

Dental Excellence
in every area.

SMARTmatic
Quality made in Germany.
Variety made for you.



Practice equipment

KaVo treatment units and lights, dental chairs, patient communication systems, dental microscope and additional operator 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 emitters, sensors and imaging plates, panoramic and teleradiology in combination with DVT, as well as dedicated DVT devices for every symptom 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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Welcome to SMARTmatic!

The smart approach to Dental Excellence.

Since 1909, dental professionals around the world have trusted the quality and precision of KaVo instruments. The more than 5 million turbines, straight handpieces and contra-angle handpieces sold worldwide are a testament to our promise: Dental Excellence.

The new SMARTmatic series unites the legendary, Made in Germany KaVo quality with smart features for optimal ease of use and clinical excellence. As a successor to the established INTRAmatic E / ES series, our SMARTmatic series fits alongside the MASTER and EXPERT series to offer you a new attractive entry into the world of KaVo.

MASTER
EXPERT
SMART



The KaVo SMARTmatic series is perfect for anyone wishing to combine the highest standards in reliability, a broad spectrum of treatment options and amazing performance in one cost-effective package.

SMARTmatic will suit you and your dental chair: All SMARTmatic straight and contra-angle handpieces can be combined universally with any dental chairs with air or electric motors.

That is SMART.

An example of unparalleled quality: SMARTmatic S20 for restorative work.



- Smaller head**
for a better view
- Ceramic sliders within the clamping system**
for enduring and secure tool holding
- Rust-free stainless steel**
for long-lasting durability
- Extremely precise ball bearings**
for a high degree of efficiency
- Lightweight**
for tireless working
- Made in Germany**
for the highest quality
- Optimum balance**
for precise treatment
- Internal spray transmission to the Sprayclip***
for a quick changeover of instruments on all motors

Whether you choose our SMARTmatic instruments for endodontics, restorative, prophylaxis or another application, treatment has never been this smart.

KaVo SMARTmatic offers you excellent benefits, including its rust-free stainless steel workmanship, a particularly small head and more. KaVo quality has never been more affordable.

* applies only to instruments S10 S and S20 S

SMARTmatic is quality that you can see and feel.

Beyond just love at first sight, you'll grow even more impressed with every treatment. SMARTmatic straight and contra-angle handpieces combine excellent conditions with amazing performance, reliability, versatility and efficiency. Take a look for yourself.



Whichever instrument you choose from the KaVo SMARTmatic series, it will amaze you with its many benefits that other instruments just cannot offer.



100% Made in Germany

All instruments are developed and produced exclusively in Germany.



Universally suitable

Usable with all dental chairs with air and electric motors (ISO 3694) and internal or external spray.



Premium materials

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



Smaller head

Compact dimensions for the best view and precise treatment.

- Easily operated clamping device for one-click tool exchange.
- High quality, seamless surfaces for rapid cleaning and flawless hygiene.

- Lightweight, perfectly balanced slimline design.
- Extremely hard-wearing ball bearings for long-lasting smooth operation and a high degree of efficiency.

- Can be washed and disinfected in thermal disinfectant, sterilisable to 138 °C / 280.4° F.
- High KaVo customer satisfaction, demonstrated by 98% repurchasing rate for KaVo instruments.

- Small head dimensions enable the best view of the treatment area and precise work.
- Suitable for all requirements whether you're pursuing restorative, endodontics or prophylaxis.

Anything is possible — just not a high price!

With its wide selection of instruments*, KaVo SMARTmatic offers a wide range of possibilities for different dental applications.

Model*	S10 S	S10	S20 S	S20	ENDO S81	ENDO S321	PROPHY S19	PROPHY S31	PROPHY S33	S53
Main application	Restorative	Restorative	Restorative	Restorative	Endo	Endo	Prophy	Prophy	Prophy	Prophy, Endo
Spray	x	-	x	-	-	-	-	-	-	-
Operating speed transmission	1:1	1:1	1:1	1:1	8:1	32:1	8:1	8:1	8:1 70° osc Rotation direction	
Max. drive operating speed rpm.	40.000	40.000	40.000	40.000	40.000	40.000	20.000	20.000	20.000	20.000
Shaft/ clamping device	2,35 mm	2,35 mm	2,35 mm	2,35 mm	2,35 mm	2,35mm	Doriot	Screw-In und Snap-On	Snap-On	2,35 mm
Item no.	1.011.6732	1.011.6730	1.011.6752	1.011.6750	1.011.6780	1.011.6790	1.011.6740	1.011.6760	1.011.6800	1.011.6810
Features	For straight and contra-angle handpiece drills	-	-	-	-	-	For disposable prophylaxis angles	Double-threaded (1-64-UNC and 1-72-UNF) for screw-type polisher / brushes. Unscrewable holder for Snap-On polishing applications.	Holder for Snap-On polishing applications	Usable with polishing and root canal instruments
Suitable for the following KaVo motor	 INTRA MULTIflex L-Motor 181 H	Air motor, Speed range from 5,000 to 20,000 rpm, forward and backward running, sterilisable, 4-hole connection - INTRAMatic 2-coupling, Mat.-No. 0.535.5200			 INTRA MULTIflex L-Motor 181 M	Air motor, speed range from 5,000 to 20,000 rpm, forward and backward running, sterilisable, for connection to MULTIflex coupler, INTRAMatic 2 coupler. Mat. no. 0.535.5250		 INTRA LU X Motor KL 703 LED	Brushless electrical motor, speed range from 100 to 40,000 rpm (in connection with KaVo electronics 1.006.1037), controlled torque, max. Torque 2.7 Ncm, sterilisable, LED exchangeable by user. Mat. no. 1.007.0150	

* Country-specific availability