KaVo Instruments

DENTAL EXCELLENCE
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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

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.

2003
INTRA LUX KL 701 motor, the world’s smallest dental micromotor of its time

2008
DIAGNOdent pen, caries detection based on laser fluorescence technology, with no X-rays or mechanical stress

2013
MASTERtorque M9000 L with Direct Stop Technology and improved performance

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

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.
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.

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.

Test of retention force of the bur with more than 3 kilogrammes.

KaVo instruments in the endurance test (above) and in one of the function tests (below).
Made in Biberach
Everything is made by us!
Biberach — the home of quality.

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

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.

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.

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

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

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.
Handpieces, contra-angles and turbines

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

Dr Klaus Boettcher
Dentist, Hameln
SMART series

Start safe with affordable KaVo quality.
- Made in Germany
- Premium materials
- Entry level price for the world of KaVo

EXPERT series

Rely on KaVo’s advanced performance.
- Maximum longevity
- Efficient operations
- Reliable features

MASTER series

Enjoy maximum power with KaVo’s most innovative comfort.
- Best treatment quality
- Maximum treatment comfort
- Highest patient satisfaction
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
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/tube 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

- **speed-increasing contra-angle M25 L (1:5)**
  - Min. 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

- **speed-increasing contra-angle M25 L (1:5)**
  - 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. 1.009.3620

- **reducing shank M25 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

- **shank M20 L (1:1)**
  - For cavity and crown preparation, finishing, caries excision and endodontic treatments using KaVo treatment units, glass rod light conductor, ceramic ball bearings, low volume (55 dB(A))
  - Mat. no. 1.009.3570

- **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

**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. 7.000.3500

**Comparison of head volumes**

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Head Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>KaVo 25 LP</td>
<td>1.48 cm³</td>
</tr>
<tr>
<td>KaVo M25 L</td>
<td>0.925 cm³</td>
</tr>
<tr>
<td>KaVo M05 L</td>
<td>0.66 cm³</td>
</tr>
</tbody>
</table>

Comparison with KaVo GENTLEpower 25 LP, the world’s favourite high-speed instrument.

-43%  -20%

KaVo 25 LP 1.48 cm³  KaVo M25 L 0.925 cm³  KaVo M05 L 0.66 cm³
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.

<table>
<thead>
<tr>
<th>Standard preparation</th>
<th>M20 L (1:1)</th>
<th>M07 L (2.7:1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRA head L85 (1:1)</td>
<td>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</td>
<td>Mat. no. 1.008.1834</td>
</tr>
<tr>
<td>INTRA head L85 B (3:1)</td>
<td>With push-button chuck, ball bearings, for contra-angle burs with diameter 2.35 mm, max. operating speed: 6,800 rpm</td>
<td>Mat. no. 1.008.1837</td>
</tr>
<tr>
<td>INTRA Mini head L52 (1:1)</td>
<td>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</td>
<td>Mat. no. 1.008.1825</td>
</tr>
<tr>
<td>INTRA head L87 (2:1)</td>
<td>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</td>
<td>Mat. no. 1.008.1832</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prophylaxis</th>
<th>M07 L (2.7:1)</th>
<th>M29 L (7.4:1)</th>
<th>M20 L (1:1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRA Prophy head L31 (2:1)</td>
<td>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</td>
<td>Mat. no. 7.008.1824</td>
<td></td>
</tr>
<tr>
<td>INTRA Endo/Prophy head L53</td>
<td>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</td>
<td>Mat. no. 7.008.1826</td>
<td></td>
</tr>
<tr>
<td>INTRA EVA head L61 L</td>
<td>Files rotate freely, with buffered 0.8 mm stroke, e.g. for files made by Intensiv Co., max. drive speed: 20,000 rpm</td>
<td>Mat. no. 1.008.1823</td>
<td></td>
</tr>
<tr>
<td>INTRA EVA head L61 R</td>
<td>With push-button chuck, for locking files, with buffered 0.8 mm stroke, e.g. for files made by Intensiv Co., max. drive speed: 20,000 rpm</td>
<td>Mat. no. 1.008.1829</td>
<td></td>
</tr>
<tr>
<td>INTRA EVA head L61 G</td>
<td>Files rotate freely, with buffered 0.8 mm stroke, e.g. for files made by Intensiv Co., max. drive speed: 20,000 rpm</td>
<td>Mat. no. 1.008.1823</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Endodontics</th>
<th>M07 L (2.7:1)</th>
<th>M29 L (7.4:1)</th>
<th>M20 L (1:1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRA Endo/Prophy head L53</td>
<td>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</td>
<td>Mat. no. 7.008.1826</td>
<td></td>
</tr>
<tr>
<td>INTRA LUX Endo head L3</td>
<td>With push-button chuck, for manual root canal instruments with grip with diameter 5.5–6.0 mm, reciprocating rotation through 60°, max. drive speed: 3,000 rpm</td>
<td>Mat. no. 1.008.1827</td>
<td></td>
</tr>
<tr>
<td>INTRA Endo head L3 Y</td>
<td>With push-button chuck, for manual root canal instruments with grip with diameter 5.5–6.0 mm, stroke 0.4 mm, file receptacle rotates 360°, max. drive speed: 3,000 rpm</td>
<td>Mat. no. 1.008.1823</td>
<td></td>
</tr>
<tr>
<td>INTRA head L62 (1:1)</td>
<td>With push-button chuck, for contra-angle burs and root canal filler instruments, max. operating speed: 2,000 rpm</td>
<td>Mat. no. 1.008.1830</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surgery</th>
<th>M20 L (1:1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRA head L86 B (3:1)</td>
<td>With push-button chuck, ball bearings, for root canal instruments with contra-angle shaft with diameter 2.35 mm, max. operating speed: 6,000 rpm, suitable for endo function of the ESTETICA E50 Life and ESTETICA E70/E80 Vision in combination with MASTERmatic M20L</td>
</tr>
<tr>
<td>INTRA head L66 B (1:1)</td>
<td>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 M20L</td>
</tr>
<tr>
<td>INTRA head L62 (1:1)</td>
<td>With push-button chuck, for contra-angle burs and root canal filler instruments, max. operating speed: 2,000 rpm</td>
</tr>
<tr>
<td>INTRA Micro head L22 (1:1)</td>
<td>With round-tipped size 2, and U-inverted cone bur (size 0), for microsurgery, max. drive speed: 30,000 rpm</td>
</tr>
</tbody>
</table>

Easy switching
Kavo INTRA heads fit all
Kavo MASTERmatic shanks.
Turbines
Benefits at a glance

- Optimum access thanks to patented 100°/19° head/knee angle combination
- Replaceable spray microfilter for effective and trouble-free spray cooling
- Ceramic ball bearings for excellent quiet and low-vibration operation
- KaVo push–button chuck system with a retention power of up to 30 N for secure retention of the bur
- Small head size Overall height 13.1 mm (standard version) or 12.1 mm (mini version) for good access and overview
- Thermo-disinfectable and sterilisable up to 135 °C
- Direct Stop Technology Bur stops in less than one second for greater safety during treatment
- Plasmatec coating for a perfect grip and excellent hygiene
- Non-return feature effectively prevents contaminated debris and aerosol getting inside the housing around the head.
- Small head size
- Overall height 13.1 mm (standard version) or 12.1 mm (mini version) for good access and overview
- Optimum view thanks to offset light and spray outlets
- Maximum power of up to 23 watts for more efficient work
- Maximum power
- Maximum power up to 23 watts*, up to 57 dB(A), head height 13.1 mm, 4-port spray
- M9000 L: Mat. no. 1.008.7900
- M9000 L chocolate brown: Mat. no. 1.007.9900
- M9000 L anthracite: Mat. no. 1.007.7100
- M9000 LS: Mat. no. 1.008.5400
- M8700 L: Mat. no. 3.001.0600
- M8700 LS: Mat. no. 3.001.0600
- Low volume (only 57 dB(A)) to eliminate unpleasant noises for patients and treatment personnel
- High-tech FG chuck with carbide guide bush for optimum longevity
- Minimum head size
- Minimum head size
- Small head height 12.1 mm, up to 59 dB(A), for standard and miniature burs, 19 watts of power*, 3-port spray
- ** Registered trademark of Sirona
- 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
- Optimum view thanks to offset light and spray outlets
- Maximum power
- Maximum power up to 23 watts*, up to 57 dB(A), head height 13.1 mm, 4-port spray
- M9000 L: Mat. no. 1.008.7900
- M9000 L chocolate brown: Mat. no. 1.007.9900
- M9000 L anthracite: Mat. no. 1.007.7100
- M9000 LS: Mat. no. 1.008.5400
- M8700 L: Mat. no. 3.001.0600
- M8700 LS: Mat. no. 3.001.0600
- * Power depends on drive pressure and other parameters.
- ** Registered trademark of Sirona

Third-party couplings

- MasterTorque LUX Like M9000 L, fits Sirona click&go coupling**
- M9000 LS: Mat. no. 1.008.5400
- MasterTorque Mini LUX Like M8700 L, fits Sirona click&go coupling**
- M8700 LS: Mat. no. 3.001.0600

Made in Germany
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
- 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
- Glass rod light conductor with up to 25,000 lux for reliable detection of the preparation margins
- 3-port spray with ultra-fine spray wetting for optimum cooling
- 18-month warranty
- Glass rod light conductor with up to 25,000 lux for reliable detection of the preparation margins
- Thermo-disinfectable and sterilizable up to 135 °C
Handpieces and contra-angles

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

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

EXPERTtorque Mini LUX E677 L
Small 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

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

EXPERTtorque LUX E680 LS**
Mat. no. 1.006.4600

EXPERTtorque LUX E680 LN**
Mat. no. 1.006.4700

EXPERTtorque Mini LUX E677 LN**
Mat. no. 1.006.0100

* Power depends on drive pressure and other parameters.
** Registered trademark of Sirona or NSK

Third-party couplings

EXPERTtorque LUX like E680 L, fits Sirona click&go coupling** or NSK FlexiQuik coupling**
E680 LS**: Mat. no. 7.006.4600
E680 LN**: Mat. no. 7.006.4700

EXPERTtorque Mini LUX like E677 L, fits NSK FlexiQuik coupling**
E677 LN**: Mat. no. 1.006.2700
SMART series

Start safe with affordable KaVo quality.
Handpieces and contra-angles
Benefits at a glance

100% made in Germany
All instruments are developed and produced exclusively in Germany

Extremely precise ball bearings
for long-lasting smooth operation and a high degree of efficiency

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

Internal spray transmission to the spray clip
for a quick changeover of instruments on all motors

Ceramic slider within the clamping system
for enduring and secure tool holding

High-quality, seamless surfaces
for rapid cleaning and flawless hygiene

Lightweight
for tireless working

Optimum balance
for precise treatment

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

Suitable for all requirements
whether you’re pursuing restorative, endodontics or prophylaxis

KaVo INTRAmatic coupling system
can be used with any treatment unit

Thermo-disinfectable
and sterilisable up to 135 °C

12-month warranty
Handpieces and contra-angles

1. Made in Germany
2. Premium materials
3. Entry level price for the world of KaVo

SMARTmatic S20 S (1:1)
- with external spray
- for burs with shaft diameter 2.35 mm, internal spray transmission to the spray clip
- max. drive speed: 40,000 rpm
- S20 (1) | Mat. no. 1.011.6732
- Also available without spray
- S20 | Mat. no. 1.011.6750

SMARTmatic S10 S (1:1)
- with external spray
- for burs with shaft diameter 2.35 mm, max. drive speed: 40,000 rpm, for straight and contra-angle handpiece drills, internal spray transmission to the spray clip
- S10 S | Mat. no. 1.011.6732
- Also available without spray
- S10 | Mat. no. 1.011.6730

SMARTmatic ENDO S81 (8:1)
- for endodontic files with shaft diameter 2.35 mm, max. drive speed: 40,000 rpm
- S81 | Mat. no. 1.011.6790

SMARTmatic ENDO S321 (32:1)
- for endodontic files with shaft diameter 2.35 mm, max. drive speed: 40,000 rpm
- S321 | Mat. no. 1.011.6790

SMARTmatic PROPHY S31 prophyactic contra-angle (8:1)
- Double-threaded (1-64-UNC and 1-72-UNF) for screw-type polishers / brushes, unscrewable holder for Snap-on polishing applications
- max. drive speed: 20,000 rpm
- Mat. no. 1.011.6760

SMARTmatic PROPHY S19 prophyactic 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 prophyactic 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 S55 prophyactic 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
**Turbinos**

**Benefits at a glance**

- **Ceramic bearings**
  - for excellent quiet work with reduced vibrations

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

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

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

- **12-month warranty**

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**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

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**Fix coupling turbines**

- **SMARTtorque S608 C**
  - (without light)
  - 2-hole standard connector, standard head, 16 watts of power*, ceramic bearings, made in Germany, push-button chuck, 4-port spray Borden
  - Mat. no. 3.001.6560

- **SMARTtorque S609 C**
  - (without light)
  - 4-hole standard connector, standard head, 16 watts of power*, ceramic bearings, made in Germany, push-button chuck, 4-port spray Borden
  - Mat. no. 3.001.6560

- **SMARTtorque Mini S605 C**
  - (without light)
  - 4-hole standard connector, miniature head, 13 watts of power*, ceramic bearings, made in Germany, push-button chuck, 1-port spray Midwest
  - Mat. no. 1.008.1642

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**SMARTtorque S609 C**
- Standard head, 16 watts of power*, ceramic bearings, made in Germany, push-button chuck, 4-port spray Midwest
- Mat. no. 1.008.1642

**SMARTtorque Mini LUX S615 L**
- Miniature head, 13 watts of power*, ceramic bearings, made in Germany, glass rod light conductor, push-button chuck, 1-port spray
- Mat. no. 1.008.1642

**SMARTtorque S619 L**
- Standard head, glass rod light conductor, up to 25,000 lux for reliable detection of the preparation margins
- Mat. no. 1.008.1641

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**SMARTtorque LUX S619 L**
- Standard head, glass rod light conductor, up to 25,000 lux for reliable detection of the preparation margins
- Mat. no. 1.008.1642

**SMARTtorque Mini LUX S615 L**
- Miniature head, 13 watts of power*, ceramic bearings, made in Germany, glass rod light conductor, push-button chuck, 1-port spray
- Mat. no. 1.008.1642

**SMARTtorque S619 C**
- Standard head, 16 watts of power*, ceramic bearings, made in Germany, push-button chuck, 4-port spray
- Mat. no. 1.008.1642

**SMARTtorque Mini S605 C**
- Standard head, 13 watts of power*, ceramic bearings, made in Germany, push-button chuck, 1-port spray Midwest
- Mat. no. 1.008.1642

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* Power depends on drive pressure and other parameters
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.

Brushless motor, speed range from 100 to 40,000 rpm, controlled torque output, max. torque 2.7 Ncm, sterilisable, KaVo MULTI LED replaceable by user, 36-month warranty

Mat. no. 1.007.0150

**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. 1.007.8776

**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 100 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)

**Air motors**

**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, forward and reverse running, sterilisable, for connection to MULTIflex couplings, 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, INTRAmatic coupling, 12-month warranty

Mat. no. 0.535.5250

**INTRA LUX motor KL 701™ 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.

Brushless motor, speed range from 100 to 40,000 rpm, controlled torque output, max. torque 2.7 Ncm, sterilisable, KaVo MULTI LED replaceable by user, 36-month warranty

Mat. no. 1.007.0150

**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. 1.007.8776

**KaVo Kerr elements e-motion**

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EU: Mat. no. 815-1712
UK: Mat. no. 815-1703
Eastern Europe: Mat. no. 815-1702
(Orderable only via Kerr)
**ELECTROmatic**
The conversion kit from air to electrics

Air-to-electric motor conversion kit (controller, tubing, brushless electric motor and fixtures) for any treatment unit. Easy retrofitting of existing air-driven treatment units. It allows the dentist to upgrade to an electric motor and all its advantages within minutes.

**ELECTROmatic Premium/Premium Dual**
Workflow at its best
- All-in-one device with a special prep and endo mode (torque controls)
- 5-speed programs in prep mode with display of speed set, very easy to adjust with a slider
- Integrated endo file database for easy set-up of endo torque and speed settings with different files
- Intuitive handling due to integrated 4.3” TFT colour touchscreen display
- Vivid colour touch display with speed slider for fast set-up
- Touchscreen with Dragontrail® glass, six times harder than glass and easy to clean
- System shows real bur speed when selected gear ratio of handpiece is set
- The Dual Motor System allows a complete new workflow with preset high- and low-speed handpieces and burs. No further exchanging of the handpiece is necessary
- Dimensions: 150 x 135 x 76 mm
- Standard tube 1,750 mm (long tube 2,200 mm available)

**ELECTROmatic Plus**
The solution for all high- and low-speed applications
- LCD Colour Display with 3 speed programs for fast switch between 100 and 40,000 rpm
- Easy program and change of individual speed settings and forward/reverse option
- Display rotates for vertical and horizontal mounting
- Display can be installed remotely
- Display can be installed remotely
- Easy installation due to flexible mounting options
- Further adjustment of light brightness and afterglow, key tone and selection between digital or analogue speed
- Dimensions: 145 x 132 x 44 mm
- Standard tube 1,750 mm (long tube 2,200 mm available)

**ELECTROmatic**
Highest power and constant speed at high load
- Perfect balance of the system due to the lightweight motor and tube
- SMARTdrive sensors control allows high torque at low speed ranges
- The LED light gives up to 25,000 lux to the preparation margin
- Spray water regulation is easy on the motor tube
- Automatic dynamic speed regulation and calibration system allows auto set-up of system air pressure and always max. speed at changing air pressure within a high pressure range
- Easy, flexible installation with mounting brackets included
- Integrated water filter with replacement filter
- Self-exchangeable modular system: tubes, LED bulb, motor
- Dimensions: 143 x 118 x 44 mm
- Standard tube 1,750 mm (long tube 2,200 mm available)

**ELECTROmatic with KL 703 LED motor | Mat. no. 1.012.8537**
**ELECTROmatic with COMFORTbase | Mat. no. 1.012.8539**

**ELECTROmatic Plus with KL 703 LED motor | Mat. no. 1.012.8541**
**ELECTROmatic Plus with COMFORTbase | Mat. no. 1.012.8543**

**ELECTROmatic Premium with KL 703 LED motor | Mat. no. 1.012.8545**
**ELECTROmatic Premium with COMFORTbase | Mat. no. 1.012.8549**

**ELECTROmatic Premium/Dual with KL 703 LED motor | Mat. no. 1.012.8547**
**ELECTROmatic Premium/Dual with COMFORTbase | Mat. no. 1.012.8549**
Couplings

**Spray adjustment**

<table>
<thead>
<tr>
<th>With light</th>
<th>Without light</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIflex LED coupling 465 LED</td>
<td>MULTIflex coupling 465 RN</td>
</tr>
<tr>
<td>With KaVo MULTI LED, 4-hole LUX connection, spray adjustment ring with locking positions, anti-retraction valve to prevent intrusion of spray water</td>
<td>With 4-hole standard connection, spray adjustment ring with locking positions, anti-retraction valve to prevent intrusion of spray water</td>
</tr>
<tr>
<td>Mat. no. 1.007.3197</td>
<td>Mat. no. 0.553.1600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>With light</th>
<th>Without light</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIflex LED coupling 465 LRN</td>
<td>MULTIflex coupling 465 E</td>
</tr>
<tr>
<td>With KaVo high-pressure lamp, 4-hole LUX connection, spray adjustment ring with locking positions, anti-retraction valve to prevent intrusion of spray water</td>
<td>With 4-hole standard connection, without spray adjustment ring, anti-retraction valve</td>
</tr>
<tr>
<td>Mat. no. 0.553.1550</td>
<td>Mat. no. 1.001.7600</td>
</tr>
</tbody>
</table>

**Without spray adjustment**

<table>
<thead>
<tr>
<th>With light</th>
<th>Without light</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIflex LED coupling 465 LED</td>
<td>MULTIflex coupling 465 E</td>
</tr>
<tr>
<td>4-hole standard connection without spray adjustment ring, anti-retraction valve, with MULTI LED</td>
<td>With 4-hole standard connection, without spray adjustment</td>
</tr>
<tr>
<td>Mat. no. 1.007.3201</td>
<td>Mat. no. 0.553.1210</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>With light</th>
<th>Without light</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTIflex LED coupling 465 LRN</td>
<td>MULTIflex coupling 465 E</td>
</tr>
<tr>
<td>4-hole standard connection without spray adjustment ring, anti-retraction valve, with KaVo High-Pressure Lamp</td>
<td>With 4-hole standard connection, without spray adjustment</td>
</tr>
<tr>
<td>Mat. no. 1.001.7599</td>
<td>Mat. no. 1.001.7600</td>
</tr>
</tbody>
</table>

**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. 1.007.3192

**Special connections**

MULTIflex LUX coupling Midwest

Fits Midwest cold light supply, with integrated glass rod light conductor

Mat. no. 0.553.1390

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 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
- 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 tips no. 5, without light
Mat. no. 1.005.9311
SONICflex handpiece 2003, with light
Mat. no. 1.007.1606
SONICflex 2003
SONICflex handpiece 2003, without light
Mat. no. 1.005.9310
SONICflex 2008
SONICflex quick handpiece 2008 L, with tips no. 5/6/7, without light
Mat. no. 1.005.9314
SONICflex handpiece 2008 L, with light
Mat. no. 1.007.1605
SONICflex handpiece 2008, with tips no. 5/6/7, without light
Mat. no. 1.005.9312
SONICflex handpiece 2008, without light
Mat. no. 1.005.9311
SONICflex quick handpiece 2008 L, with light
Mat. no. 1.007.0540
SONICflex quick handpiece 2008, without light
Mat. no. 1.005.8334
SONICflex quick handpiece 2008 L, with light
Mat. no. 1.007.0541
SONICflex 2003 N
SONICflex handpiece 2003 N, with tips no. 5/6/7, without light
Mat. no. 1.005.9311
SONICflex handpiece 2003, with light
Mat. no. 1.007.1606
SONICflex handpiece 2003, without light
Mat. no. 1.005.9310
SONICflex quick handpiece 2008 S*, without light
Mat. no. 1.005.9311
SONICflex quick handpiece 2008, without light
Mat. no. 1.005.8334
SONICflex quick set 2008, with tips no. 5A/6A/7A, with light
Mat. no. 1.006.1953
SONICflex set 2003 L with tips no. 5/6/7, with light
Mat. no. 1.000.8334
SONICflex set 2003 L with tips no. 5/6/7, with light
Mat. no. 1.000.4246
SONICflex handpiece 2003, without light
Mat. no. 1.000.8334
SONICflex handpiece 2003, without light
Mat. no. 1.000.8334
SONICflex set 2003 with tips no. 5/6/7, without light
Mat. no. 1.000.4243
SONICflex set 2003 L with tips no. 5/6/7, with light
Mat. no. 1.000.8334
SONICflex 2003
SONICflex handpiece 2003, without light
Mat. no. 1.005.9310
SONICflex quick handpiece 2008 S*, without light
Mat. no. 1.005.9311
SONICflex 2008 S*
SONICflex quick set 2008 LS*, with tips no. 5A/6A/7A, with light
Mat. no. 1.007.1605
SONICflex quick set 2008 LS*, with tips no. 5A/6A/7A, with light
Mat. no. 1.007.1604
SONICflex quick set 2008 L, with tips no. 5A/6A/7A, with light
Mat. no. 1.007.1604

SONICflex tips

**Prophylaxis**
Removal of large areas of calculus:

- **Scaler tips:**
  - 3: [0.577.5797/SA, 1.005.8559]
  - 5: [0.577.5795/SA, 1.005.8550]
  - 7: [0.577.5791/3A, 1.005.8551]

Removal of supragingival and subgingival calculus:

- **Scaler tips:**
  - 8: [0.577.5797/SA, 1.005.8553]
  - 10: [0.577.5799/2A, 1.005.8550]
  - 11: [0.577.5799/3A, 1.005.8551]

**Periodontology**
Gentle pocket cleaning up to 9 mm deep:

- **For anterior tooth area, smooth surfaces:**
  - Paro tip no. 60 | long, straight tip, rounded surface
  - Paro tip no. 62 | long, straight tip, rounded surface

- **For premolars, molars:**
  - Paro tip no. 61 | angled tip, right, rounded surface
  - Paro tip no. 62 | angled tip, right, rounded surface

- **For incipient caries:**
  - Cariex D tip no. 42 | ball, diameter 0.8 mm, hard metal

- **For plaque, cleaning of fissures, cleaning of cavities and crown preparations:**
  - Clean tip no. 48
  - Clean brush no. 15 pcs. [0.577.0421/2A, 1.006.3982]
  - Clean brush no. 25 pcs. [0.577.0422]

**Minimally invasive**
Minimally invasive treatment, for incipient caries:

- **Scaler tips:**
  - 3: [0.577.5797/SA, 1.005.8559]
  - 5: [0.577.5795/SA, 1.005.8550]
  - 7: [0.577.5791/3A, 1.005.8551]

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

- **Scaler tips:**
  - 6: [0.577.5792/SA, 1.005.9888]
  - Bevel tip no. 59 | distal, diamond coating D46

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

- **Scaler tips:**
  - 6: [0.577.5792/SA, 1.005.9888]

**Scalers and tips**

- **Root planer tips no. 26 | universal, button, small, left, diamond coating D5**
  - Root planer tips no. 25 | contra-angled button, small, right, diamond coating D5

**Cleaning of smooth surfaces and concavities:**

- **Scaler tips:**
  - 8: [0.577.5797/SA, 1.006.3982]

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

- **Scaler tips:**
  - 1: [0.577.5797/SA, 1.006.3982]

**Importantly information regarding material numbers:**

- **XX:** Tip for SONICflex 2003/2000 (long thread)
- **XXX:** Tip for SONICflex 2008 (short thread)

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*xx* is Sirona’s 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 15°, diamond coating D46 55: 0.571.7212 / 49A: 1.008.1982
- Prep gold tip no. 50 (distal, tips with defined bevel angles: lateral 60°, cervical 30°, diamond coating D46 55: 0.571.7212 / 50A: 1.008.1984

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

- Prep-cement tip no. 51 (mesial, tips with defined bevel angles: lateral 60°, cervical 75°, diamond coating D46 55: 0.571.7242 / 51A: 1.008.1985
- Prep-cement tip no. 52 (distal, tips with defined bevel angles: lateral 60°, cervical 30°, diamond coating D46 55: 0.571.7242 / 52A: 1.008.1986

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

- Crown preparation, ideal combination of rotatory crown preparation and gradual angle transitions from cervical to lateral margins:
- Even with highly convoluted roots:
- Associated with retrograde cavity preparation:
- Searching for/locating root canal. Simplifies work

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 or relation to orthodontics:

- Stripping tip no. 73 (flat, mesial, diamond coating D46 73: 1.071.2992 / 73A: 1.071.2994
- Stripping tip no. 74 (flat, distal, diamond coating D46 74: 1.071.2992 / 74A: 1.071.2994
- Stripping tip no. 75 (crown, mesial, diamond coating D45 75: 1.071.2994 / 75A: 1.071.2995
- Stripping tip no. 76 (crown, distal, diamond coating D45 76: 1.071.2995 / 76A: 1.071.3000

Gentle placement of inlays:

- Tip of CEM no. 72 with rounded plastic cup: 12: 0.571.6437 / 12A: 1.006.2021
- 12H attachment: 0.571.7442

Crown preparation, ideal combination of rotating crown preparation instruments with orofacially working tips of similar design:

- Chamber preparation:
- Cresting tip no. 80, radius, diamond coating D46 80: 1.006.6392 / 80A: 1.006.6394
- Shoulder preparation:
- Crown prep tip no. 88, flat, diamond coating D46 88: 1.008.3855 / 88A: 1.008.3860

Perfect root tip resection
Searching for locating root canal, simplifies work associated with retrograde cavity preparation:

- Retro tip no. 56: (extremely narrow, cylinder shape, tip, right, diamond coating D46 56: 0.571.7220 / 56A: 1.008.2040
- Retro tip no. 57: extremely narrow, cylinder curve, tip, right, diamond coating D46 57: 0.571.7322 / 57A: 1.008.2041

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

- Retro tip no. 10 (left, small cylinder, diamond coating D46 10: 0.571.5547 / 10A: 1.006.2048
- Retro tip no. 11 (right, small cylinder, diamond coating D46 11: 0.571.5537 / 11A: 1.006.2043

Proceeding to the undercuts, axially angled root canal preparation with minimal bone defects:

- Retro tip no. 20 (pear-shaped, small, left, diamond coating D46 20: 0.571.5127 / 20A: 1.006.2037
- Retro tip no. 21 (pear-shaped, small, right, diamond coating D46 21: 0.571.5147 / 21A: 1.006.2038

For roots with apices highly inclined towards the buccal cavity:

- Retro tip no. 55 (diamond coating D46 55: 0.571.7242 / 55A: 1.008.2039

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

- Crown extension tip 020 no. 92 (small, straight, exterior-diamond coated D44 92: 1.071.3031 / 92A: 1.071.3032
- Crown extension tip 020 no. 91 (small, angled, exterior-diamond coated D44 91: 1.071.3030 / 91A: 1.071.3031
- Crown extension tip 020 no. 93 (large, straight, exterior-diamond coated D44 93: 1.071.3029 / 93A: 1.071.3030
- Crown extension tip 020 no. 94 (large, angled, exterior-diamond coated D44 94: 1.071.3028 / 94A: 1.071.3029
- Crown extension tip 020 no. 95 (large, angled, exterior-diamond coated D44 95: 1.071.3027 / 95A: 1.071.3028

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

Bone tips: 80 (square, cutting 80: 1.004.3875 / 80A: 1.006.2006

Endodontics
Shaping of access cavity, removal of pretubercations:

Endo tips: 08 (button, large, diamond coating D45 08: 1.003.5232 / 08A: 7.008.1992

Widening of larger canals:

Endo tips: 69 (button, small, diamond coating D45 69: 1.003.5230 / 69A: 1.003.1998

Removal of residue from root canal fillings:

Endo tips: 69 (button, small, diamond coating D45 69: 1.003.5230 / 69A: 1.003.1998

Accessories
Torque wrench: 1.000.4887
Adapter for supply of liquid medicaments: 1.002.8396 / A: 1.008.5988

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 tips: 81 (ball, large, diamond coating D45 81: 1.004.3875 / 81A: 1.006.2008

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

Bone tips: 81 (long, solid, diamond coating D45 81: 1.004.3875 / 81A: 1.006.2014

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

Bone tips: 85 (elephant foot 85: 1.006.1964 / 85A: 1.007.1924

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

Bone tips: 88 (bone harvester 88: 1.006.0111 / 88A: 1.007.1925

For narrow incisions when cutting ligaments:

Bone tips: 87 (bone-ex, replaceable saw blade, saw blade thickness: 0.15 mm 87: 1.009.1406 / 87A: 1.007.1927
Saw blades (gau) 87A: 1.005.1925

For particularly long and wide channels:

Bone tips: 90 (conical 11°, diamond coating D45, anter or area not diamond-coated D45 90: 1.003.7247 / 90A: 1.006.2020

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

Endo clean set: 035° or 90° angle, 4x holder, 2 needle holder, 16: 001.9101

Scalers and tips

Important information regarding material numbers:

XX: Tip for SONICflex 2008 (short thread)
XXA: Tip for SONICflex 2003/2000 (long thread)
Take advantage of the possibilities offered by the high-end ultrasonic scaler from KaVo. Enjoy the convenience of operating the equipment via your KaVo treatment unit. Achieve the best treatment results thanks to precise illumination.

**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 supragingival 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 75 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. 1.007.4029
- **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. 1.007.4030

**Preparation**
- **PIEZO Prep tip 226**
  Diamond-coated preparatory tip with spherical design for opening up small occlusal and buccal defects
  Mat. no. 1.007.4031
- **PIEZO Prep tip 227**
  Partially diamond-coated preparatory tip with spherical design for chamfering and finishing approximal mesial cavity edges
  Mat. no. 1.007.4032

**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 (50 μm) for removing steps and other obstructions
  Mat. no. 1.007.4047
- **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. 1.007.4042
  PIEZO Endo tip file set: 1.007.4071

**Implant cleaning**
- **PIEZO Implant tip set**
  For removing plaque and calculus from implant surfaces and metal or ceramic restorations, metal-free tip
  Mat. no. 1.007.4028
  PIEZO Implant refill tip set: 1.007.4074

**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 52,000 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. 1.007.2082

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. 7.001.6733

Order numbers for combined packages

<table>
<thead>
<tr>
<th></th>
<th>K-Control™ TLC Knee</th>
<th>K-Control TLC Foot</th>
<th>K-Control TLC Table</th>
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<tbody>
<tr>
<td>K-ERGOgrip</td>
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<td>Mat. no. 1.005.4207</td>
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<td>Mat. no. 1.007.2084</td>
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</tr>
<tr>
<td>Ergonomics</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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

Foot control
Mat. no. 1.009.4245

Table control
Mat. no. 1.009.4243
Laboratory and articulators

Articulators
Perfection in motion

The ARCUSdigma measures the movement paths of the temporo-mandibular joints and the incisal point in real time and represents these in 3D in the software. The data can be used in the PROTARevoo Digma to create the perfect dental prosthesis. All PROTARevoo articulators offer the precision and longevity that KaVo is famous for. Furthermore, they support many specific solutions and provide useful analysis. The ARCUS and ARCUSexo 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 PROTARevoo 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. 7.005.2307
ARCUSdigma SD: Mat. no. 1.005.2300

ARCUS and ARCUSexo
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.
- Quick, precise and safe
- The earpieces are designed to allow unrestricted communication with the patient.

ARCUS: Mat. no. 0 622 5000
ARCUSexo: Mat. no. 1 005 0800

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

PROTARevoo 2: Mat. no. 7.002.3305
PROTARevoo 3: Mat. no. 7.002.3309 (also available without split cast)
PROTARevoo 5: Mat. no. 7.002.3313 (also available without split cast)
PROTARevoo 5b: Mat. no. 1.002.3317 (also available without split cast)
PROTARevoo 6: Mat. no. 7.002.3317 (also available without split cast)
PROTARevoo 7: Mat. no. 7.002.3327 (also available without split cast)
PROTARevoo Digma: Mat. no. 1.005.4127
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 48–51)

The KaVo powder jet 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 63–65)

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.

The KaVo DIAGNOcam for caries diagnosis
Using the KaVo DIAGNOcam for early caries detection, you can easily take highly precise images by transiluminating the teeth without any need for X-rays. These excellent images increase the acceptance of your treatment plan. (More on pages 66–68)
SONICflex, prophylaxis tips

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 48–51.

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 52–53.

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.

Cleaning powder for subgingival and supragingival treatment

PROPHYpearls
For an all-round clean and gentle prophylaxis
- Indication: highly effective elimination of discolouration, plaque and biofilm
- Active ingredient: sodium bicarbonate with a particle size of 60–70 μm
- 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

Bottles (4 pcs per 250 g)
- Neutral: Mat. no. 1.009.3732

Perio Kit for PROPHYflex 4
10 peri tips for safe and targeted pocket cleaning thanks to the stable, thin tip* with depth markings and Perio Adapter as well as PROPHYflex Perio Powder and accessories
Perio Kit: Mat. no. 1.011.9403**
Refill Set: Mat. no. 1.010.0287***

Scaler tips for SONICflex

<table>
<thead>
<tr>
<th>Tip</th>
<th>Description</th>
<th>Mat. no.</th>
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<tbody>
<tr>
<td>5</td>
<td>Universal</td>
<td>5.057.5117/5A: 1.005.8349</td>
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<tr>
<td>6A</td>
<td>Sickle</td>
<td>5.057.5117/6A: 1.005.8350</td>
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<tr>
<td>7</td>
<td>Perio</td>
<td>5.057.5117/7A: 1.005.8351</td>
</tr>
<tr>
<td>8A</td>
<td>Perio, extra long</td>
<td>5.057.5117/8A: 1.005.8353</td>
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Scaler tips for PiezoLED

<table>
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<th>Tip</th>
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</tr>
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<td>50</td>
<td>Long, straight tip, rounded surface</td>
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<tr>
<td>61</td>
<td>Angled tip, left, rounded surface</td>
<td>61: 0.571.7412/61A: 1.006.1935</td>
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Implant Set
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<th>Description</th>
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<tbody>
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Scaler tips for Scaler

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<th>Tip</th>
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<td>Sickle</td>
<td>0.571.5181/6A: 1.005.8950</td>
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<td>7</td>
<td>Perio</td>
<td>0.571.5191/7A: 1.005.8951</td>
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<tr>
<td>8</td>
<td>Perio, extra long</td>
<td>0.571.5371/8A: 1.006.1953</td>
</tr>
</tbody>
</table>

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

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. 1.010.1827
- Blackcurrant: Mat. no. 1.010.1828

Bottles (4 pcs per 250 g)
- Neutral: Mat. no. 1.010.1798
- Mint: Mat. no. 1.010.1828
- Blackcurrant: Mat. no. 1.010.1829

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

PiezoLED 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

PiezoLED Scaler Tip 203
For removal of subgingival deposits on root surfaces. Also suitable for deep periodontal pockets and periodontal treatments
Mat. no. 1.007.4028

PiezoLED Scaler Tip 204
For removal of supra- and subgingival calculus in all quadrants
Mat. no. 1.007.4029

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)
- Neutral: Mat. no. 7.010.1826
- Mint: Mat. no. 7.010.1827
- Orange: Mat. no. 7.010.1828
- Blackcurrant: Mat. no. 7.010.1829

KaVo PROPHYflex Perio Powder
For supragingival and subgingival 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

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)
- Neutral: Mat. no. 7.010.1826
- Mint: Mat. no. 7.010.1827
- Orange: Mat. no. 7.010.1828
- Blackcurrant: Mat. no. 7.010.1829

KaVo PROPHYflex Perio Powder
For supragingival and subgingival 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

Perio Kit for PROPHYflex 4
10 peri tips for safe and targeted pocket cleaning thanks to the stable, thin tip* with depth markings and Perio Adapter as well as PROPHYflex Perio Powder and accessories
Perio Kit: Mat. no. 1.011.9403**
Refill Set: Mat. no. 1.010.0287***

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

** 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.

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.

Safety 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.

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* Mat. no. fits Sirona connection
** PROPHYpearls abrasion compared to a competitor’s air polishing device using calcium carbonate. Shown on SonicFill™ composite.

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KaVo PROPHYflex 4 Competitor
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.

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.

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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.
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.

Accuracy of caries detection

2% Visual inspection
96% Bitewing radiographs
99% KaVo DIAGNOcam

Early caries detection

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.

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. 1.005.8000
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

Diagnosis

– 66 –
KaVo

– 67 –
KaVo
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.

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 minimvasive 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. 1.002.7010
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 perioc probe: Mat. no. 1.004.0370
Sterile cassette for DIAGNOdent pen probes: Mat. no. 1.001.7011

A safe bet for identifying caries

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

Diagnostics

- 69 – KaVo
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.

**SONICflex**
As a multifunctional instrument, the KaVo SONICflex can be used for several steps with the appropriate tips. It is notable for its precise and minimally invasive removal of dental substance.

**Primary preparation: opening the cavity**
When it comes to opening the cavity and creating the contour and the necessary depth, KaVo’s very powerful high-speed instruments or turbines are ideal for processing work performed at high speeds. The small head, the patented head/knee angle and the powerful light provide the best view.

**Secondary preparation: caries excavation**
A green shank, with a suitable KaVo INTRA head, is perfect for precise removal of carious dentine when used at a constant low speed.

**Wall/margin preparation**
For optimum preparation of the cavity and the best contact between the prepared margins and the filling material in the further course of treatment, KaVo high-speed instruments or KaVo turbines are absolutely perfect, thanks to their extremely precise rotation.

**Filling therapy**
Great combinations can be achieved by teaming KaVo devices with Kerr™ products such as the SonicFill™ bulk fill composite system or the Kerr Demi™ Ultra. (Orderable only via Kerr)

**Finishing: preparation and polishing**
For optimum aesthetics and occlusion, the blue shank combined with the specially sealed polishing heads deliver great results in terms of grinding and polishing the surfaces.

**Taking care of filling and occlusion**
Thanks to outstanding rotation performance, KaVo high-speed instruments and turbines can shape precise fillings and achieve optimum occlusion results.
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.

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 and cements is increased when the pretreated surfaces are exposed to an air-abrasion system with a water supply and reduced powder contamination. 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.

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

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

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.
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 slitter for establishing the coronal access opening. I recommend the following trick to reduce the risk of slipping with the crown slitter or diamond when boring 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).

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: 1.006.394

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

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 48–51.

Endo tip no. 68 | conical 112°, diamond coating D46
68: 1.000.5823 / 68A: 1.006.1946

Endo tip no. 69 | button, small, diamond coating D46
69: 1.000.5827 / 69A: 1.006.1948

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

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

PIEZO Endo Tip 220
Conical tip with diamond coating for localization of root canals and removal of calcifications from the coronal third of the root system
Mat. no. 1.007.6040

PIEZO Endo Tip 221
Fine symmetrical tip with diamond coating for removing steps and other obstructions
Mat. no. 1.007.6041

PIEZO Endo Tip 222
File holder at 120° for flexible use of Piezo Endo files: holder for 5 different stainless steel files
350 T5, 20, 25, 30, 35
Mat. no. 1.007.6042

PiezoLED, endodontic tips

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 52–53.
Integrated endo function

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’s element.

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’s element.

ELECTROmatic Premium/Premium Dual

Workflow at its best

Air-to-electric motor conversion kit (controller, tubing, brushless electric motor and fixtures) for any treatment unit. Easy retrofitting of existing air-driven treatment units. It allows the dentist to upgrade to an electric motor and all its advantages within minutes.

• All-in-one device with a special prep and endo mode (torque control)
• Integrated endo file database for easy set-up of endo torque and speed settings with different files
• Intuitive handling due to integrated 4.3” TFT colour touchscreen display
• Vivid colour touch display with speed slider for fast set-up.

ELECTROmatic Premium with KL 703 LED motor: Mat. no. 1.012.8545
ELECTROmatic Premium Dual with KL 703 LED motor: Mat. no. 1.012.8547
ELECTROmatic Premium Dual with COMFORTbase: Mat. no. 1.012.8549

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 minimizes 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 pre-settings, 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)

MASTERmatic and INTRA heads

INTRA Endo head L3

Reciprocating rotation through 60°, for manual root canal instruments with contra-angle shaft with diameter 2.35 mm. Mat. no. 1.008.1836

INTRA Endo head L5

Reciprocating rotation through 60°, for manual root canal instrument with contra-angle shaft with diameter 2.35 mm. Mat. no. 1.008.1831

INTRA Endo head L62 (10:1)

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

MASTERmatic LUX reducing shank M39 L17.4:1

Maximum treatment flexibility with 14 exchangeable heads. Mat. no. 7.009.3180

SMARTmatic ENDO SBT1 (8:1) Green contra-angle for endodontics, max. drive speed: 40,000 rpm, for files with a shaft diameter 2.35 mm. Mat. no. 1.075.6790

ENDOadvance LUX handpiece NT 120L


Glass rod light conductor, head angle 100°, Plasmatec coating, perfect access to root canals in molar areas 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. 7.002.4497

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KaVo

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KaVo
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.

Important information regarding material numbers:

XX: Tip for SONICflex 2005/2000 (long thread)
XXA: Tip for SONICflex 2008 (short thread)

SONICflex, surgical tips

Thanks to its numerous tips, 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 48–51.

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

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

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

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

Bone tip no. 81 | ball, large, diamond-coating D46
81: 1.014.3806 / 81A: 1.016.2008

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

Bone tip no. 83 | saw sagittal

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

Bone tip no. 84 | saw axial
84: 1.014.3879 / 84A: 1.016.2014

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

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

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

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

Bone tip no. 87 | saw axial, replaceable saw blades, saw blade thickness: 0.15 mm
87: 1.016.1406 / 87A: 1.007.3627
Saw Blades (6 pcs): 1.008.3405
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 toothing at the head and improved ball bearings
S201L (with light): Mat. no. 1.009.0470
S201C (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

Contra-angles

S201 XL/ XC
- Mat. no. 1.009.0470
- Mat. no. 1.009.1100
- Mat. no. 1.010.2332
- Mat. no. 1.010.2333

S201 L (with light)
- Mat. no. 1.009.0470
- Mat. no. 1.009.1100
- Mat. no. 1.010.2332
- Mat. no. 1.010.2333

S201 C (without light)
- Mat. no. 1.009.0470
- Mat. no. 1.009.1100
- Mat. no. 1.010.2332
- Mat. no. 1.010.2333

S201 XL (with hexagon)
- Mat. no. 1.009.0470
- Mat. no. 1.009.1100
- Mat. no. 1.010.2332
- Mat. no. 1.010.2333

S201 XC (without hexagon)
- Mat. no. 1.009.0470
- Mat. no. 1.009.1100
- Mat. no. 1.010.2332
- Mat. no. 1.010.2333
Surgery portfolio

Handpieces and contra-angles with light

MASTER series

SURDmatic
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. 1.008.1071

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. 1.003.0971

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
Mat. no. 1.002.3693

Consisting of:

INTRA-LUX surgical reducing head (3:1)
CL1 | Mat. no. 1.001.8993

INTRA-LUX surgical shank (9:1)
CL09 | Mat. no. 1.001.9258

SURDmatic
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 special length of 70.0 mm, external coolant connection, easy to dismantle
Mat. no. 0.524.5600

Handpieces and contra-angles without light

EXPERT series

SURDmatic
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. 1.008.1071

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. 1.003.0971

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

INTRA surgical
handpiece 3610N1 (1:1)
For handpiece burs with a special length of 70.0 mm, external coolant connection, easy to dismantle
Mat. no. 0.524.5600

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

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**

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

Reprocessing & maintenance
Cheaper — maybe

Better — probably not

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!

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

Available in many countries:
- KaVo Original medical devices 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 return 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

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

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

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

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

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

KaVo Original Service

KaVo Original Service
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.

Not genuine means genuinely dangerous!

Counterfeit products present a health risk.

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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.

Not genuine means genuinely dangerous!

Counterfeit products present a health risk.

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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

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