A true masters knows no compromise.

KaVo advantages

KaVo product support services:

- Dental instruments
- Treatment units
- CAD/CAM
- X-Ray
- Technical hotline
- Advanced training/seminars
- Replacement parts
- Exchange parts
- Repair service
- Quality management
- Studies
- User reports

The advantages of KaVo engineering:

Outstanding value

<table>
<thead>
<tr>
<th>Your KaVo quality advantage.</th>
<th>Your KaVo innovation benefit.</th>
<th>Your KaVo system flexibility</th>
<th>The benefits of KaVo German engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>KaVo quality pays for you because it guarantees reliability, low maintenance and long service life that are above average in international comparison.</td>
<td>Our development team – the largest and best in the dental industry – has a reputation as successful pioneers. With KaVo innovations, you ensure your future success today.</td>
<td>With KaVo you are taking a systematic approach to success: you can supplement and retrofit our products at any time. You thus avoid expensive new acquisitions and protect the value of your original investment.</td>
<td>Play safe and rely on Made in Germany quality – with treatment units, instruments and all other KaVo dental products.</td>
</tr>
<tr>
<td>Long-term, complete reliability of all KaVo products</td>
<td>Investment protection: future technologies can be integrated without difficulties</td>
<td>Functional and combination safety: all components from one source</td>
<td>Trustworthiness: highest international and additional internal standards.</td>
</tr>
<tr>
<td>Treatment successes: absolutely care-free and precise machining</td>
<td>Health protection and time savings: innovative automated hygiene functions</td>
<td>Reliability: perfectly adapted products</td>
<td>Precision and safety: exemplary, world-class production techniques</td>
</tr>
<tr>
<td>Safety: compressor/coolant quality controls and tests</td>
<td>Uniform standards: more than 2,200 patents and registered utility models</td>
<td>Provision for the future: spare parts available longer, additional components can be integrated economically at a later date</td>
<td>Sustainability: proven and innovative technologies and materials</td>
</tr>
<tr>
<td>Cost efficiency: practically no downtimes or repairs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

KaVo advanced training/seminars

KaVo turbines, straight and contra-angle handpieces

KaVo MASTERtorque™ with Direct Stop Technology, 23 Watt output and extremely quiet operating noise

GENTLEpower LUX 25 LP speed-increasing handpiece

KaVo MASTERtorque LUX M9000 L Turbo

GENTLEpower LUX 20 LP direct-drive shank

GENTLEpower LUX 7 LP direct-drive shank

14 EXCHANGEABLE HEADS

KaVo. Dental Excellence.
KaVo turbines, straight and contra-angle handpieces

Durable, reliable quality for your instruments.

Your KaVo quality advantage.

One hundred years of experience and more than five million KaVo dental instruments sold reflect Dental Excellence throughout the world. Four of the numerous quality proofs:

> During manufacture we attach high importance to precision, and we provide high internal quality standards such as dust-free assembly in Biberach.

> Up to 70% of the dental instruments produced by other manufacturers require essential repair during the first four years, at KaVo this is only 30% – thus KaVo is the market leader (source: GfK poll ZabuB March 2009)

> The repurchase rate 98% represents a very high customer satisfaction with regard to the quality of our products.

> Regular certifications ensure continuously high quality. KaVo is EN ISO 9001 and EN ISO 13485 and also according to the guideline 93/42/EG for medical products certified.

Your KaVo innovation benefit.

With innovation from passion and more than 2,200 patents and registered utility patterns at home and abroad we contribute to your daily success. Some particularly successful examples:

> KaVo COMPACTdrive, the first contra angle with integrated electric motor combines power and ease.

> The changeable KaVo spray microfilter optimises spray cooling and reduces service costs.

> The automatic pressure regulation valve for turbines grants high moment of force and long service life.

> The patented head and knee angles of 100° and 19° for KaVo dental instruments grant optimal access to the preparation area.

> SONICflex Quick Coupling accelerates and simplifies the scaler tip change.

Your KaVo safety benefit.

KaVo creates the prerequisites for best treatment safety and for infection protection of the dentist, assistants and the patient during each treatment. This can be proven with hands-on examples:

> With its holding power of up to 30 N, the new, innovative FG chuck for KaVo turbine drill shanks by far exceeds the required standard and now ensures an even better long-term grip for your dental bur.

> Innovative hygiene solutions, like the integrated anti-suck back system in the GENTLEsilence series and the easy-to-clean and sterilizable surfaces, provide additional protection against cross contaminations.

Gain profitability and protection of investment with perfectly adjusted solutions:

> You do not need to purchase expensive new devices when you can replace e.g. the high-pressure instrument lamp with the new KaVo MULTI LED.

> Protection of your investment is significantly increased by the long term availability of spare parts.

> With each new development we attach high importance to corresponding system solutions so that cost-efficient upgrades are also possible in the future.

1. Highest treatment quality.

2. Maximum treatment comfort

3. Highest patient satisfaction

Made in Germany

KaVo quality with a long service life!

More than 5 million dental instruments sold worldwide
MASTERtorque – Very powerful. Whisper Quiet. For relaxed work.

**MASTERtorque:**
- Optimized speed and efficiency through highly effective processing with an output of up to 23 Watt and a stopping time of approx. 1 second.
- Quiet for the practitioner and patient through frequency optimization for very low noise emission during the treatment (52 dB(A)).
- Relaxed working thanks to the Direct Stop Technology (DST) very short stopping time for more safety.
- More hygiene and longer service life: DST prevents suckback and thus any intrusion of contaminated spray water.
- More space thanks to the patented KaVo 100°/19° head/knee angle combination.

**GENTLEmini: the ideal supplement – even smaller.**
- Our smallest – superior visibility thanks to smallest head dimensions (H = 12.1 mm; Ø = 10.8 mm) – ideal for children and the elderly.
- More space thanks to the patented KaVo 100°/19° head/knee angle combination.
- Comfortable for both dentist and patient thanks to very low noise level during treatment (59 dB(A)).
- Suitable for both miniature and standard burs.

**MULTIflex LUX coupling 465 LED**
- Flexible – fitting connection for many instruments.
- Economical – no new purchase of LED equipment is required, simply replace high-pressure lamp by KaVo MULTI LED.

---

**NEW Innovative FG chuck for maximum durability.**
- KaVo chucks have always been characterized by high holding power and breakage resistance.
- With the aim to obtain the highest possible quality, KaVo has subjected the chuck for KaVo instruments to comprehensive tests and has improved it once again – the result: an even longer life cycle combined with an easily activated press-button.
- The chuck was optimized using the most advanced FEM (Finite Elements Method) calculations. Thus for example tensile strength (1 cycle = 1 drill change) could be improved with these optimizations by at least 60%.

---


**KaVo Pianometric coating**
- A perfect grip and excellent hygiene thanks to optimum sealing.

**KaVo push-button chuck system**
- With a retention power of up to 32 N for secure, powerful retention of the bur and easy operation.

**High-tech FG chuck**
- For maximum durability and reliability.

**Optimized speed and efficiency**
- Through highly effective processing with an output of up to 23 Watt and a stopping time of approx. 1 second.

**Low noise level (57 dB(A))**
- Meaning no high peaks in the frequency range and a pleasant coasting sound.

**Very small head dimensions**
- For perfect visibility even with more complex molar preparations. With a 19 mm bur, the height of the head is only 20 mm.

**Exchangeable spray microfilter**
- For always effective and trouble-free spray cooling.

**Light glass rod**
- With 25,000 lux for safe recognition of the preparation margins.

**4-nozzle spray**
- With ultrafine spray wetting for optimum cooling.

**Low noise level (57 dB(A))**
- Meaning no high peaks in the frequency range and a pleasant coasting sound.

**DIRECT STOP Technology (DST)**
- Fast stop – stopping time is reduced by 60%, at just 1 second**.
- Safe hygiene and long service life through zero suckback.

**24 months warranty.**

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**Made of stainless steel**
- Durable steel head for long durability.

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**NSK® = Registered trademark of Nakanishi, Japan**

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**Sirona® = registered trademark of Sirona, Bensheim**

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**Stainless steel**
- Durable steel head for long durability.
COMFORTdrive – work comfortably and with low level of fatigue

- Amazingly quiet operation thanks to Triple-Gear for more relaxed work without bothersome vibrations
- Comfortable for both the dentist and the patient thanks to very low noise level during treatment (55 dB(A))
- More space thanks to the patented KaVo 100° / 19° head / knee angle combination
- Superior visibility thanks to small head dimensions (H = 15.0 mm; Ø = 10.3 mm)
- More safety: exchangeable spray microfilter ensures optimal cooling and prevents thermal damage of the tooth

Mat. no. 1.001.2849

COMFORTdrive 200 XD: powerful, light-weight, and precise.

- The innovation for treatment units KaVo ESTETICA E60, E70 and Primus 1058
- The lightest-weight electric contra-angle handpiece on the market!
- Work relaxed and with low level of fatigue due to the low weight (141 g) and short length (162 mm)
- Work with special precision thanks to optimal balance, less load acting on the fingers
- Work powerfully and efficiently with up to 200,000 rpm and 30 W output

Mat. no. 1.000.5500t

GENTLEpower LUX 25 LP: its quiet operation is its strength.

- Very small head dimensions for better visibility even with more complex motor preparations
- 3-nozzle spray with ultrasonic spray mist for optimum cooling
- Extremely quiet operation thanks to Triple-Gear for more relaxed work without bothersome vibrations
- Light glass rod with 25,000 lux for safe recognition of the preparation margins
- Low running noise, vibration-free operation during treatment (55 dB(A))
- Amazingly quiet operation thanks to Triple-Gear without bothersome vibrations
- Exchangeable spray microfilter for always effective and trouble-free spray cooling
- KaVo PlasmaJet coating for perfect grip and excellent hygiene thanks to optimum sealing

Mat. no. 1.001.2849


Master assessments from practical experience:

"The 100° head angle of the GENTLEpower LUX 25 LP permits work in difficult-to-access areas of the oral cavity. Compared to the predecessor models, the smoothness and the low noise level of the contra-angle handpiece is impressive."

Dr. med. Thorsten Kleinert, Berlin
GENTLEpower LUX – 14 exchangeable heads for unlimited versatility.

Invest in just a single contra-angle handpiece with reducing shank. Our broad range of INTRA heads offers you a comprehensive set of options for all applications.

---

**GENTLEpower LUX 20 LP**
- Transmission ratio 1:1
- The practice standard for caries excavation
- Maximum treatment flexibility and options provided by 14 exchangeable heads
- Mat. no. 1.001.7453

**GENTLEpower LUX 7 LP**
- Reduction ratio 2.7:1
- Maximum treatment flexibility and options provided by 14 exchangeable heads
- Compatible with all INTRA LUX heads
- Mat. no. 1.001.7463

**GENTLEpower LUX 29 LP**
- Reduction ratio 7.4:1
- Maximum treatment flexibility and options provided by 14 exchangeable heads
- Compatible with all INTRA LUX heads
- Mat. no. 1.001.7464

**GENTLEpower LUX 10 LP**
- For both handpiece and contra-angle burs
- Also for simple extra oral technical jobs such as prosthesis corrections
- Mat. no. 1.001.5660

---

Exchangeable heads according to indications and combination recommendations:

<table>
<thead>
<tr>
<th>Restoration</th>
<th>Prophylaxis</th>
<th>Endodontics</th>
<th>Surgery</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; L68 (1:1, up to 40,000 rpm)</td>
<td>&gt; L68 B (1:1, up to 40,000 rpm)</td>
<td>&gt; L68 B (1:1, up to 14,800 rpm)</td>
<td>&gt; L68 B (1:1, up to 40,000 rpm)</td>
</tr>
<tr>
<td>&gt; L67 (2:1, up to 20,000 rpm)</td>
<td>&gt; L68 B (1:1, up to 20,000 rpm)</td>
<td>&gt; L68 B (1:1, up to 7,400 rpm)</td>
<td>&gt; L68 B (1:1, up to 14,800 rpm)</td>
</tr>
<tr>
<td>&gt; L62 (1:1, up to 40,000 rpm)</td>
<td></td>
<td>&gt; L68 B (1:1, up to 20,000 rpm)</td>
<td></td>
</tr>
<tr>
<td>&gt; L60 (1:1, up to 40,000 rpm)</td>
<td>&gt; L68 B (1:1, up to 40,000 rpm)</td>
<td>&gt; L68 B (1:1, up to 14,800 rpm)</td>
<td></td>
</tr>
<tr>
<td>&gt; L66 B (1:1, up to 13,300 rpm)</td>
<td>&gt; L68 B (1:1, up to 14,800 rpm)</td>
<td>&gt; L67 (2:1, up to 7,400 rpm)</td>
<td>&gt; L68 B (1:1, up to 40,000 rpm)</td>
</tr>
<tr>
<td>&gt; L66 B (3:1, up to 4,950 rpm)</td>
<td></td>
<td>&gt; L68 B (1:1, up to 14,800 rpm)</td>
<td></td>
</tr>
</tbody>
</table>

---

Thanks to the KaVo quick-action safety retention collar, the heads can be simply and quickly removed from the shank and exchanged.

---

For specialised applications, you invest in just a single handpiece head (no further contra-angles required!) and save up to 50% each time.

---

Master assessments from practical experience:

“pleasant weight, good grip, superior smoothness in all speed ranges, these are the outstanding properties of the KaVo Master Series contra-angle handpieces. Due to their low wear, which speaks for their excellent quality, they are moreover very interesting economically.”

Andreas Clemens, Gelnhausen

---

Thanks to the KaVo quick-action safety retention collar, the heads can be simply and quickly removed from the shank and exchanged.
The ingenious KaVo INTRA heads, Giving you the flexibility you require.

** Restoration **

** INTRA head L68 **
- Transmission ratio 1:1
- For contra-angle burs
- With push-button tensioning, debris deflector disc, and reinforced chuck system
- Removal of carious material; preparation of the cavity floor
- Maximum operating speed 40,000 rpm

** INTRA miniature head L52 **
- Transmission ratio 1:1
- Ideal for miniature contra-angle burs (16 mm)
- With pushbutton chuck
- For the best viewing conditions when removing carious materials, ideal for treatment in narrow areas or when treating children
- Maximum operating speed 40,000 rpm

** INTRA head L67 **
- Reduction ratio 2:1
- For contra-angle burs
- With push-button tensioning, debris deflector disc and reinforced chucking system
- Increased low-down pull compared to L68
- Removal of carious material; preparation of the cavity floor
- Maximum operating speed 20,000 rpm

** INTRA head L60 **
- Transmission ratio 1:1
- For contra-angle burs and root canal instruments
- Ball-bearing mounted push-button chuck
- Removing carious materials; preparation of the cavity floor; rotating preparation of root canals with NiTi files, for example
- Ideal for endodontic uses in conjunction with KaVo GENTLEpower 20 LP and KaVo ESTETICA E80, E70 or E50 with endodontics function
- Operating speed 100 – 40,000 rpm

** INTRA head L66 B **
- Reduction ratio 3:1
- For contra-angle burs and root canal instruments
- Ball-bearing mounted push-button chuck
- Removing carious materials; preparation of the cavity floor; rotating preparation of root canals with NiTi files, for example
- Ideal for endodontic uses in conjunction with KaVo GENTLEpower 20 LP and KaVo ESTETICA E80, E70 or E50 with endodontics function
- Operating speed 36 – 13,100 rpm

** Master assessments from practical experience: **

"I use the 68 LH, 3 LDSY and 61 LR heads mounted on different shanks (20 LN and 7 LN). The shanks still stem from the initial equipment and did not require any repair since 1994... I can only recommend the KaVo instruments and the philosophy of exchangeable heads to all colleagues."

Dr. Steffen Doering, Berlin
### Endodontics

<table>
<thead>
<tr>
<th>KaVo INTRA heads</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTRA head L62</strong></td>
<td><strong>INTRA Endo head L53</strong></td>
</tr>
<tr>
<td>- Reduction ratio: 10:1</td>
<td>- Preparation of root canals</td>
</tr>
<tr>
<td>- With pushbutton chuck</td>
<td>- Preparation of root canals</td>
</tr>
<tr>
<td>for handpiece instruments</td>
<td>- For root canal instruments with 2.35 mm shaft diameter</td>
</tr>
<tr>
<td></td>
<td>- Alternating rotating movement of 90° to avoid fracture</td>
</tr>
<tr>
<td></td>
<td>- With push-button chuck</td>
</tr>
<tr>
<td><strong>INTRA Endo head L53</strong></td>
<td><strong>INTRA Endo head L3</strong></td>
</tr>
<tr>
<td>- Preparation of root canals</td>
<td>- Preparation of root canals</td>
</tr>
<tr>
<td></td>
<td>- Maximum speed 3,000 rpm – recommended shank: 29 LP / 2x green</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTRA Endo head L3</strong></td>
<td><strong>INTRA Endo head L3 Y</strong></td>
</tr>
<tr>
<td>- For root canal instruments with handle diameters of 3.5 mm to 4 mm</td>
<td>- With pushbutton chuck</td>
</tr>
<tr>
<td></td>
<td>- Preparation of root canals, lift motion ideal for use with H originate files</td>
</tr>
<tr>
<td></td>
<td>- Lift motion 0.4 mm</td>
</tr>
<tr>
<td></td>
<td>- Maximum speed 3,000 rpm – recommended shank: 29 LP / 2x green</td>
</tr>
<tr>
<td></td>
<td>- Force-absorbing adjustment to the tangential force resistance thanks to the radial, free rotatability of 360°</td>
</tr>
</tbody>
</table>

### Surgery

<table>
<thead>
<tr>
<th>KaVo INTRA heads</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTRA micro head L22</strong></td>
<td><strong>INTRA PROPHY Head L53</strong></td>
</tr>
<tr>
<td>- Transmission ratio: 1:1</td>
<td>- New also for polishing attachments with shaft diameter 2.35 mm</td>
</tr>
<tr>
<td>- With round drill size 2</td>
<td>- The 30° alternating rotating movement prevents the polishing paste from being scattered.</td>
</tr>
<tr>
<td>- Also fits KaVo round bur size 0 or inverted cone bur size 2 and size 0</td>
<td>- With pushbutton chuck</td>
</tr>
<tr>
<td></td>
<td>- Maximum operating speed 20,000 rpm</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTRA PROPHY Head L53</strong></td>
<td><strong>INTRA Prophy head L3</strong></td>
</tr>
<tr>
<td>- Microhead with extremely small dimensions for microsurgical procedures such as apicectomies (through a bone window)</td>
<td>- Reduction ratio: 2:1</td>
</tr>
<tr>
<td>- Maximum operating speed 20,000 rpm</td>
<td>- With thread and knob for snap-on and screw-type polishing attachments (cups, rubber disks and brushes)</td>
</tr>
<tr>
<td></td>
<td>- With multiple sealing disks and brushes (cups, rubber disks and brushes)</td>
</tr>
<tr>
<td></td>
<td>- Applications for subgingival and root treatments, respectively</td>
</tr>
<tr>
<td></td>
<td>- Indications see 61 LRG (use of ortho-strips with 61 LGR restricted, use of MarginShaper not possible)</td>
</tr>
<tr>
<td></td>
<td>- Application with sufficient water spray (min. 50 ml/min)</td>
</tr>
<tr>
<td></td>
<td>- Maximum drive speed 20,000 RPM</td>
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<td></td>
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</tbody>
</table>
KaVo Hygiene - cost-efficient care for your instruments.

KaVo QUATTROcare CLEAN
- Maximum safety: thanks to validated interior cleaning (RKI compliant) combined with perfect, value-conserving care and permanent process monitoring
- Maximum efficiency: thanks to easy, comfortable handling and quick, program-controlled processing
- Low consumable costs: due to environmentally friendly interior cleaning with water vapor
Mat.-no. 1.008.3805

KaVo QUATTROcare PLUS 2124 A
- Optimum care quality: with QUATTROcare plus spray
- Simple and comfortable handling: and fast processing sequence
- Low initial purchase: and consumables costs
Mat.-no. 1.008.3805

KaVo Spray
- Manual instrument and turbine care
- Effective and value-conserving
Mat.-no. 0.411.9400

KaVo CLEANspray / DRYspray
- Manual intensive cleaning: for removing residual protein (German RKI risk assessment: only for semi-critical-B)
Mat.-no. 1.008.4273

Additional instruments of the KaVo Master Series.

Prophylaxis, diagnostic and minimal invasive
- 1.001.9000 DIAGNOcam
- 1.002.7000 DIAGNODent pen
- 1.004.8400 Display

Sonicflex quick 2008 L
- 1.005.9310 Sonicflex quick 2008 L
- 1.007.0540 Sonicflex quick 2008 LS
- 1.007.0541 Sonicflex quick 2008 S

Sonicflex scaler tip set A
- 1.005.9328 Sonicflex scaler tip set A
- 1.006.2020 Sonicflex paro tip set A

INTRA LUX INTRA LUX contra-angle handpiece CL3-09
- 1.002.3693 INTRA LUX INTRA LUX contra-angle handpiece CL3-09

INTRA handpiece CL10
- 1.002.0911 INTRA LUX LINTRA contra-angle handpiece CL3-04

INTRA LUX LINTRA contra-angle handpiece CL3-09
- 1.003.7934 INTRA LUX LINTRA contra-angle handpiece CL3-04

INTRA LUX SL 550 surgical motor
- 1.001.3421 INTRA LUX LINTRA contra-angle handpiece CL3-09

Select from more than 50 tips covering the range from prophylaxis to surgery.

You know what you want. We've got what you need.
The handpiece series from KaVo – the perfect handpieces for every dentist.

KaVo care
- Made by KaVo
- Sound basic configuration
- Entry level price offering access to the KaVo world

More KaVo dental instruments
- Best treatment quality
- Maximum treatment comfort
- Highest patient satisfaction
- Best price-longevity and efficiency
- Maximum work efficiency
- Proven efficient handpiece technology
- Made by KaVo

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A true masters knows no compromise.

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with Direct Stop Technology, 23 Watt output
and extremely quiet operating noise

KaVo. Dental Excellence.