



KAVO SURGICAL

Your guide to KaVo's surgical collection

KAVO
Dental Excellence

KaVo Surgical Systems

The KaVo Surgical portfolio redefines the best. KaVo's **MASTERSurg™ LUX Wireless** and **EXPERTSurg™** units offer simple, intuitive functionality, intelligent power and precise torque.

KaVo **INTRA™ LUX S600 LED** surgical micro-motor and **SURGmatic™ Series** attachments complete KaVo's surgical portfolio and offer the perfect tools to transform and simplify your surgical workflow.

With KaVo Surgical Systems, you can effortlessly perform a wide variety of surgical applications including:








- Implants
- Extractions
- Hemisections
- Apicectomy
- Osteotomy
- Alveolectomy

As well as non-surgical activities:

- Crown preparations
- Crown lengthening
- Separation of crowns



KaVo Surgical Attachment Collection

							
SURGmatic™	S15L Pro	S201 XL Pro	S201 L Pro	S11L	3610N1	3610N2	3610N3
Transmission	Speed-increasing 1:5	Reduction Ratio 20:1	Reduction Ratio 20:1	1:1 Transmission	1:1 Transmission	1:1 Transmission	1:1 Transmission
Features	CoolHead Technology, EXPERTgrip, 3-port spray hits the bur shaft at 10 mm, 30 mm and 80 mm for optimal cooling of the entire bur	Hexigon clamping system, EXPERTgrip™, Removeable head, easy to clean	EXPERTgrip™, Removeable head, easy to clean	EXPERTgrip, External spray	Surgical straight attachment easily dismantled for cleaning		
Part no.	1014.4000	1013.7541	1013.7541	1009.1010	0524.5600	0524.5610	0524.5620

MASTERSurg™ LUX Wireless
Part no. 1009.1200



EXPERTsurg™ LUX
Part no. 1008.3500



SURGmatic S15 L Pro

Efficient Performance. Crafted by KaVo.

Experience efficiency and quality performance with KaVo's **NEW** **SURGmatic™ S15 L Pro**. Effortlessly perform a wide variety of surgical applications with the exceptional cutting performance you expect from KaVo. Make this your new go-to surgical handpiece for your practice.

CoolHead Technology

For improved patient safety

Optics

For optimal visibility of the surgical field

EXPERTgrip

EXPERTgrip™ surface allows for better handling and ergonomics

Speed Increasing Contra-Angle

With a ratio of 1:5 and up to 200,000 rpm

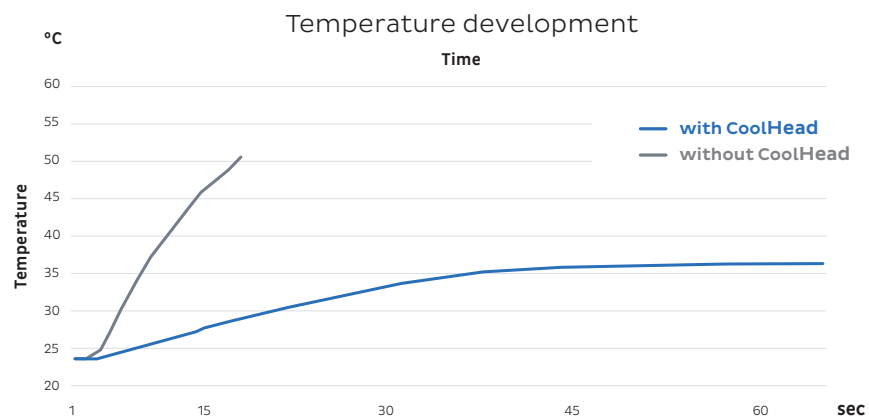
NEW!



Standout Features



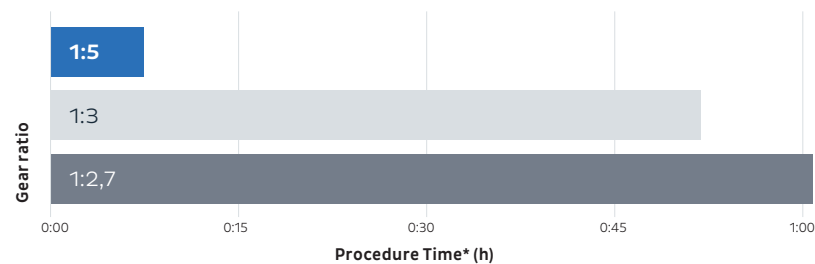
The optimized 3-port spray hits the bur shaft at 10 mm, 30 mm and 80 mm ensuring optimal cooling of the entire bur. Providing you peace-of-mind, KaVo craftsmanship considers every detail during our innovation process.



CoolHead Technology

KaVo's CoolHead technology actively prevents excessive heating of the head if the push button is accidentally pressed. The chart above is a comparison if the push button is accidentally pressed during a procedure.

The SURGmatic S15 L Pro is the fastest surgical high-speed on the market



* Representation of the average period of time for cutting through a defined sample of zirconium oxide

Efficiency

The reliable cutting performance enables you to work efficiently even during the most complex procedures.

SURGmatic Pro Series

Durable Performance. Boundless Power.

With our **SURGmatic™ Pro** instruments, KaVo has set the new standard in this premium segment and, as you would expect, meets the highest requirements in terms of performance, handling, and durability. Our **SURGmatic™ Pro 20:1** handpieces provide you with a powerful, durable solution that can safely and effectively prepare the implant site and securely place a wide range of dental implants.

Optional Hexagonal Clamping System

Optimizes durability by spreading the distribution of torque over a larger area of the tool shaft

Optics

For better visibility of the surgical field

EXPERTgrip

EXPERTgrip™ surface allows for better handling and ergonomics

Internal Cooling

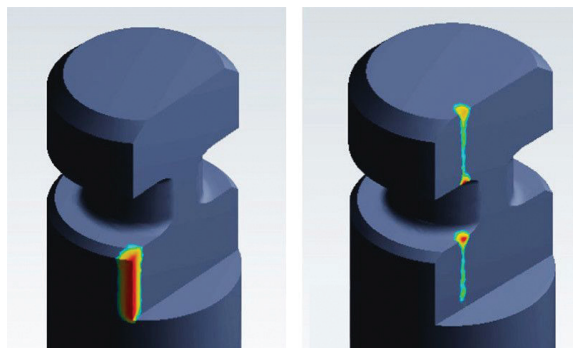
Kirschner and Meyer Irrigation system provides external and internal cooling for increased patient comfort and safety



Standout Features



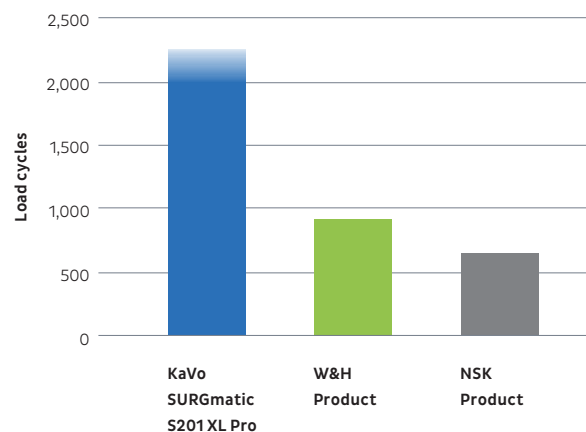
With the newly developed hexagonal clamping system the strain on the instruments and shafts during treatment is reduced. This increases the number of treatment cycles to more than 2,000. That is considerably more than the market average.



Previous Generation: High loads on the edge of the tool could result in significant deformation. This results in shaft interference in the clamping system.

The compressive load on individual zones is distinctly reduced by optimization of the torque transfer surface.

Distribution of torque over a larger area and shifting strain from the edge of the shaft toward the center axis prevents deformation of both the tool edge and the tool shaft - leading to demonstrably improved handpiece and tool service life.



SURGmatic S201 XL Pro Product comparison test performed at maximum torque of 80 Ncm:

- Test performed to failure on three sets of products from mass production
- The mean number of torque loading cycles until failure is shown
- Test stopped at 2,000 cycles
- Instruments being tested are exposed to strain using a test bench set-up which realistically simulates the luxation process of implants with regard to the torque load

MASTERSurg LUX Wireless

Powerful Performance. Easy User Interface.

MASTERSurg™ LUX Wireless can be used for all surgical applications and offers intelligent power and precise torque. The wireless foot control makes the **MASTERSurg™** a tidy and comfortable system to use while delivering maximum performance and safety. Easily customize up to 10 programs, each with 10 programmable steps for your desired implant workflow.

More Comfort Features

- Simple, intuitive programming with exclusive glass panel touchscreen
- Choose a convenient location in your workplace thanks to wireless foot control
- Support procedure due to graphical real time display of torque and digital data

More You, Every Step of the Way

- 10 customizable programs to meet individual requirements
- Flexibility due to multi program mode to save settings

Maximum Power and Precision

- 80 Ncm torque at the instrument
- SMARTdrive technology for high torque and minimum vibration at the start
- One touch auto-calibration guarantees precise speed and torque for maximum safety

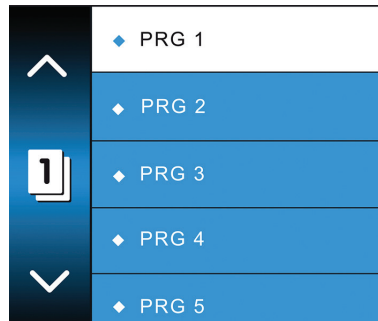
Technical Specifications

- Speed range 0-40,000 rpm
- Pump flow rate 0-110 mL/min



MASTERSurg™ LUX Wireless
Part no. 1009.1200

Standout Features



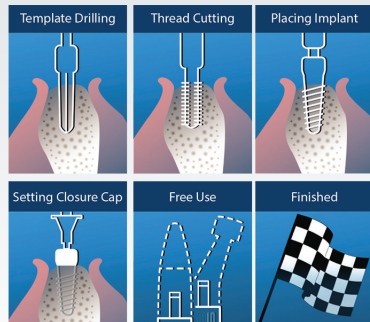
Multi-Programming

The MASTERSurg features easy multiprogramming. Customizable to individual requirements, the MASTERSurg has the ability to store settings for different bone density, implant systems and users - 10 customizable procedures, each with 10 programmable steps can be stored for multiple procedures and preferences. Enjoy the flexibility in multiple program mode to save settings.



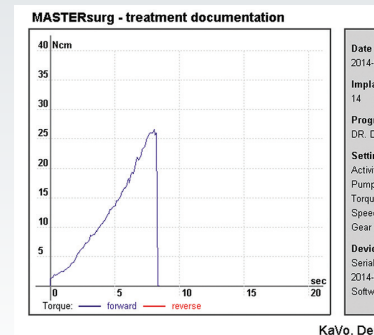
One Touch Auto Calibration

One touch auto-calibration guarantees precise speed and torque for maximum safety. KaVo enables easy and accurate calibration of the motor and instruments providing peace of mind and security for precision in implant cases. This time-saving, automatic calibration starts by just one touch of a button.



Customizable Workflow

Enjoy alleviation of work through freely programmable workflows with the MASTERSurg. This product features visual icons of all working steps for quick orientation. Customize the procedure workflow: 4 to 10 program steps possible within as many as 10 presets.



Data Recording

The MASTERSurg features Clear Data Recording, a real time torque display for quality control and optional storage on SD card for easy transfer of procedure information to the patient file.



INTRA LUX S600 LED Motor

KaVo's MASTERSurg allows for better accessibility and ergonomics due to one of the world's lightest and smallest micro-motors. The light and small motor together with the flexible motor tubing allows ergonomic and fatigue-free working.



Flexible comfort

The wireless foot control for MASTERSurg LUX creates comfort allowing you to position in a convenient location eliminating cords and fixed treatment positioning.

EXPERTsurg

Reliable & Smooth Performance.

EXPERTsurg™ is easy to operate, saving you time to perform at your best. One touch auto calibration guarantees precise speed and torque for maximum safety. Easy to use color display makes **EXPERTsurg™** simple to operate saving you time to perform at your best.

Maximum Power and Precision

- 80 Ncm torque at the instrument
- SMARTdrive technology for high torque and minimum vibration at the start
- One touch auto-calibration guarantees precise speed and torque for maximum safety

Time Saving Easy-to-Use Functions and Features

- Intuitive, straight forward programming
- Symbolic references and color display
- Easy to clean

Technical Specifications

- Input voltage 100 V-240 V
- Pump flow rate 0-110 mL/min



EXPERTsurg™
Part no. 1008.3500

Standout Features



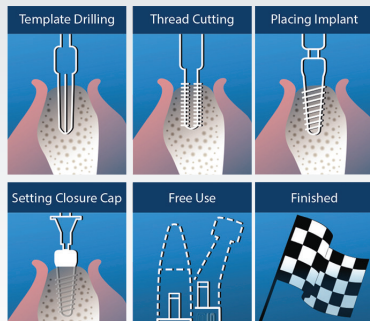
Color Display

The EXPERTSurg features an intuitive user interface with symbolic references and color display allowing for accurate display of all key operational parameters including adjustable maximum torque and motor speed.



One Touch Auto Calibration

One touch auto-calibration guarantees precise speed and torque for maximum safety. KaVo enables easy and accurate calibration of the motor and instruments providing peace of mind and security for precision in implant cases. This time-saving, automatic calibration starts by just one touch of a button.



Customizable Workflow

Enjoy alleviation of work through freely programmable workflows with the EXPERTSurg. This product features visual icons of all working steps for quick orientation. Customize your procedure workflow from 4 up to 10 program steps can be customized.



INTRA™ LUX S600 LED Motor

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Dental Excellence from KaVo.

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