

KaVo INTRAsurg® 1000/1000 Air

KaVo.
The state-of-the-art solution for
implant surgery.



KaVo. Dental Excellence.

Only the best will do.

When it comes to your job and the results of your work, second-best simply isn't an option. And that is why KaVo INTRAsurg 1000 is the ideal choice for you.

Double drive

In addition to its proven and powerful SL 550 motor with rotational action, KaVo INTRAsurg 1000 Air also offers you reciprocal mechanical action for precise and accurate surgery thanks to the integrated KaVo SONIC-flex system.

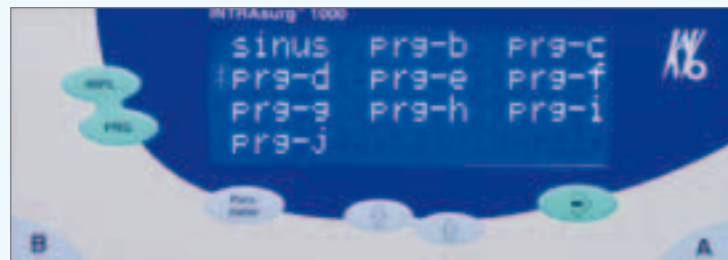
Programmed for precision

With KaVo INTRAsurg 1000 you can program ten different surgical procedures with up to ten individual steps. Standardised procedures help simplify your work; every parameter can be customised to suit your specific procedures.

A customised approach to teamwork

KaVo INTRAsurg 1000 allows multiple dentists in one practice to customise their own personal programmes which they can then call up before starting surgery.

KaVo INTRAsurg 1000 Air



Multi-user/multi-implant menu with 10 customisable programmes



The configuration is always right.

Every dental implant procedure has a surgical sequence for which the individual steps are planned thoroughly in advance. So doesn't it make perfect sense to program the settings for these sequences in detail beforehand so they can be called up whenever they are needed?

For when you need everything to go according to plan

With KaVo INTRAsurg 1000 you can store programmes for various different surgical procedures, including sinus lift with implant placement, bone splitting with implant placement or implanting in accordance with the manufacturer's instructions for the implant system being used.

Parameters are the key

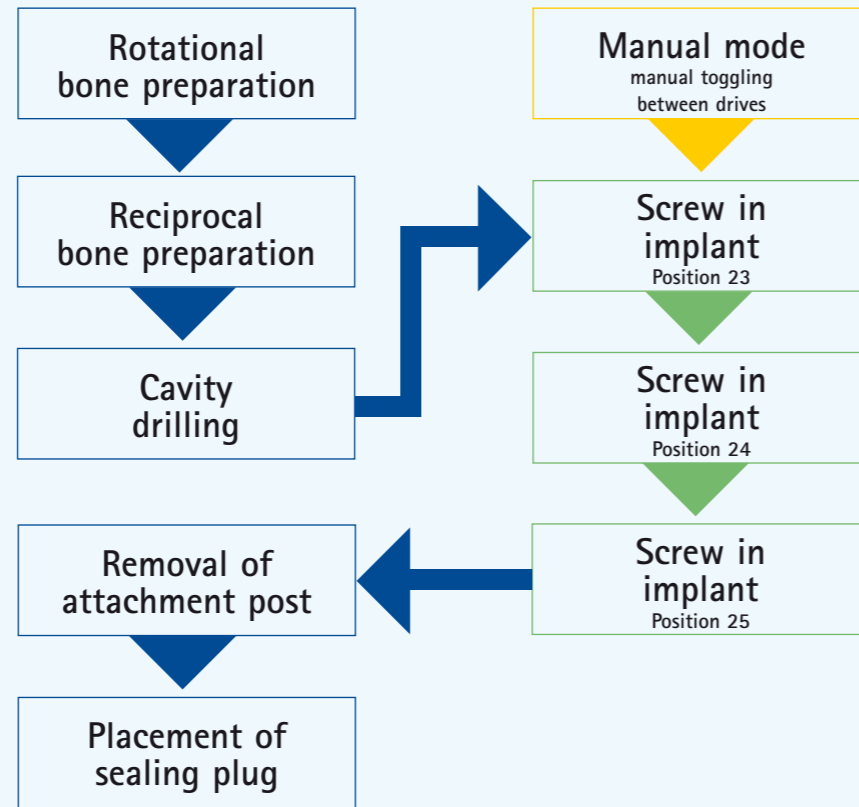
Before surgery, you preselect the treatment parameters you need for the procedure in question, and KaVo INTRAsurg 1000 adheres to these during the procedure. The customisable parameters are as follows:

- Rotational or reciprocal mechanical action
- Torque
- Speed
- Gearbox ratio
- Cooling
- Rotational direction of motor

Alternative mode

You can also use all functions, such as reciprocal bone treatment, in manual mode – i.e. without any configured programme.

Programmed operation



The control centre for KaVo INTRAsurg – surgically approved (IPXB)

Rotational plus reciprocal equals optimum choice.

Motor-driven rotational work on bones is quick and powerful. Air-driven reciprocal bone preparation is precise, controlled and gentle on tissue and nerves; a very useful choice to have within implant surgery.

In an ideal world, it would be easy to switch between the two modes. And with KaVo INTRAsurg 1000, it is; only when used in combination can the two modes really show their strengths to full advantage.

KaVo SONICflex; for reciprocal mechanical action

The proven functionality of KaVo SONICflex also has the following great benefits for implant surgery:

- Large, variable swing amplitude (120, 160 and 240 µm)
- Low frequency (6,000 Hz)
- Elliptical tip movement

The large swing amplitude is particularly effective and extremely precise. Its low frequency minimises heat generation, meaning that there is no risk of necrosis.

The elliptical tip movement offers complete and multi-directional freedom of movement – both horizontal and vertical.

Implantology brilliance

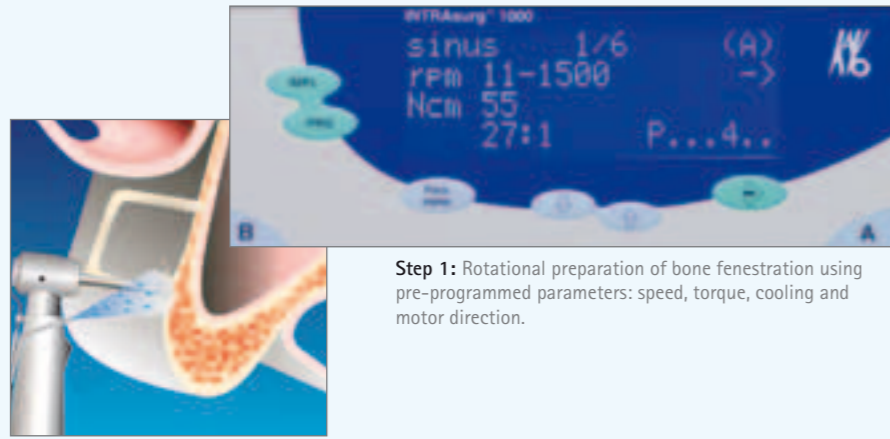
When it comes to shedding light on the matter, KaVo is the only place to turn: KaVo INTRAsurg 1000 is equipped with the proven, powerful LUX motor as used in INTRAsurg 300 plus.

The available straight and contra-angle handpieces with illumination meet all implant surgery requirements and their attachment is automatically detected by the motor.

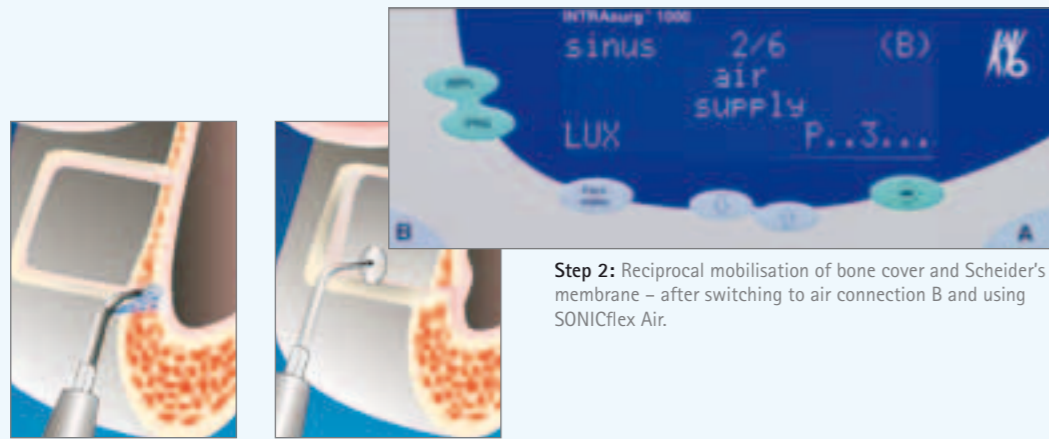
Naturally, SONICflex is also equipped with this important feature, bringing light to even the most remote areas of the mouth. The perfect accessory for precision dental work.



Exemplary sinus lifting.



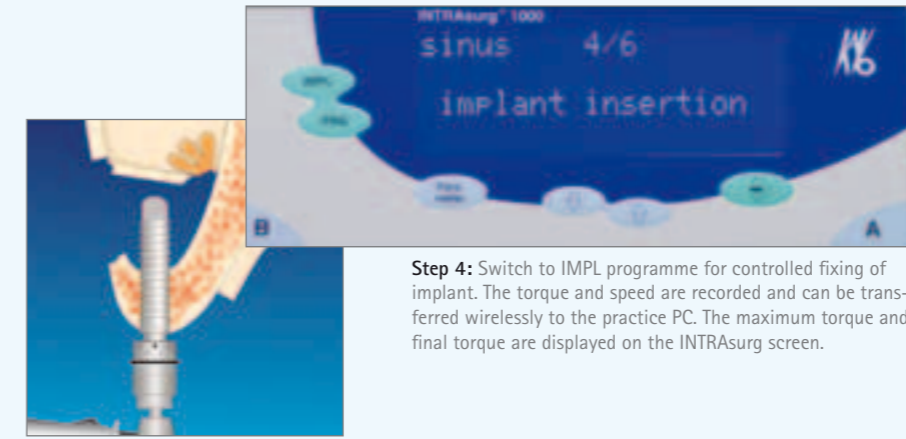
Step 1: Rotational preparation of bone fenestration using pre-programmed parameters: speed, torque, cooling and motor direction.



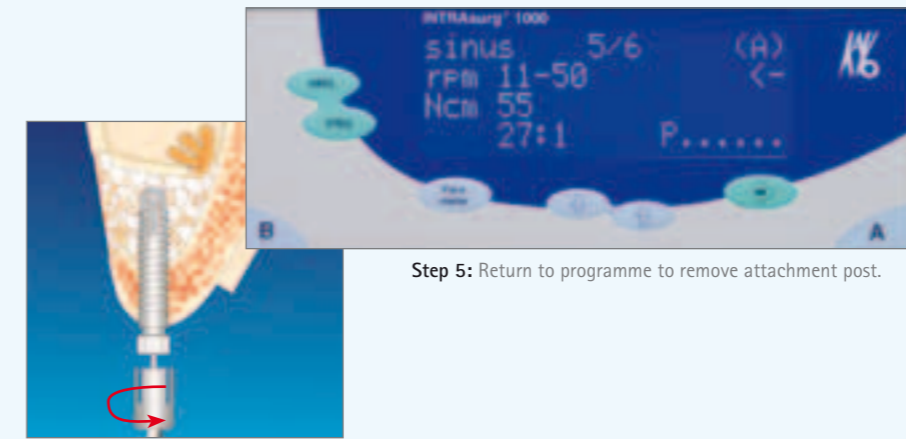
Step 2: Reciprocal mobilisation of bone cover and Schneider's membrane – after switching to air connection B and using SONICflex Air.



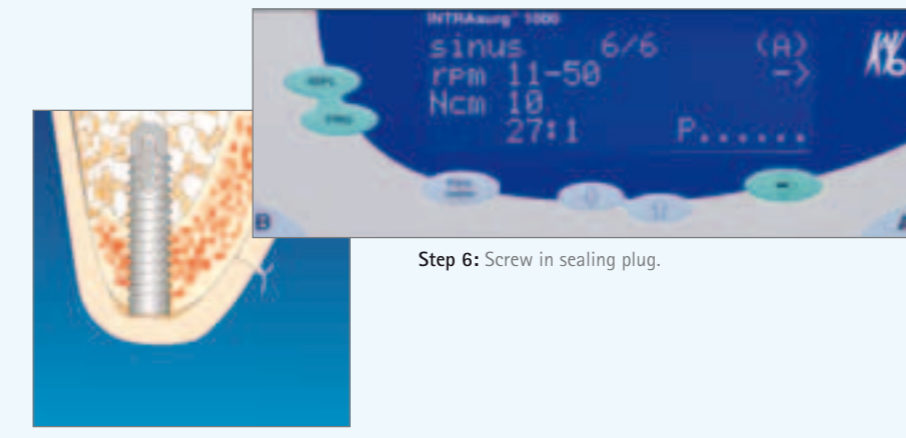
Step 3: Implant cavity drilled using pre-programmed parameters: speed, torque, cooling and motor direction.



Step 4: Switch to IMPL programme for controlled fixing of implant. The torque and speed are recorded and can be transferred wirelessly to the practice PC. The maximum torque and final torque are displayed on the INTRAsurg screen.



Step 5: Return to programme to remove attachment post.



Step 6: Screw in sealing plug.

KaVo INTRAsurg® 1000/1000 Air

Technical data.



INTRAsurg 1000

Technical data

Voltage:	100V to 240V
LUX motor:	INTRA-LUX SL 550
Speed range:	300 – 40.000 min ⁻¹
Max. torque:	300 to 12.000 min ⁻¹ – 5,5 Ncm 12.000 – 40.000 min ⁻¹ – 5,5-2,0 Ncm
Pump delivery:	20 – 110 ml/min

10 programmes with up to 10 steps:

- Customisable parameters:
- Gearbox ratio for straight or contra-angle handpiece
 - Max. speed
 - Max. torque
 - Pump delivery (1-6)
 - Reverse/forwards mode for motor



INTRAsurg 1000 Air

Technical data

Same as for INTRAsurg 1000.

Connection for air instruments.

- Equipment supplied:
- 2nd pump
 - Pneumatic tubing (not sterilisable)
 - External irrigant tubing (sterilisable)
 - MULTiflex coupling



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