



our qualifications are

your security

Achievements

- Inheritors and developers of the work of Professor Brånemark – founder of modern implantology. World leaders in the field
- Providers of the most comprehensive and flexible crown, bridge and implant solutions in the world
- Creators of unique biocompatible material TiUnite® for optimal osseointegration, Immediate Function™ and Soft Tissue Integration™
- Creators of CAD/CAM dentistry
- Creators of unique Procera® System – one seamless procedure from 3D planning to fully guided surgery right through to customized ceramic restoration
- FDA cleared for Immediate Function™ (except 3.0 and Zygoma)
- FDA cleared for Teeth-In-An-Hour™ in 2004

Quality

- Zero non-conformities in 2004 FDA inspection of Nobel Biocare production units in Göteborg, Karlskoga and Stockholm

Research

- Formal collaboration with over 50 academic institutions and 600 independent scientists around the world
- More clinical studies on immediate or early loading than all other competitors combined (Medline Feb 2005)
- More prospective clinical studies with at least 5-year follow-up than all other competitors combined (Berglund et al 2002)

Support

- 165,000 customers trained by 1,985 dental professionals in 37 countries and in 19 languages, during 2004
- Own sales organizations with local Nobel Biocare staff in 29 countries
- Leading business website in 8 languages, with complete online service supplying all products and at least 500 courses available at all times



Nobel Biocare cares about the environment and all production units are certified according to Environmental Management System ISO 14001

www.nobelbiocare.com



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SOLUTION AND PRODUCT NEWS 2005

the newest ways to make your

business smile





creating solutions that deliver

beautiful teeth now™

**new solutions
new standards
new smiles**

This brochure is your essential overview on our major solution innovations such as Groovy and NobelGuide™. It also covers the specific general improvements we've made to our procedures and products. Together they'll enable you to work more productively and profitably.

NobelBiocare delivers total solutions on a Standard and Premium level, and our implant family divides into parallel-walled and tapered. And all we do is driven by the needs of the patient and the wants of the dental profession:

- Easy Esthetics
- Immediate Function™
- Soft Tissue Integration™

Fulfilling them delivers our unique promise of Beautiful Teeth Now™.



Standard solution with parallel-walled implants, Multi-unit abutments and Procera® Implant Bridge.



Premium solution with NobelReplace™ Tapered, Procera® Abutments Zirconia and Procera® Bridge Zirconia.

more people can now have

beautiful teeth now™

the immediate difference is in the grooves

More people can now enjoy faster integration and stability of an implant due to our new and unique Grooved Threads.

Groovy, our completely new and unique grooves, takes all our implants to a higher level of effectiveness. It's been shown in scientific

studies that they increase stability compared to implants without grooves. You will have the grooves on the threads of our implants where appropriate.

Extensive biomechanical and histological testing of oxidized titanium implants identified the optimal groove for promoting growth and stability.

GROOVY – effective even in soft bone

Research shows the results from grooves are even more pronounced when they're utilized in bone of lower quality.

GROOVY on the collar

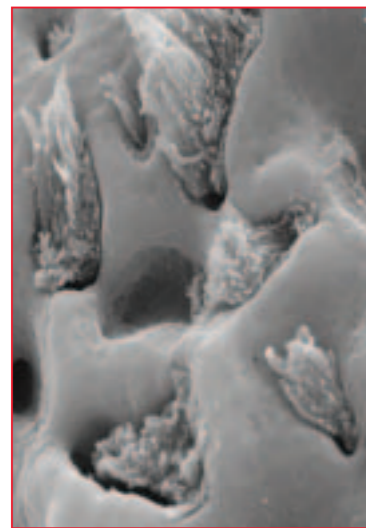
With research showing that bone loves bonding with grooves we have extended them to the collar of most new implants so they:

- Increase surface area
- Increase area for bone to-implant contact

promoting Soft Tissue Integration™ with TiUnite® all the way up

Our osseoconductive biomaterial TiUnite®, with its bone and soft tissue stimulating capacity, now reaches the implant collar. This promotes Soft Tissue Integration™ enabling a variable placement of the implant.

Early bone formation within the grooves.



Osseointegration

Scanning electron micrograph showing bone anchored in the pores of TiUnite®. Schüpbach et al, Clin Implant Dent Relat Res (2005). Permission granted by BC Decker Inc.



Soft Tissue Integration™

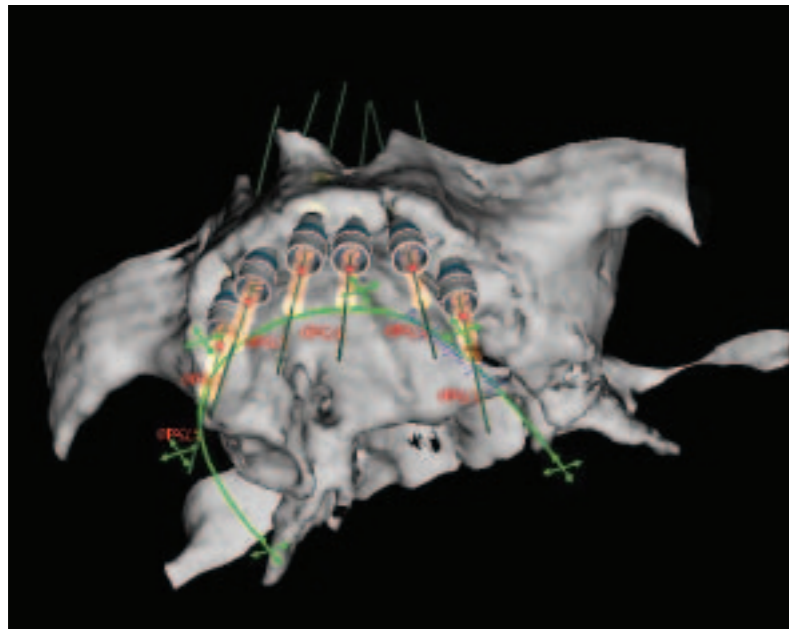
Longitudinal cross-section of a TiUnite® implant showing functionally oriented collagen fibrils of the connective tissue directed towards the TiUnite® surface. Ground section, polarized light microscopy. Courtesy of Dr. Rocci, Dr. Gottlow and Dr. Schüpbach.



Grooves on threads.

NobelGuide™ perfect planning for

perfect teeth



NobelGuide™ satisfies patient demands and professional needs by taking extra-oral planning predictably into the mouth. It's also an exceptionally flexible package of options that can be entered at any level depending on your practice requirements.

By revealing the conditions into which the implants will fit, NobelGuide™ lets you plan exactly the style, drill protocol, extent and duration of the treatment. With minimally invasive surgery guided by individualized surgical templates, it's possible to accurately predict where to place implants.



This enables temporary or final prosthetics to be prepared beforehand and fitted at the time of surgery. Thus supporting indications for Immediate Function™, creating far more efficient treatment schedules and significantly decreasing chair-time.

Your options are the traditional route of clinical examination, x-ray and

models as the basis of your therapy plan.

Or you add CT scan data entered into your computer. Place your implants virtually and order your digitally perfect template online.

Or a mixture of each depending on the level of business differentiation you wish to offer, the

investment you wish to make and the form of treatment you feel most comfortable performing.

Drills and drill protocols are consistent throughout with innovations such as Drill Stops giving you enhanced predictability and reassurance.

NobelGuide™ – as little or as much as you want it to be

MODEL-BASED PLANNING

sleeves
drills
drillstops
NobelGuide™ surgical kit

+

PROCERA® SOFTWARE

Adding the value of virtual surgery

+

PROCERA® SURGICAL TEMPLATE

Adding the value of digital safety

+

TEETH-IN-AN-HOUR™

Adding the value of permanent Teeth-In-An-Hour™

the world's simplest route to a great smile

tapered implants

The original tapered implant, Replace Select Tapered, copies the shape of a tooth root making the surgical procedure exceptionally simple and predictable. Especially for immediate placement after extraction.

NobelReplace™ Tapered Groovy

- Further development of Replace Select Tapered, the fastest growing implant on the market
- Grooves on threads and collars
- 8mm option
- TiUnite® all the way up
- No new instruments needed

Replace Select Tapered

- Original specification is still available
- Upgraded surgical kit

NobelDirect®

The revolutionary one-piece design of NobelDirect® makes implants as easy to work with as traditional bridges. Based on the concept that the implant adapts to biological conditions, not the other way round, NobelDirect® is excellent for soft tissue adaption.



User-friendly, cost-effective, biologically sound and esthetically stable, NobelDirect® is machined from a single piece of titanium, incorporating the implant body and abutment. We've also extended grooves and TiUnite® all the way up to the collars.



The NobelDirect® family has two new additions: NobelDirect® Oval for replacing lost wide roots and teeth. And NobelDirect® Posterior which further simplifies implant procedures in the posterior part of the mouth.

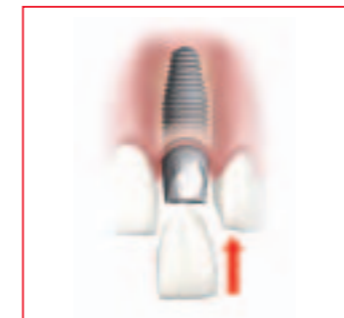
NobelDirect® Groovy

- TiUnite® all the way to the top
- Enables variability in vertical placement



NobelDirect® Oval

- The coronal part pre-prepared
- Less grinding
- Less chair time so higher profitability
- TiUnite® all the way up
- Grooves on threads
- No new instruments needed



NobelDirect® Posterior

- Inbuilt ease of use in posterior areas
- Built-in snappy abutment
- Less chair time
- Grooves on threads
- Simplified and faster impressions

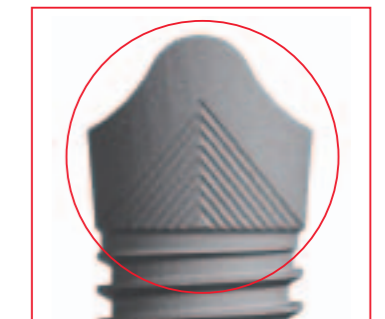
NobelDirect® 3.0

- The first implant for narrow places
- Solves tight spacing problems and offers a fast and easy flapless procedure
- Straightforward new drill protocol with drills for soft and hard bone
- Especially designed for replacements of laterals in the maxilla and incisors in the mandible



NobelPerfect® Groovy

- TiUnite® all the way up
- Grooves on threads and coronal part
- The ultimate choice for excellent esthetics
- No 'black triangles'



versatility and predictability for all indications

parallel-walled implants



Our parallel-walled implant family has expanded from two to six options, creating the world's most versatile, practical and effective suite of solutions.

There is a common depth measurement system for all four new systems.

Common, shortened and simplified drill protocol for all parallel-walled implants.

While the new precision drill for narrow ridges and the new innovative step drills enhance speed and predictability even further. For your convenience and choice, all existing specifications will continue to be available.



Brånemark® System Groovy

- Shorter drilling protocol
- New depth measurement system
- Grooves on threads
- Threads higher on the implant body
- Increased cutting ability
- Including Shorty

Brånemark® System MkIII and MkIV

- Available in the complete range with the existing depth measurement system and drilling procedure

NobelSpeedy™ Replace

- New body
 - Narrow tip
 - Sharper chamfers
- Extremely short drill protocol
- Specially designed for increased initial stability in soft bone
- Internal connection
- Slightly Tapered
- TiUnite® all the way up
- Grooves on threads and collar
- NobelGuide™ concept applicable and accessible at any level

NobelSpeedy™ Groovy

Same benefits as NobelSpeedy™ Replace.

In addition:

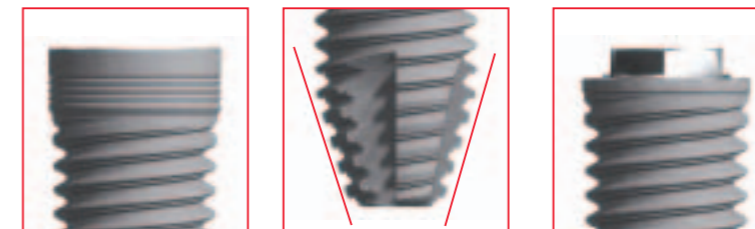
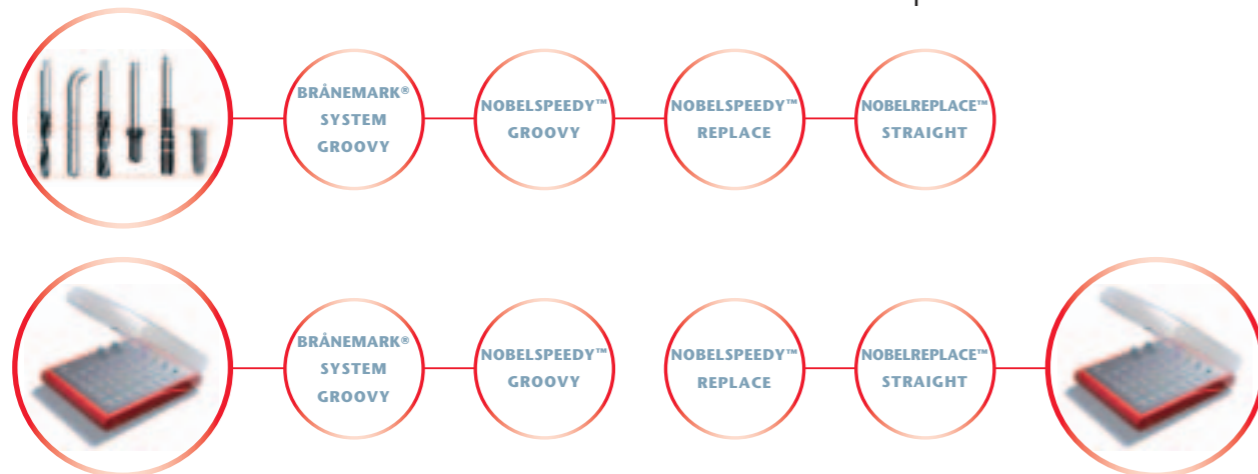
- External connection
- Including Shorty implant

NobelReplace™ Straight Groovy

- New 4,0 diameter
- TiUnite® all the way up
- Grooves on threads and collar

Replace Select Straight

- Available with machined 1.5mm collar



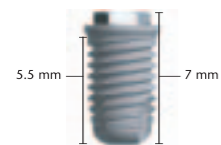
making treatment shorter and satisfaction longer

graftless

Shorty Implant

Designed specifically for working where bone height is limited, Shorty is the shortest implant on the market. It puts implants within reach of more patients and more dentists than ever before by limiting the need for time consuming, painful and expensive bone grafting. It's available for:

- Brånemark® System Groovy
- NobelReplace™ Groovy



All-on-4

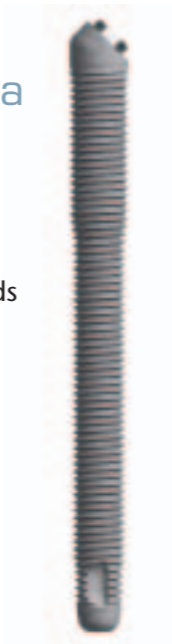
- Graftless solutions for both upper and lower jaw



Brånemark® System Zygoma TiUnite®

- TiUnite® all the way
- Grooves on the threads
- Abutment hole eliminated due to shorter cover and abutment screws

Please observe:
OLD prosthetic parts
NOT compatible.



putting the emphasis on ease of use

prosthetics

All can be used for both internal and external connections.

New Snappy Abutment

- Improved snappy connection
- Abutment 1mm shorter compared to Easy Abutment
- Margins picked up without retraction cord
- Simplified and faster impression
- New simplified provisional solutions



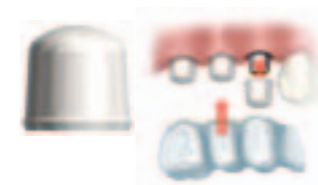
Temporary Solutions

- Immediate Temporary Abutment.
- Screw and abutment in one part
- Thin construction
- Much larger prosthetic flexibility



Ease of Use Temporary Components

- Wide and narrow
- Multiple and single use



Laboratory try-in Abutment kit

- Complete kit of try-in abutments for lab technicians
- Approved for clinical and laboratory use
- Make your choice without opening real abutments



Upgraded Esthetic Abutments

- Components for quick temporization
- Ideal for Immediate Function™
- Shapes upgraded to match most popular generic Procera® abutments
- Available for all connections
- 2mm shorter and narrower
- Single and multiple use



flexible, organized and robust

kits

Premium Solution on parallel-walled implants with Procera® Zirconia Abutment and Procera® Zirconia Bridge



Our kits are now completely modular allowing complete flexibility between procedures and solution choice.

- Color-coding for internal connection implants
- Ideal for all autoclaves
- Anti-slip material for stability
- Universal organizer suitable for every kit configuration
- Modules slot in easily

Solutions for all Indications

		Brånemark System®, NobelSpeedy™, NobelReplace™ Tapered and Straight	NobelDirect®	NobelPerfect™
One Tooth Missing	Standard	Esthetic Abutment Procera® Crown NobelRondo™	NobelDirect® Posterior Procera® Crown NobelRondo™	n/a
	Premium	Procera® Abutment Procera® Crown NobelRondo™	NobelDirect® Groovy/Oval Procera® Crown NobelRondo™	NobelPerfect™ Abutment Procera® Crown NobelRondo™
Several Teeth Missing	Standard	Procera® Implant Bridge (implant level)	NobelDirect® Posterior Procera® Bridge Zirconia NobelRondo™	n/a
	Premium	Procera® Abutment Procera® Bridge Zirconia NobelRondo™	NobelDirect® Groovy/Oval Procera® Bridge Zirconia NobelRondo™	NobelPerfect™ Abutment Procera® Crown NobelRondo™
All Teeth Missing	Standard	Multi-Unit Abutment Acrylic Bridge (All-on-4)	n/a	n/a
	Premium	Procera® Implant Bridge	n/a	n/a

