

KaVo INTRAsurg® 300

Very simple
operation from
the start.



100
KaVo
1909 - 2009



KaVo *Expert Series*



KaVo. Dental Excellence.

Implant a new indication.

Oral implantology is now a widely used, accepted and practical alternative to conventional dental prostheses. Regardless of whether the entire dentition, interdental spaces or only individual teeth have to be replaced. You too should offer your patients this solution.

KaVo INTRAsurg 300 is the surgery unit for your successful entry into implantology. In order for implementation of their optimal requirements, KaVo INTRAsurg 300 was developed and perfected in close cooperation with experienced implantologists. It offers everything you need and does away with the superfluous. In practice, this means:

- simple operation
- high power particularly in the low speed range
- ideal price/performance ratio

A unit for all surgical operations. In the mouth, jaw or facial area and in particular in oral implantology.

KaVo INTRAsurg 300: completely tailored to your needs.



KaVo INTRAsurg® 300:
Always the right approach.

Trust your intuition.

KaVo INTRAsurg 300 makes it particularly easy for you. Even after a short time, you can operate the surgery unit almost with your eyes closed. With only six steps. Because this unit is tailored completely to your individual method of working. Important parameters, such as speed, torque, pump power and instrument gear transmission, need not concern you. They are input once and INTRAsurg 300 stores the data for you. Trust your intuition.



Intuitive work:
Each step is preprogrammed and can be adapted to your needs.

	Process	Instrument	Max. speed	Torque	Pump	Motor direction
Step 1	Cutting and drilling the implant bed	27:1	1500	55 Ncm	4	↺
Step 2	Cutting the thread	27:1	50	40 Ncm	3	↺
Step 3	Cutting instrument counter-clockwise	27:1	50	40 Ncm	3	↺
Step 4	Screwing in implant	27:1	50	40 Ncm	3	↺
Step 5	Removing the insertion pin	27:1	50	55 Ncm	0	↺
Step 6	Mounting the cap	27:1	50	10 Ncm	0	↺

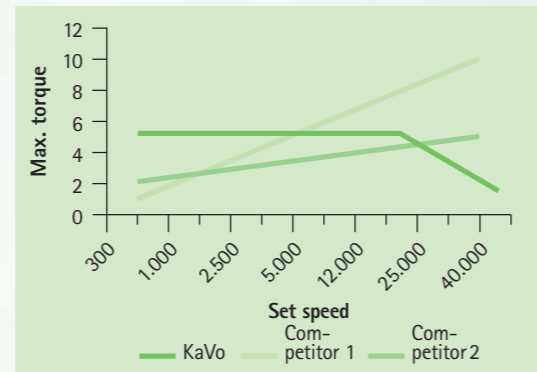
Power intelligently used.

Intelligent power for easy work. This is possible through the brushless motor of KaVo INTRAsurg 300. It makes surgical work easy for you.

The special motor for maximum power. And at only 11 revolutions per minute. The maximum torque of 5.5 Ncm is available to you in the speed range of 300-12000 min⁻¹. Once the upper speed range is reached, the torque is continuously reduced. Because higher speed requires less power. The motor heating is thus reduced and the bone protected.

And if you wish, the torque can be limited. An acoustic signal is produced when this limit is reached.

KaVo INTRAsurg 300: A powerful performance



Intelligence - the true strength. The torque reduction protects not only the bone but also the motor.

Carefully designed from top to bottom.

KaVo INTRAsurg 300, technology perfect down to the last detail. Because real skill begins with the idea and comes to completion in practice. With you.

Because it is precisely the details that make the work so pleasant. Tubings that are not in the way. The foot control which gives you more space. Hygiene which is comprehensive. That's the basis for your efficient work. And the basis for satisfied patients who will be happy to return. Details which have a great effect.



Free hands during the treatment. The foot control enables this. It is used for controlling the entire treatment.



Whether tubing or motor - everything is completely sterilizable. And everything can be done easily and reliably. The comprehensive solution for absolutely hygienic work.



No more inconvenient tasks. Instead: The internal sterilizable coolant tube.

Strength with instinct.

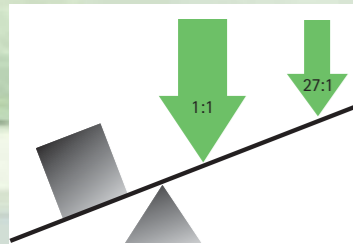
Times change. The diameters of the implants are increasing and the surfaces are becoming rougher. The KaVo surgery handpiece INTRA C3-09 was developed for these new special requirements in implantology.

The gear transmission of 27:1 realized here always offers you sufficient speed and power for cutting and drilling. And at low speeds you always have sufficient power for cutting threads and mounting implants. KaVo INTRA C3-09: true strength.

KaVo INTRA C3-09:
The modern contra-angle handpiece with separate head (3:1) and shank (9:1)



The principle: The gear transmission of the instrument reduces the speed and simultaneously increases the torque several times over.



Clinical procedure	Speed	Max. torque required
Smoothing of the alveolar crest	1000 - 1500 rpm	5 - 10 Ncm
Drilling of the cavity	700 - 1500 rpm	up to 15 Ncm
Thread cutting - Standard implants - Large diameter	10 - 50 rpm	up to 35 Ncm up to 50 Ncm
Screwing in implant - Standard implant - Large diameter	10 - 50 rpm	up to 35 Ncm up to 50 Ncm
Prosthetics	10 - 50 rpm	up to 35 Ncm

Broad range of applications:
From smoothing of the alveolar crest to screwing in of the implants - everything with one instrument.

KaVo INTRA surg® 300. Surgery unit.

Unit

Weight	6.9 kg
Size	31 x 23 x 12.5 cm
Input voltage	100 V; 120 V; 230 V 50/60 Hz
Rinse function	Motor is switched off; only the pump operates
Display in standby mode	Speed range; motor direction; Instrument gear transmission; Max. pump torque (0 - 6)
Display during use	Actual speed, actual torque
Foot control	Motor on/off; Speed (min. - max.) Clockwise/counterclockwise operation; Pump on/off; Rinse function; Switch on program; Select program step (forward/back)

Motor KaVo INTRA - S 500

Technology	Brushless induction motor
Motor speed	min. 300 rpm; max. 40000 rpm
Torque	5.5 Ncm (300 - 12000 rpm) 5.0 - 2.0 Ncm (12000 - 40000 rpm)
Output power	100 W

Software

Programs	1 program with 6 steps
Program functions	Instrument gear transmission 1:2 to 36:1 Max. speed 15 - 40000 rpm Max. torque 5.5 to 55 Ncm Pump power 0 to 6
Motor direction	clockwise/counterclockwise
Torque	Max. torque selectable; acoustic signal emitted on reaching 90%

Contra-angle handpiece KaVo INTRA C3-C09

Total gear reduction	27:1 (INTRA C3 head = 3:1; INTRA C09 shank = 9:1)
Cooling	External and internal cooling (Kirschner and Meyer)
Max. torque	55 Ncm
Max. working speed	1500 rpm with INTRA surg 300 and 500

KaVo INTRAsurg® 300

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KaVo Dental GmbH. D-88400 Biberach/Riß · Telefon +49 73 51 56-0 · Fax +49 73 51 56-1488 · www.kavo.com