# **KaVo EXPERT series**

### **KaVo SMART series**

### Enjoy maximum power with innovative KaVo comfort.

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

#### Handpieces and contra-angle handpieces

Features of the MASTERmatic series · Plasmatec coating for perfect grip Glass rod light conductor · Internally guided, separate cooling media







INTRA head 2:1

INTRA Micro head 1:1

L22 | Mat. No. 1.008.1835

Round bur, size 2 and U-inverted cone bur size 0 -

for microsurgery - max. speed: 20,000 rpm

Push-button chuck – for contra-angle handpiece burs – includes debris deflector disc and reinforced chuck system - max. speed: 40,000 rpm L68 | Mat. No. 1.008.1833

Push-button chuck - for FG-burs Ø 1.6 mm (1/16 in) - max. speed: 40,000 r L80 | Mat. No. 1.004.4456

INTRA head 10:1 Push-button chuck – for contra-angle handpiece burs and root canal filler instruments max. speed: 2,000 rpm L62 | Mat. No. 1.008.1830

INTRA Endo head

Push-button chuck – for manual root canal instruments with grip diameter 3.5-4.0 mm (9/64-5/32 in) - reciprocating rotation through L3 | Mat. No. 1.008.1822

Push-button chuck – for contra-angle handpiece burs – includes debris deflector disc and reinforced chuck system - max. speed: 20,000 rpm L67 | Mat. No. 1.008.1832

MASTERmatic LUX speed increasing contra angle

More space due to the 100°/19° head/knee angle combina

tion and smaller heads - 3-port spray - push-button chuck

- ceramic ball bearing -head 20 % smaller than GENTLEpower

handpiece 1:5 transmission ratio

M25 L | Mat. No. 1.009.3630

14 exchangeable heads

M07 L | Mat. No. 1.009.3610

LUX 25 LP -mvery low noise level (55 dB(A))

MASTERmatic LUX reducing shank 2.7:1

Maximum treatment flexibility and options provided by

Push-button chuck – ball bearings – for contra-angle handpiece burs and root canal instruments - suitable for endo function of the ESTETICA E70/E80 Vision in combination with L68 B | Mat. No. 1.008.1834

INTRA Prophy head 2:1 With thread and knob - for screw-type and snap-on polishing attachments - with multiple seals to prevent penetration of polishing paste max. speed: 15,000 rpm

INTRA Endo head Push-button chuck - for manual root canal instruments with grip diameter of 3.5 - 4.0 mm - lift motion 0.4 mm - instrument receptacle rotates L3 Y | Mat. No. 1.008.1823

INTRA head 3:1 Push-button chuck – ball bearings – for

MASTERmatic LUX speed increasing contra-angle

More space due to the 100°/19° head/knee angle comb

bearing - head 43 % smaller than GENTLEpower

M05 L | Mat. No. 1.009.3640

MASTERmatic LUX shank 1:1

14 exchangeable heads

M20 L | Mat. No. 1.009.3620

and smaller heads - miniature head specifically for short-

shank burs - 1-port spray - push-button chuck - ceramic ball

instruments - suitable for endo function of the ESTETICA E70/E80 Vision in combination with MASTERmatic M20 L L66 B | Mat. No. 1.008.1831

contra-angle handpiece burs and root canal

Files rotate freely – with buffered 0.8 mm (1/32 in) stroke - for files by Intensiv - max. speed: 20,000 rpm L61 G | Mat. No. 1.008.1828

INTRA EVA head

INTRA Endo/Prophy head Push-button chuck - for root canal instrumen and polishing attachments with 2.35 mm shaft diameter (latch) - reciprocating rotation through 60° – max. speed: 3,000 rpm

# Rely on advanced KaVo performance.

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

#### Handpieces and contra-angle handpieces

Features of the EXPERTmatic series • KaVo EXPERTgrip for better grip

E25 L/ E20 L/ E15L: Glass rod light conductor

24 months warranty

handpiece 1:5

EXPERTmatic LUX speed increasing contra-angle



EXPERTmatic speed increasing contra-angle handpiece with 1:5 transmission ratio 3-port spray - push-button chuck - ceramic ball bearings E25 C (without light) | Mat. No. 1.007.5551

EXPERTmatic handpiece 1:1

For both handpiece and contra-angle handpiece burs E10 C (without light) | Mat. No. 1.007.5560



Push-button chuck - for contra-angle handpiece burs debris deflector disc and reinforced chuck system E20 L | Mat. No. 1.007.5540



E20 C (without light) | Mat. No. 1.007.5541

**EXPERTmatic prophylaxis contra-angle** handpiece 5.4:1 Prophylactic contra-angle handpiece for screw-type and snap-on polishing attachments

E31 C (without light) | Mat. No. 1.008.4998



E15 L | Mat. No. 1.007.5530

EXPERTmatic reducing contra-angle handpiece 5.4:1 Push-button chuck - for contra-angle handpiece burs debris deflector disc and reinforced chuck system E15 C (without light) | Mat. No. 1.007.5531



handpiece 2.7:1 Prep control head with 36 locking positions for inserts - with buffered 0.8 mm (1/32 in) stroke E61 C (without light) | Mat. No. 1.008.4999

# Start safe with affordable KaVo quality.

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

Handpieces and contra-angle handpieces 

Features of the SMARTmatic series

 Smaller head Ceramic sliders within the clamping syster · Rust-free stainless steel • Extremely precise ball bearings Optimum balance · 12 months warranty



For burs with shaft Ø 2.35 mm - Internal spray transmission the Sprayclip - max. speed: 40,000 rpm S20 S | Mat. No. 1.011.6752 S20 | Mat. No. 1.011.6750

SMARTmatic ENDO S81 8:1 For endodontic files with shaft Ø 2.35 mm – max. speed:

40.000 rpm S81 | Mat. No. 1.011.6780



SMARTmatic PROPHY S31 8:1 Screw-in and snap-on - max. speed: 20,000 rpm double-threaded for screwtype polisher/brushes unscrewable holder for snap-on polishing applications S31 | Mat.No. 1.011.6760

SMARTmatic PROPHY S33 8:1/ 70° oscillating rotation direction Snap-on - max. speed: 20,000 rpm with holder for snap-on polishing applications

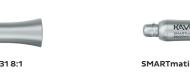
S33 | Mat. No. 1.011.6800



S10 S | Mat. No. 1.011.6732 Also available without spray

SMARTmatic ENDO S321 32:1

For endodontic files with shaft Ø 2.35 mm – max. speed: 40.000 rpm S321 | Mat. No. 1.011.6790



**SMARTmatic PROPHY S19 8:1** Doriot - max. speed: 20,000 rpm - for disposable prophylaxis angles



70° oscillating rotation direction For burs with shaft Ø 2.35 mm - max. speed: 20,000 rpm usable with polishing and root canal instruments S53 | Mat. No. 1.011.6810

# Electric Motors / Air Motors / ELECTROmatic

Turbines I35°C

MASTERtorque™ series Features of the MASTERtorque series · Direct Stop Technology DST: Bur stops in one second, no suck-back of aerosols Plasmatec coating for perfect grip Replaceable spray microfilte Chuck retention force up to 32 N · Carbide guiding bush · Glass rod light conductor Perfect sight and good access: small head and 100°/19° head/ knee angle

· 24 months warranty



MASTERtorque LUX Turbine Maximum power 31 Watt - low noise level: up to 57 dB(A) head height 13.1 mm - 4-port spray M9000 L | Mat. No. 1.008.7900 M9000 LS\* | Mat. No. 1.008.5400 M9000 L chocolate brown | Mat. No. 1.007.9900



 ${\it Maximum power data are measured at max. pressure settings for MULTIflex versions.}$ 

M9000 Lanthracite | Mat. No. 1.007.7100 \* This instrument fits a non KaVo coupling system (LS = KaVo turbine fits to Sirona Click&Go- coupling)

MASTERtorque Mini LUX Turbine Extra small head: head height 12.1 mm - low noise level: up to 59 dB(A) - maximum power 30 Watt - 3-port spray for standard and miniature burs M8700 L | Mat. No. 3.001.0000 M8700 LS\* | Mat. No. 3.001.0600



MASTERmatic LUX speed increasing contra-angle

- push-button chuck - ceramic ball bearings - CoolHead

For both handpiece and contra-angle handpiece burs

INTRA Mini head 1:1

L52 | Mat. No. 1.008.1825

INTRA EVA head

L61 R | Mat. No. 1.008.1829

Push-button chuck - for miniature contra-angle

handpiece burs (16 mm (5/8 in)) - max. speed:

With 36 separate locking positions for locking

for files by Intensiv - max. speed: 20,000 rpm

files - with buffered 0.8 mm (1/32 in) stroke

M45 L | Mat. No. 1.014.0280

MASTERmatic LUX handpiece 1:1

M10 L | Mat. No. 1.009.3570

Great access and visibility in the molar area due to the unique







Turbines III

Features of the EXPERTtorque series:

· Replaceable spray microfilter Push-button chuck

head/knee angle combination
• 24 months warranty

· Carbide guiding bush

Ceramic ball bearing

Chuck retention force up to 30 N

Perfect sight: Small head and 100°/19°

EXPERTtorque™ series

Speed range up to 20,000 rpm - forward a backward running - 4-hole connection -non ontic -no water - no chip air - to be us

**EXPERTtorque LUX Turbine** 

E680 L | Mat. No. 1.006.8700

E680 LS\* | Mat. No. 1.006.4600

E680 LN\* | Mat. No. 1.006.4700

Maximum power 29 Watt – glass rod light

conductor (25.000 Lux) - 4-port spray - head

\* This instrument fits a non KaVo coupling system

height 13.6 mm - noise level up to 59dB(A)

**EXPERTtorque Turbine** 

59dB(A) in average

(LS = KaVo turbine fits to Sirona Click&Go- coupling, LN = KaVo turbine fits to NSK FlexQuick- coupling)

 ${\it Maximum power data} \ {\it are measured at max}. \ {\it pressure settings for MULTIflex} \ {\it versions}.$ 

Maximum power 29 Watt - 4-port spray

head height 13.6 mm - noise level up to

E680 C (without light) | Mat. No. 1.006.9000

ELECTROmatic<sup>™</sup> - The conversion kit from air to electrics



**EXPERTtorque Mini LUX Turbine** Extra small head: head height 12.2 mm three-port spray - glass rod light conductor maximum power 27 Watt - noise level up to 59 dB(A) in average

E677 L | Mat. No. 1.007.3600



KAVO SMARTtorqui Miniature head - 22 Watt Power - ceramic bearings - made in Germany - glass rod light conductor - push-button chuck single-port spray S615 L | Mat. No. 1.008.1643



Fix coupling turbines

22 Watt Power

Mat. No. 1.008.1645

S609 C (without light) - 4-hole standard connector Midwest Mat. No. 1.008.1644 S605 C (without light) – 4-hole standard connector Midwest

Maximum power data are measured at max. pressure settings.

## MULTIflex™ Couplings



Surgery portfolio



Large colour touchscreen (4.3") - wireless surgical foot control - data documentation (SD memory card) - multi-program - integrated

cooling pump – hose set – max. torque 80 Ncm – motor INTRA LUX S600 LED (brushless motor, speed range: 0 – 40,000 rpm, motor and













# Surgery portfolio



EXPERTsurg LUX Surgical unit Large colour display (4.3") - multifunctional foot control (cable length 2.5 m) - Single-usereration for saving data – integrated cooling pump – hose set – max. torque 80 Ncm – motor INTRA LUX S600 LED (brushless motor, speed range: 0 - 40,000 rpm, motor and motor cable: autoclavable & disinfectable) - 12 months warranty EXPERTsurg S600 LED | Mat. No. 1.008.3500

#### Surgery portfolio Sectioning and Extraction of Molar



45 degree head angle - for 25 mm burs - 19 W - no air into bur direction, went out in 2 side vents - ceramic ball bearing glas rod light conductur - standard head size - push-button chuck - glass rod light conductor - single water jet - suitable for MULTIflex coupling 459 L | Mat. No. 3.000.4808

SURGtorque 459 C 45 degree head angle - for 25 mm burs - 19 W - no air into bur direction, went out in 2 side vents - ceramic ball bearing -4-hole standard connection - standard head size - pushbutton chuck - single water jet 459 C | Mat. No. 3.000.5063

# Surgery handpieces and contra-angle handpieces

MASTERsurg LUX Wireless Surgical unit

MASTERsurg LUX Wireless | Mat. No. 1.009 1200

INTRA LUX S600 LED | Mat. No. 1.008.8000

motor cable: autoclavable & disinfectable) - 12 months warranty



eSCALER

SONICflex™ quick 2008

SONICflex quick Set 2008 I. I Mat. No. 1.007.1604

3 adjustable power levels – 2008 L/ LS: glass rod light conductor – for KaVo or Sirona

Ass rod light conductor – head and shank can be asily dismantled – head with internal cooling system according to Kirschner and Meyer) – external cooling connection – reinforced gearboxes for higher torques

SONICflex quick handpiece 2008 I. I Mat. No. 1.005.9310

SONICflex quick handpiece 2008 LS\* | Mat. No. 1.007.0540

For all applications ranging from prophylaxis to surgery – 50 different tips -

tips no. 5/6/7 - 24 months warranty

SONICflex LUX Set 2003 L | Mat. No. 1.000.8333

 ${\sf SONICflex\ LUX\ handpiece\ 2003\ L\ |\ Mat.\ No.\ 1.000.4243}$ 

 ${\sf SONICflex\,Set\,2003\,(without\,light)\,|\,Mat.\,No.\,1.000.8334}$ SONICflex handpiece 2003 (without light) | Mat. No. 1.000.4246

frequency: 6,000~Hz-3~adjustable~power~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~of~motion:~circular-includes~torque~wrench-SONICflex~Set~includes~scaler~levels-2003~L:~glass~rod~light~conductor-direction~light~conductor-dire



Prophylaxis and Minimally invasive applications

Prophylaxis and Minimally invasive applications

For prophylaxis and periodontology – ring-shaped LEDs – frequency: 24-32 kHz – 10 stepless adjustable

power levels – Dynamic Performance Technology™ – linear oscillating tip movement – light guide and LED module exchangeable without a technician – 12 months warranty



supragirigivai –

Hygiene and Care

rfill Set | Mat. No. 1.010.0287 ROPHYflex 4 Perio Kit | Mat. No. 1.011.9403

KaVo QUATTROcare™ PLUS 2124 A

pophyflex – removes hiofilm in periodont

mooth - tasteless - alvoine nowder

For all invasive applications ranging from prophylaxis to surgery – more than 50 different tips – rapid tip switch – frequency:  $6,000\,Hz$  –

couplings - direction of motion: circular - includes torque wrench - SONICflex quick Set includes scaler tips no. 5A/6A/7A - 24 months

SONICflex quick Set 2008 (without light) | Mat. No. 1.007.1606 SONICflex quick handpiece 2008 (without light) | Mat. No. 1.005.9311









of movement: circular - internal water cooling -

suitable for MULTIflex coupling - includes torque

wrench and SONICflex scaler tip no. 5 "Universal"

12 months warranty

2000 N | Mat. No. 0.5710.5020



### Minimal and adhesive procedures



Air abrasion system with water spray for minimal invasive cavity preparation, better bonding strength for all adhesive techniques, minimal invasive fissure opening and repair of composite and ceramic restaurations – MULTIflex coupling – 360 | Mat. No. 1.002.2179 RONDOflex Abrasive powder 27 µm 1000 g | Mat. No. 1.000. 5957 RONDOflex Abrasive powder 50 µm 1000 g | Mat. No. 1.000.5956



Programme-controlled unit for automatic maintenance of contra-angle handpieces, handpieces and turbines incl. separate chuck care programme with 3 INTRAmatic and MULTIflex service couplings - includes 1 can QUATTROcare Plus Spray – service couplings for all common competitor products are available as accessories - 12 months warranty 2124 A | Mat. No. 1.008.3805





air motors; environmentally-friendly propellant - content 500 ml - supplied in units of 6 cans only - spray heads to be ordered separately 2112 A | Mat. No. 0.411.9640 Spray head for COMFORTdrive (1 pc.) Mat. No. 1.005.3154 INTRA spray heads (5 pc.) Mat. No. 0.411.9911 Spray head for NSK turbines (1 pc.) Mat. No. 1.005.8436 Spray heads for MULTIflex system (5 pc.) Mat. No. 0.411.9921 Spray head for Sirona turbines (1 pc.)

Universal maintenance spray for manual maintenance of KaVo instruments, turbines, and

Mat. No. 1.005.8365



KaVo CLEANspray™/DRYspray™  $\mathsf{CLEANspray}^\mathsf{TM}$ : Ready-to-use solution for the non proteinfixing cleaning (internal and external surfaces) of dental hollow DRYspray™: Ready-to-use spray for the drying after cleaning and/or disinfection of the internal surfaces of dental hollow Pack. KaVo CLEANspray (4 cans): 2110 P | Mat. No. 1.007.0579 Pack. KaVo DRYspray (4 cans): 2117 P | Mat. No. 1.007.0580

