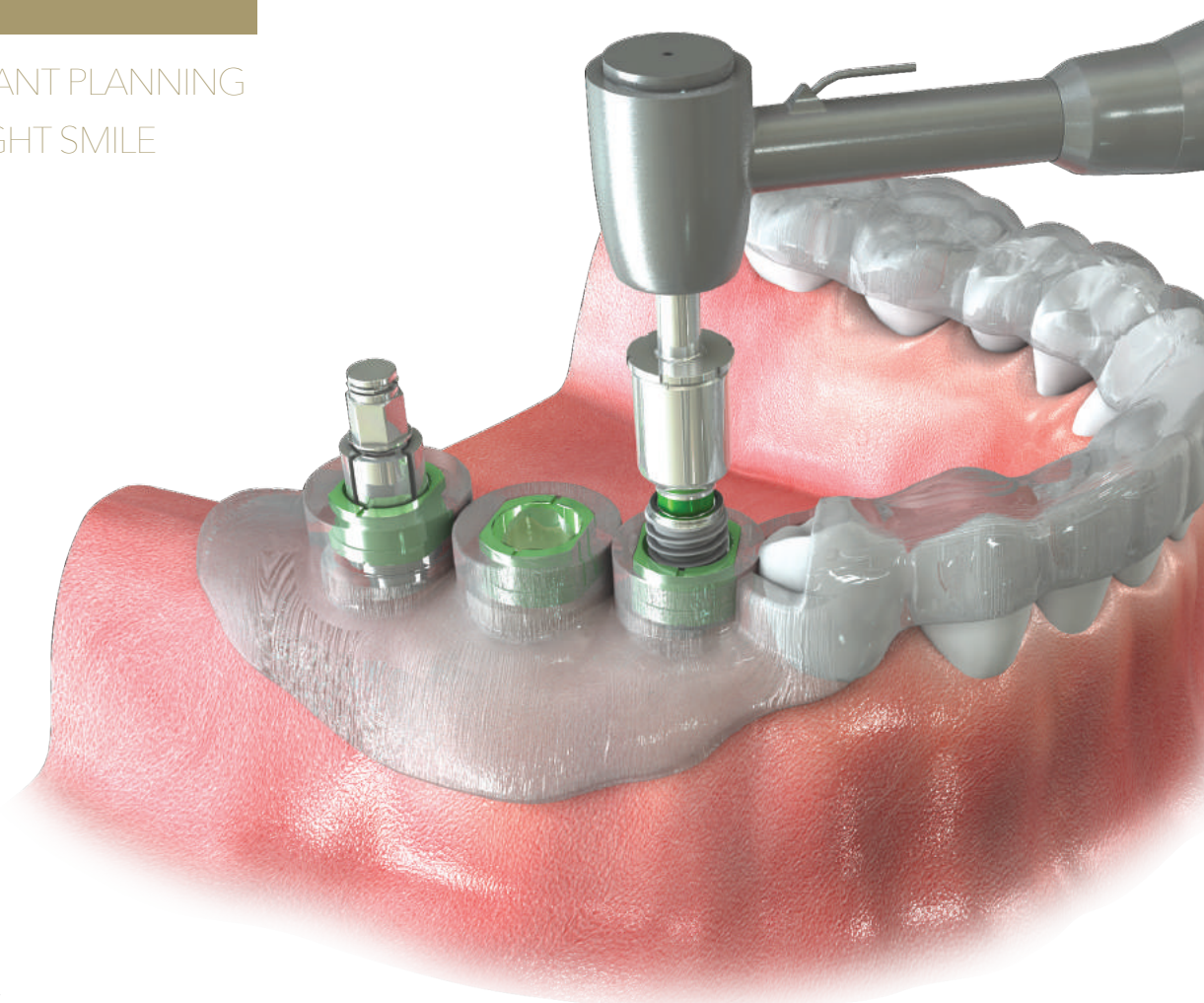
neo NaviGuide

2017. 06 **E**-Ver.04

PERFECT IMPLANT PLANNING
FOR BRIGHT SMILE

Find Neobiotech online



Neo Biotech
Satisfaction to Dentists

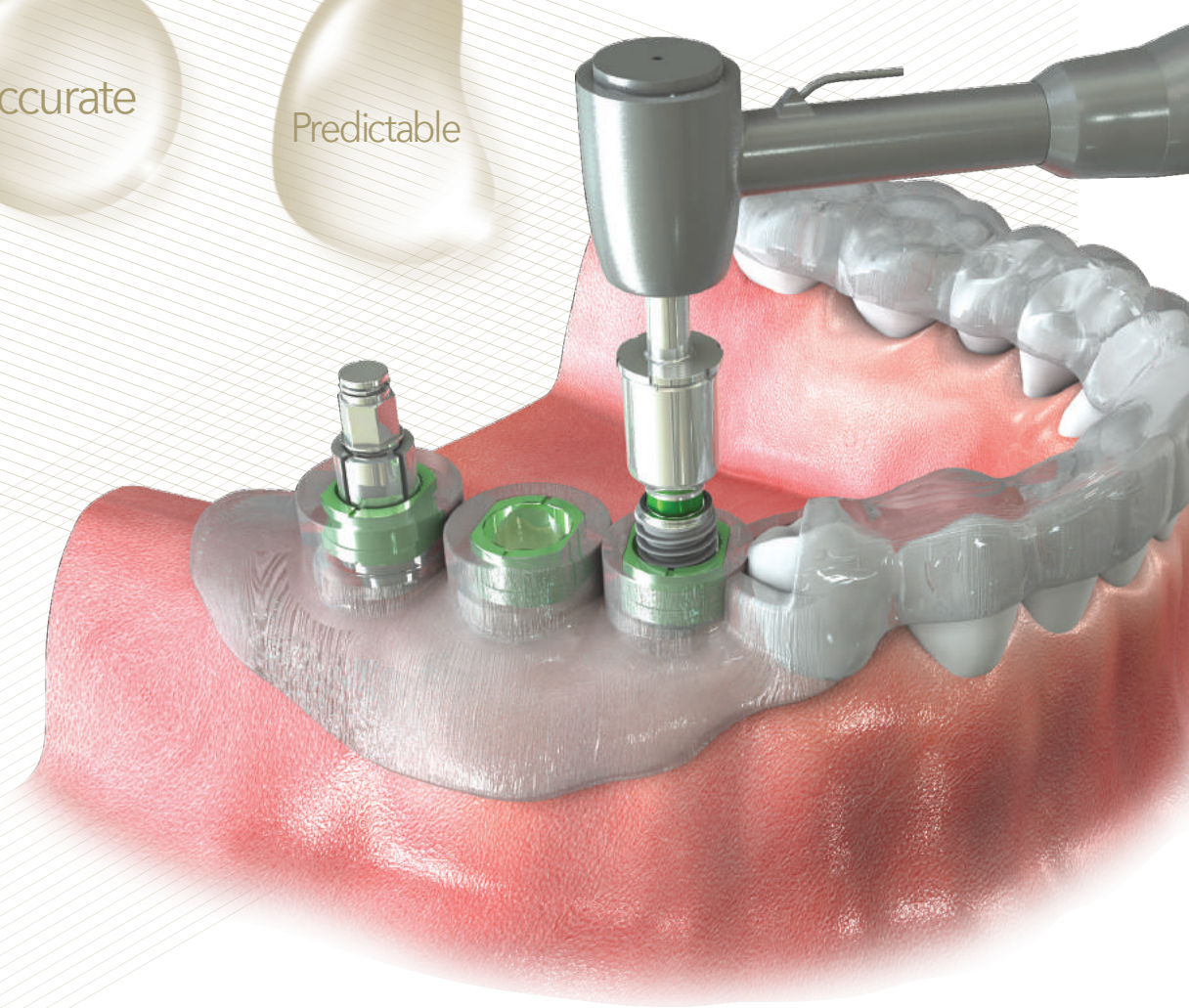
Contents

Neo NaviGuide Kit P 04
Neo NaviGuide Drilling Sequence P 06
Why Neo NaviGuide? P 07
Features of Neo NaviGuide P 08
Neo NaviGuide Clinical Case P 10
Neo NaviGuide Process P 12
Neo NaviGuide Kit Components P 14
Anytime Loading P 17

Simple

Accurate

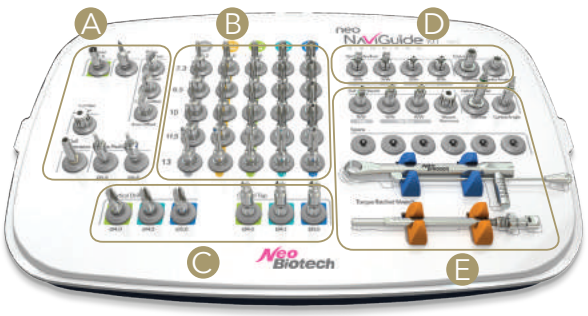
Predictable



Neo NaviGuide **Kit**

Neo NaviGuide Kit R/W ver.0

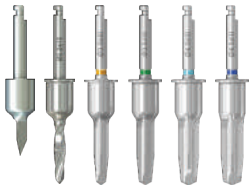
	Ø3.5	Ø4.0	Ø4.5	Ø5.0
7.3mm		✓	✓	✓
8.5mm		✓	✓	✓
10mm		✓	✓	✓
11.5mm		✓	✓	✓
13mm		✓	✓	✓



A

Tissue Punch
Bone Trimmer
Bone Profile

B



Handle free
Stop Drills

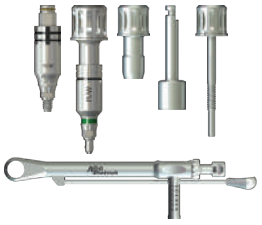
C

Cortical Tap
Countersink Drill

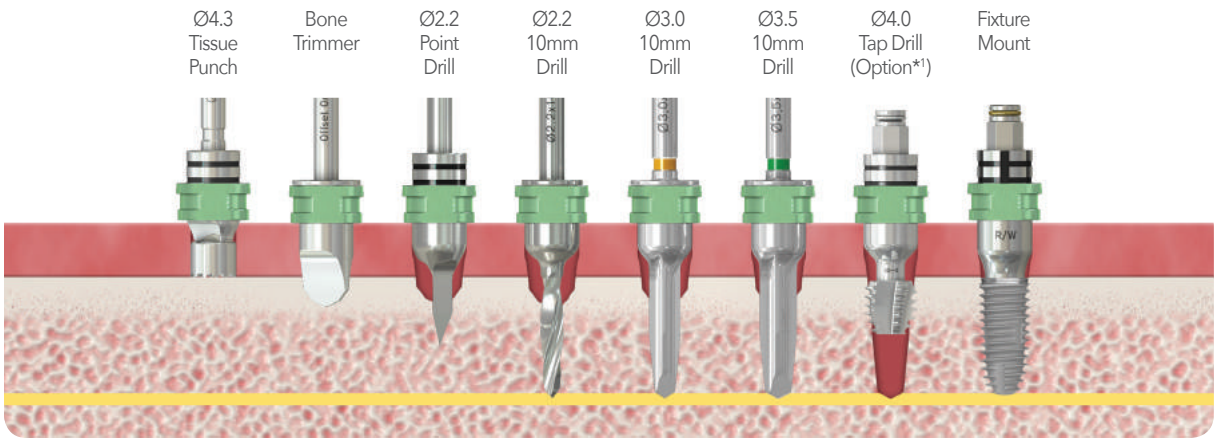
D

Vertical
Anchor

E

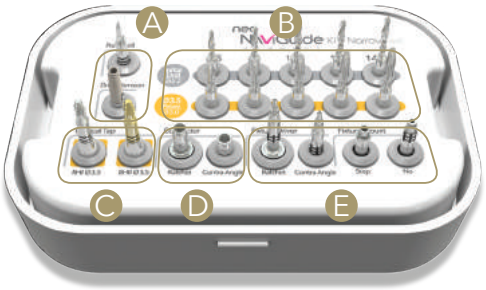


Implant
Tool



Neo NaviGuide Kit Narrow ver.0

	Ø3.5	Ø4.0	Ø4.5	Ø5.0
7.3mm				
8.5mm	✓			
10mm	✓			
11.5mm	✓			
13mm	✓			



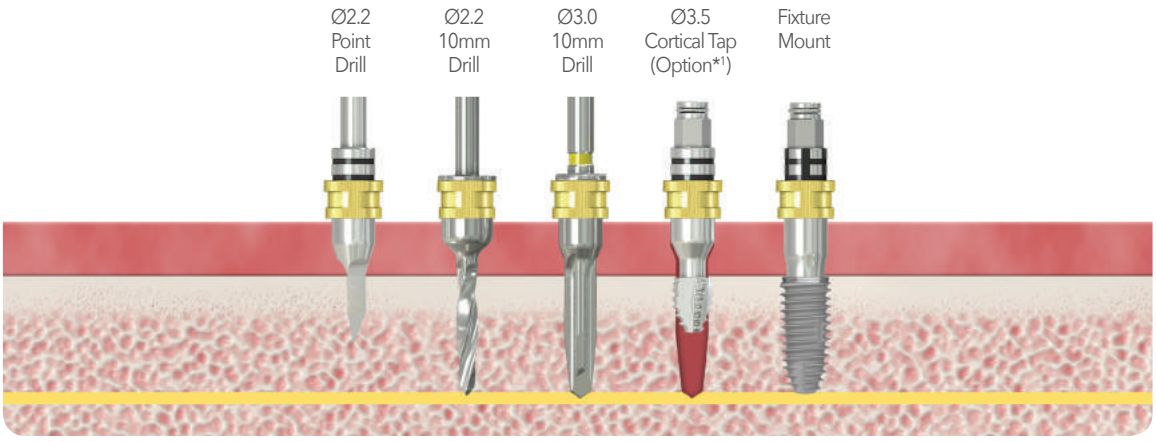
Point Drill
Drill Extension

Handle free
Stop Drills

Cortical
Tap

Connector

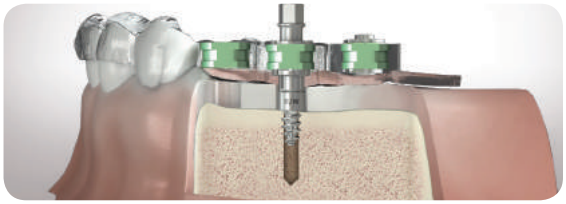
Fixture Mount
Fixture Driver



Neo NaviGuide **Drilling Sequence**

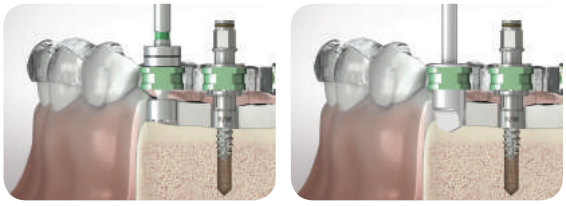
Step 1

Fix the surgical guide inside the oral cavity using vertical anchoring tools.



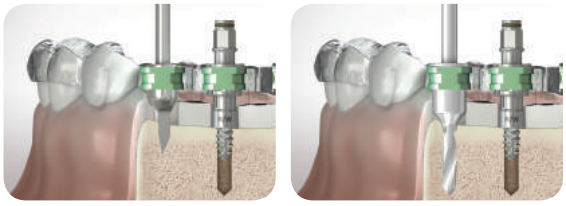
Step 2

Remove the soft tissue using tissue punch. Trim the crestal bone using bone trimmer.



Step 3

Precise drilling on the implant site using initial drills.

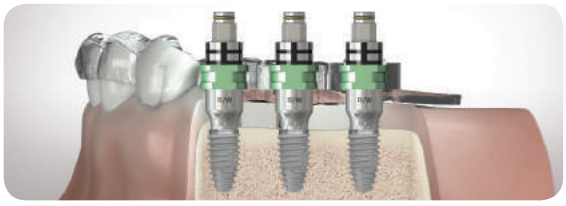


Step 4

Secure the implant placement space with stop drill, countersink drill, or profile tap.

Step 5

Place implants using fixture mount.



Why Neo NaviGuide ?

Predictable surgery 1

Simulation of treatment plan 2

Saving Surgery Time 3

1 More predictable implant placement can be done as the implantologist's treatment plan becomes a clinical reality with Neo NaviGuide.

2 With the visualization of implant planning, the patients will get a good impression during the consultation by explaining the treatment plan in a clear and visual way.

3 Save valuable time and increase treatment efficiency by using the customized surgical template. In addition to this, the patients will be more satisfied with less clinic visit.

4 Due to minimal flap opening, the patient will bleed less, and the risk of infection will be lowered.

5 The success rate of the surgery will be raised as it became possible to find the optimal balance between the implants and the prostheses as the surgery is planned based on the final restoration.

6 Temporary restorations provided to the patient on the surgery day reduces the stress caused by the treatment, and allows to return to the daily life immediately.

7 Patient who has experienced safe and pain-less digitized implant surgery will make a positive decision when he needs to decide for another implant surgery.

Minimally Invasive Surgery 4

Prosthetic-driven digital workflow 5

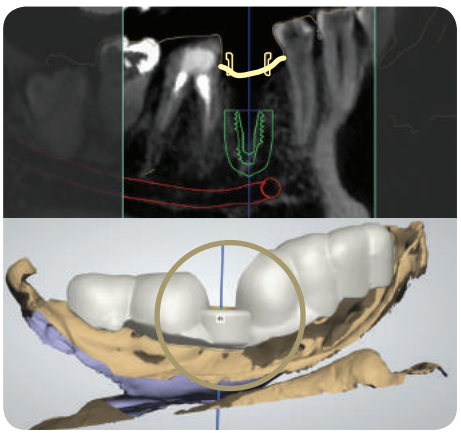
Positive implant experience for patients 7

The complete restoration package 6

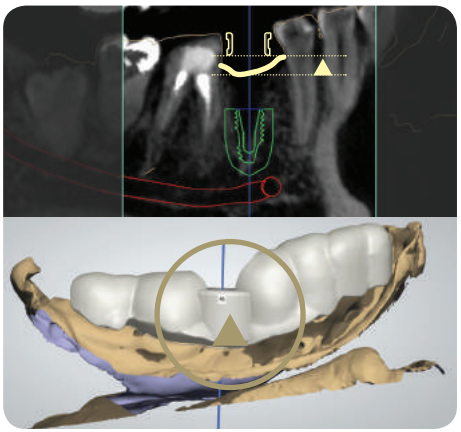
Features of Neo NaviGuide

Offset Design

Teeth interference or gingival height related problems can be solved by increasing the height of the sleeve up to 3mm.
9mm, 10.5mm, 12mm Offset



Sleeve Offset : 9mm

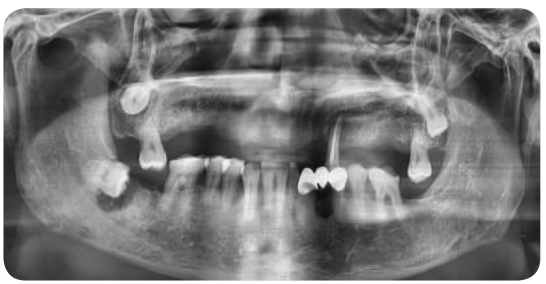


Sleeve Offset : 12mm

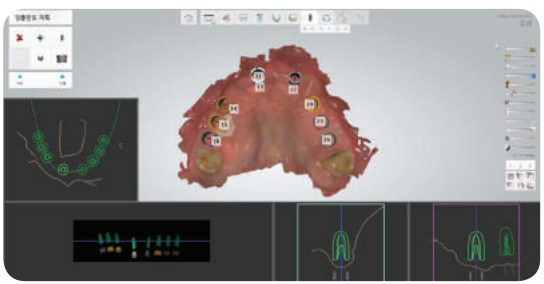
Neo NaviGuide **Clinical Case**

Challenges of a Beginner Implantologist

Case Information : ST Dental Clinic, 60s Male.
A general dentist has placed implants to one of his family member using Neo NaviGuide. 8 implants were placed easily and safely using Neo NaviGuide. Implants were placed ideally as planned with the help of a consulting dentist.

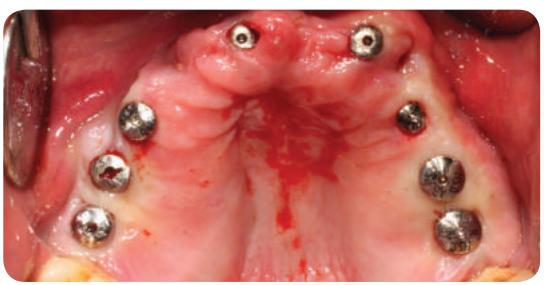


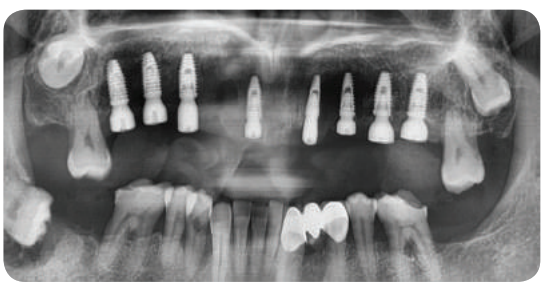
Implant Planning



Placing the surgical guide in the mouth

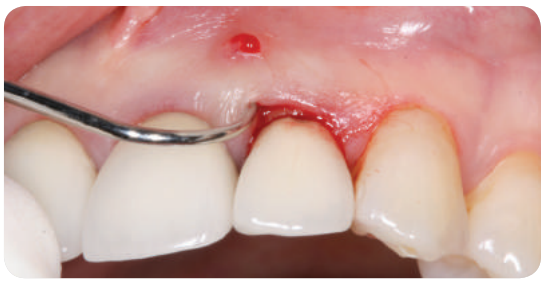
Placing the implant



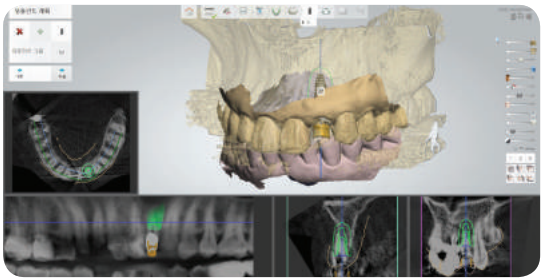


Immediate loading applied to the immediately placed implant after extraction on the anterior site

Case Information : H Dental Clinic, 30s Female.
Considering the esthetical factors of left lateral incisor, a temporary prosthesis was delivered after immediate implant placement followed by extraction. Surgery was done without interference from the teeth by adjusting the height of the guide sleeve (offset). The patient's satisfaction was high as she returned to daily life immediately after the implant surgery.



Implant Planning



Guided Drilling & Placing the implant

Provisional crown

Neo NaviGuide **Process**

Digital workflow based on Neo NaviGuide solution allows fast and convenient communication, and lessens the burden of implantologist with reasonable expense.

CBCT Scans / Surface Scans

Sending data

Dental **Clinic**

Implant placement with the Neo NaviGuide

Implant Planning by the implantologist and technicians

Implant Planning Confirmation by the Dentist

Neo NaviGuide Design

Neo NaviGuide

Center

Abutment & Crown Design

Fabrication of the NeoNaviGuide

Delivery

Neo NaviGuide Kit **Components**

Neo NaviGuide Kit R/W ver.0

Tissue punch	Size	Product name
	4.3 / Regular	NGTP43

Bone Trimmer	Size	Product name
	OffSet 0	NGBT00
	OffSet1.5	NGBT15
	OffSet 3	NGBT30

Point Drill	Size	Product name
	Ø2.4	NGPD24

Vertical Anchor	Type	Product name
	in Bone	SGVABRW
	in Fixture	SGISVAFRW

2.2 Initial Taper Drill	Size	Product name
	Ø2.2	NGTWD2207
		NGTWD2208
		NGTWD2210
		NGTWD2211
		NGTWD2213

Taper Drill	Size	Product name
	Ø3.0	NGTD3007
		NGTD3008
		NGTD3010
		NGTD3011
		NGTD3013

Taper Drill	Size	Product name
	Ø3.5	NGTD3507
		NGTD3508
		NGTD3510
		NGTD3511
		NGTD3513

Taper Drill	Size	Product name
	Ø4.0	NGTD4007
		NGTD4008
		NGTD4010
		NGTD4011
		NGTD4013

Taper Drill	Size	Product name
	Ø4.5	NGTD4507
		NGTD4508
		NGTD4510
		NGTD4511
		NGTD4513

Cortical Tap	Size	Product name
	F4.0 (W)	SGISFPT40R
	F4.5 (W)	SGISFPT45R
	F5.0 (W)	SGISFPT50W

Cortical Drill	Size	Product name
	Ø4.0	NGCD40F
	Ø4.5	NGCD45F
	Ø5.0	NGCD50F

Fixture Mount	Type	Product name
	Regular/Wide	SGISFARW
	Regular/Wide	SGISFARW30

Fixture Driver	Type	Product name
	Ratchet	NGISFDR
	Contra Angle	NGISFDCA

Connector	Type	Product name
	Contra Angle	SGCAC00
	Short (15mm)	SGRC10

Torque Ratchet	Product name
	TW60

1.2 Hex driver	Product name
	HD1207S

Mount Remover	Product name
	SGFART20

Drill Extension	Product name
	DE01

Neo NaviGuide Kit **Components**

Neo NaviGuide Kit Narrow ver.0

Point Drill	Size	Product name
	Ø2.2	NGPD22N

2.2 Initial Taper Drill	Size	Product name
	Ø2.2	NGTD2208N NGTD2210N NGTD2211N NGTD2213N NGTD2214N

Taper Drill	Size	Product name
	Ø3.0	NGTD3008N NGTD3010N NGTD3011N NGTD3013N NGTD3014N

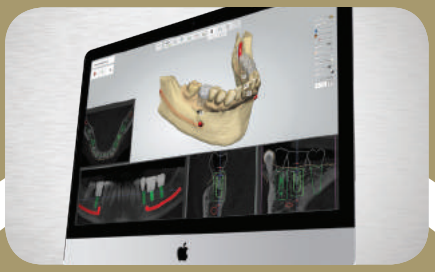
Cortical Tap	Type	Product name
	F3.5 (N)	NGISCT35N NGISCT35NS

Fixture Mount	Type	Product name
	Narrow	SGISFAN SGISFAN30

Fixture Driver	Type	Product name
	Ratchet Contra Angle	NGISFDRN NGISFDCAN

Anytime Loading

Neo NaviGuide System is a digitized implant treatment solution that assists implantologists to place implants based on restorative needs and surgical requirements.

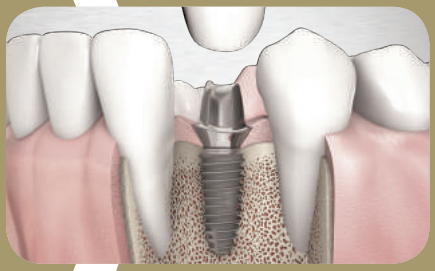


Neo NaviGuide Planning Software (3shape Implant Studio)

- Optimal implant positioning planning with the 3D software.
- High esthetic and functions will be provided to the patients with the prosthetic-driven treatment planning.

3D Printed Surgical Guide

3D printed surgical guide will be placed precisely on the designated site (teeth & soft tissue), and the titanium sleeve attached inside the guide hole will allow the operator to conduct guided drilling to minimize the drilling error.



Ideal Fixation Concept

CMI Fixation concept which is the main concept of CMI implant placement, provides the best satisfaction to the implantologists who use our digital based implant guide system. The operator may choose immediate loading or use other loading options depending on the clinical indication.

Neo NaviGuide kit

Neo NaviGuide kit is composed of precise, simple, and intuitive protocols, therefore is optimized to conduct efficient implant surgery for the users.

Neo NaviGuide provides the optimized solutions for the digital implant dentistry.

Neo Biotech

Satisfaction to Dentists

History of Neobiotech

Sep.2016	IS-III active
Jul. 2016	EZ GBR System
May 2015	Encoded Healing abutment
Apr. 2015	CAMeleon cs
May 2014	World Class 300
Dec. 2013	Manufactured CAMeleon
Nov. 2013	EB-II active
Oct. 2013	SinusAll Kit
	PickCap Impression Kit
Jun. 2013	IT-II active
Oct. 2012	Prosthetic Kit / Accessory Kit
Jun. 2012	Neoguide system
Mar. 2012	GBR Kit
Oct. 2011	IS-II active, Quicktight
Jun. 2011	IS-II, S-mini & ACM
Oct. 2010	CTi - mem
Feb. 2010	SR Kit
Jun. 2009	FR Kit
Mar. 2009	Wide Implant
Nov. 2008	CMI IS implant
Jul. 2008	SLA-Kit
Mar. 2008	SCA-Kit
Mar. 2008	Obtain the patent of CMI Implant
Sep. 2007	Merged with "Osscare.Co.Ltd"
Jun. 2007	CMI implant(External Type)
Feb. 2007	Change of Management
Jul. 2000	Foundation of "Neobiotech.Co,Ltd,."

Satisfaction to Dentists

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