



# ELEC engine™

## IMPLANT SURGICAL ENGINE

The ELEC ENGINE is a compact, stylish and equipped with powerful optic motor, real time speed and torque performance exhibited on LCD.



**Max 80N.cm**  
( 32:1 gear handpiece )



### Torque limit function

The beep sounds when load torque above torque value set by a user operates longer than 3 seconds and the operation stops to ensure patient's safety.



### Auto calibration function

Calibration function operates by simultaneously pressing ▲/▼ button for 2~3 seconds. Perform the Calibration function when the motor is initially used and operate this function under no load status.



### Powerful optic motor

It shows LED functioning within motor during the motor operation.





### Real-time torque and RPM display

The compact control unit shows real time rpm and torque through digital panel. It helps users to perform a surgery more precisely.



### Program modes

Program button enables users to select 6 modes in turns Drilling, Tapping, Remove Tap, Implant, Remove, Lock Screw. Users can select them for each purpose.



### Memory function

Users can save 9 personal settings using memory button, which makes it possible to load the different settings immediately in terms of program mode, rpm, torque, coolant, speed, gear ratio, turn direction.





### Sterilizable and Reusable Irrigation tube

Multi-use tubing that can be reused for at least 30 times (with rust-proof cutting edge material)



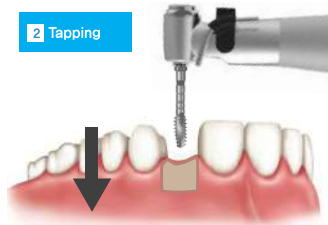
### Thread Cutting Function

Thread cutting is available in Tapping mode among 6 basic programs.



## Thread Cutting?

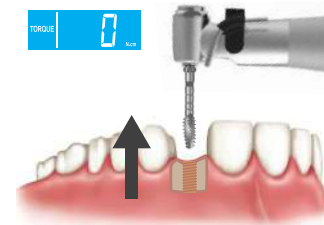
The thread cutter function supports the surgery when makes tap for implants in to dense (D1) bone.



SELECT TAPPING & SET TORQUE



WHEN REACH PRESET TORQUE



IT AUTOMATICALLY REVERSES



## specification



### MOTOR ( ISM -B70L )

Model	ISM-B70L
Max.Speed	40,000 RPM
Max.Torque	80 N.cm (32:1)
Internal Resistance	730mΩ
Internal Inductance	100uH
Dimension	24mm(W) x 100mm(W)
Weight	156g
Optic	Yes

### CONTROLLER ( ISE-270M )

Model	ISE-270M
Power Supply voltage	AC110 ~ 240V
Frequency	50/60Hz
Power Consumption	150VA
Max. Coolant flow rate	110ml/min
Fuse	2 x 250V - T2.0AH
Dimension	285mm(W) x 250mm(W) x 120mm(H)

### FOOT PEDAL ( FC-V2 )

Model	FC-V2
Speed control	Variable
Foot control Function	Program / Coolant / Rotation Direction

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## IMPLANT ANGLE SERIES

SG200L(OPTIC) / SG200(NON-OPTIC)



### Powerful torque up to 70 N.cm

Reliable power under any operation conditions.



### LED brightness up to 25,000 LUX

Excellent light effect can minimize shady spots.



### Easy to assemble and disassemble the device

Easy to disassemble and assemble with one touch, handpiece is easy to clean and manage and extend the life of the product



### Anti-scratch

Functional design and anti-scratch surface treatment.





## specification



<b>Model</b>	SG200L
<b>Ratio</b>	20:1
<b>Max.Speed</b>	2,000rpm
<b>Max.Torque</b>	70 N.cm
<b>Size</b>	20mm(D) x 95mm(L)
<b>Weight</b>	73g
<b>Material</b>	Stainless steel
<b>Irrigation</b>	External
<b>Coolant volume</b>	≥50ml/min
<b>Optic</b>	Fiber optic
<b>Warranty</b>	2 Years
<b>Bur</b>	CA bur(Ø2.35)
<b>Chuck type</b>	Push button
<b>Coupling</b>	ISO3963 Type 4
<b>Rotary Instrument</b>	IOS1797 Type 1



<b>Model</b>	SG200
<b>Ratio</b>	20:1
<b>Max.Speed</b>	2,000rpm
<b>Max.Torque</b>	70 N.cm
<b>Size</b>	20mm(D) x 95mm(L)
<b>Weight</b>	73g
<b>Material</b>	Stainless steel
<b>Irrigation</b>	External
<b>Coolant volume</b>	≥50ml/min
<b>Optic</b>	No
<b>Warranty</b>	2 Years
<b>Bur</b>	CA bur(Ø2.35)
<b>Chuck type</b>	Push button
<b>Coupling</b>	ISO3963 Type 4
<b>Rotary Instrument</b>	IOS1797 Type 1

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The EU directive 93/42/EEC was applied in the design and production of this medical device.

Designed by **MICRO NX**



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Official Website



Official Youtube Chanel