

SM3

The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.





CALIBRATION

Osstem's Drive for Accuracy Ensures Safe Treatment through Accurate Torque Correction

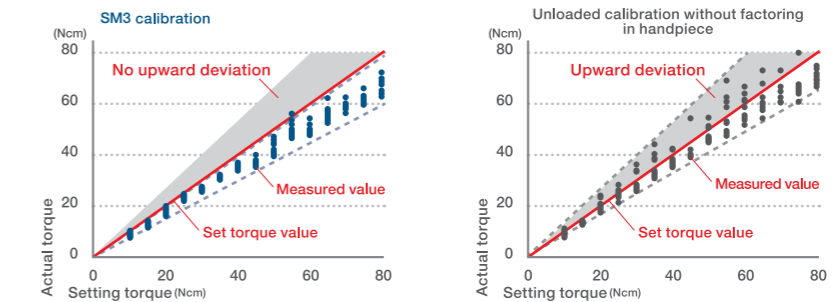
Maintaining accurate torque with AHC

Osstem's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments. There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

High-precision calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

Osstem's safe calibration approach factors in handpiece usage conditions



SM3 calibration ensures outstanding safety because it minimizes deviations and ensures virtually no upward variations from pre-set values. As the graphs show, no calibration can be accurate without taking handpiece usage conditions into consideration.

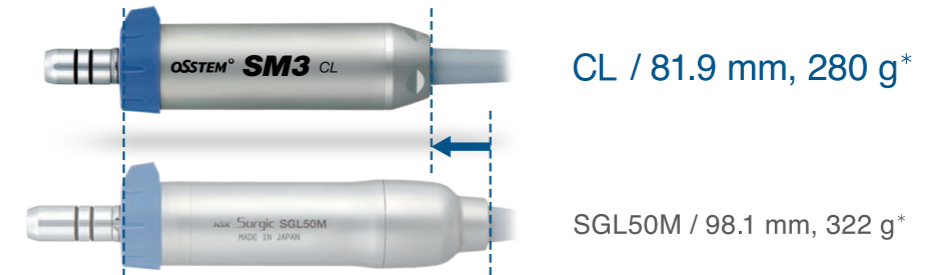
SURGICAL MOTOR

Shorter, Lighter and More Powerful
Consistently Excellent Clinical Performance



SM3 CL An Advanced Surgical Motor for Demanding Clinical Environments

Osstem's developed the SM3 CL by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact SM3 CL features an LED light for high visibility, with up to 80Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.



*Including motor cord

Well-balanced, with a compact and lightweight micromotor

Streamlining efforts reduced the size by 16.2mm and the weight by 42g to improve balance during use the SM3 motor, greatly reducing any strain on clinicians.



LED optics for safer, more accurate treatment

Osstem's LEDs generate natural daylight-quality light to illuminate the treatment enabling more precise surgery and shortened operation times. The lights increase area, safety because they do not overheat and are long-lasting.



Superior durability supporting high temperature sterilization

Autoclave disinfection and thermo-disinfection ensure complete sterilization.

CONTROL UNIT

Control Unit Incorporating an Array of Sophisticated Functions



Compact body and large LCD display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.



Advanced irrigation pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.

Memorises eight different implant systems

The SM3 memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

8 Steps × 8 Systems = 64 Programs

Six parameters can be set for each program

S200EL

OPTIC MODEL : S200EL ORDER CODE : S200EL

- 20:1 Reduction ● Max. Torque : 80 Ncm ● Max. Speed : 2,000 min⁻¹
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics ● Double Sealing System
- Push Button Chuck ● External and internal cooling (Kirschner/Meyer)



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