- Save time online at www.kavobox.com



Not genuine means genuinely dangerous!
Counterfeit products present a health risk.



With online sales becoming increasingly common, there is a higher risk of people being offered counterfeit dental instruments that are advertised as KaVo Original products but which are actually marked with forged CE markings. Any instruments with counterfeit or non-original replacement parts may prove damaging to health and present a risk to both treatment personnel and patients.


Quality at a glance: how to spot counterfeit instruments!

It can often be difficult to spot counterfeit instruments at first sight because the packaging and labels are only very slightly different. But the technical quality of these fakes differs significantly from the original. Also, counterfeit products violate industrial property rights and the copyright.

Quality comes at a price, but it's fair to say that a fake could prove much more costly in the end.

To prevent potential harm to patients and dentists, we will continue to pursue a hard line against counterfeits. We would also ask you – for your own safety too – to let us know if you notice any instruments being offered which might be counterfeit. Please email us at tm.reporting@kavokerr.com. Many thanks!

You can be sure of getting original KaVo quality from approved KaVo dealers. All addresses can be found at www.kavo.com/kavo-dealers-worldwide

	Packaging	Operating manual	Instrument head	Spray ports	Type plate	Thread
KaVo Original	 Original KaVo tray	 Name and serial number match contents	 Matt, with 4 small notches	 Number of spray ports on a ring	 Type plate with CE markings and correct address	 Original KaVo thread and material quality
Counterfeit (examples)	 Neither key nor tray are from KaVo	 Name and serial number do not match contents	 Shiny, 2 large notches only	 Number of spray ports on 2 rings	 Type plate with no CE markings and a mistake in the street name (Bismarckring)	 Different thread design and material quality

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Dental Excellence in every area



Practice equipment

KaVo treatment units and lights, dental chairs, patient communication systems, dental microscope and additional operatory accessories



Instruments

Dental straight and contra-angle handpieces, turbines, air polishing systems and small equipment for all application areas including diagnosis, prophylaxis, restorative, surgery, endodontics and instrument care



Imaging

Intraoral X-ray equipment, sensors and imaging plate systems, panoramic and cephalometric in combination with CBCT, as well as dedicated CBCT devices for every indication in dentistry



CAD/CAM

Dental CAD/CAM solutions for premium aesthetic, natural-looking and long-lasting restorative work, suitable for dentists and dental technicians

The products, features and services shown and described in this catalogue are not available in all countries. All specifications were correct at the time of publication. KaVo Dental GmbH assumes no liability for deviations in colour or form from the illustrations, mistakes or printing errors and reserves the right to make changes to the brochures at any time. Reprinting, even just of excerpts, is only permitted with the consent of KaVo Dental GmbH.