

# NEODENT® GRAND MORSE™ IMPLANT SYSTEM

ebook



 **NEODENT®**  
A Straumann Group Brand

# A Growing Need

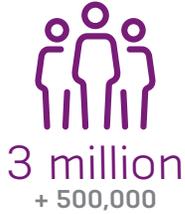
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## Dental implants are quickly becoming the new **standard**

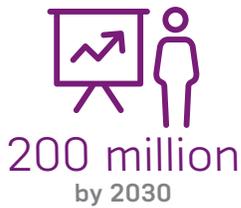
of care for tooth replacement as patients seek a permanent, reliable, and natural-looking way to assure a long-lasting smile.



Three million people in the U.S. have implants, a number that is growing by 500,000 every year.<sup>1</sup>



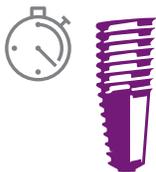
Patients can be fully or partially edentulous, young or old. Many patients want to replace aging bridges as a way to preserve dental health.



More than 35 million Americans have lost all their teeth in one or both jaws. By 2030 the number of partially edentulous patients will grow to more than 200 million.<sup>1</sup>



Implant design and bone grafting procedures have improved over the past 20 years, making them easier to place for both generalists and specialists.<sup>2</sup>



With a faster completion time and a success rate of 98% over ten years,<sup>2</sup> dental implants are now recognized as a viable—and often preferable—alternative to crowns, bridges, and removable dentures.

Experience, talent and  
determination that  
results in **confidence.**



# Experience Matters

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**In today's busy world, most patients want to minimize the time they spend at your office.** Increasingly, patients expect to see same-day results—even if that involves a temporary prosthesis while the bone heals. New advances in imaging, materials, and design are helping dental professionals place implants more effectively and efficiently—and with better outcomes.



**+ 20**  
years  
implant  
experience

These advances have also led to a profusion of implant types, materials, and systems—a sometimes confusing array of choices. **That's why experience matters.** The Neodent® Grand Morse™ Implant System is flexible, consistent, and engineered to deliver high quality treatment options to your patients. It's the work of more than 20 years and draws on the input of dedicated clinicians worldwide. Now that expertise is available to you.



**2nd**  
largest dental  
implant  
company  
worldwide\*

**THE NEODENT®  
GRAND MORSE™  
IMPLANT SYSTEM:**

Delivering excellence  
in **5** ways

**5**

# 1 Simplicity and Control

When we designed the the Neodent® Grand Morse™ Implant System, we worked in collaboration with clinicians around the world to discover new ways to master that complexity. We redesigned tools and workflows to be simple and efficient—without sacrificing the flexibility or precision you need to master even the toughest clinical challenges. You can work more effectively and focus more fully on delivering the predictable outcomes your patients expect and deserve.



## An outstanding driver.

The Neodent® Grand Morse™ Implant Driver supports reliable implant pick up and placement. Lift the implant directly from the packaging and attach it easily and securely to the implant with no manual intervention. Time wasted refastening a bobbling implant to the driver is eliminated, you work more efficiently, and your patients have more confidence in your ability to provide an efficient, satisfactory experience.



## One screwdriver for every need.

Abutments and screws come in all shapes and sizes. But the right tool for the job turns out to be a single screwdriver. Thanks to a unique star design, the new Neo Screwdriver is compatible with all Neodent® Grand Morse™ healing abutments and restorative screws. Simplicity is transformative. With a single tool for multiple uses, you can work faster and with more focus.



## Intuitive surgical kit.

All Neodent® Grand Morse™ implants can be placed using a newly designed surgical kit laid out in an intuitive, thoughtful way. With everything organized for optimal workflow, you'll find what you need when you need it—for a more efficient and accurate surgical procedure.



DR. RIAD ALMASRI,  
DDS, FICOI  
CEO / Prosthodontist

*“When the Neodent Grand Morse implant line was introduced to me, my immediate reaction was that this is not only an **excellent implant system**, but it’s **simple** too!”*

# 2 Flexible Options for Every Patient

The Neodent® Grand Morse™ prosthetic portfolio offers a wide range of restorative options for more natural-looking results. Whether your assessment indicates a single, partial, or full restoration, the portfolio's flexibility allows you to provide your patients with superior function, optimal comfort, and great smiles.

Screw or cement-retained single and multiple unit options in different sizes and angulations give you unparalleled flexibility for managing all treatment protocols. Final prosthetics can be milled from conventional impressions or from digital scans uploaded directly to a fabrication facility of our choice.

*"I like the prosthetic connection associated with Neodent and also surgically it is **very easy to use.**"*



**DR. ANDREW KELLY**  
DDS

## COMPREHENSIVE PROSTHETIC PORTFOLIO FOR OPTIMIZED ESTHETIC RESULTS

Pro-PEEK Abutment	Titanium Base	Titanium Base C	Titanium Block	CoCr Abutment	Anatomic Abutment (straight or angled)	Universal Abutment (straight or angled)	Abutment	Angled Mini Conical Abutment	Mini Conical Abutment	Micro Abutment
Temporary Single-unit	Single-unit						Multiple-unit		Single/Multiple-unit	
Screw/Cement-retained prosthesis				Cement-retained prosthesis		Screw-retained prosthesis		Screw-retained prosthesis		

# 3 A System For All Bone Types

When we designed the Neodent® Grand Morse™ System, we wanted to deliver a complete range of treatment options for all indications. When it comes to bone type, clinical situations will vary. The innovative thread design of the Helix™ Grand Morse™ implant provides the flexibility you need to manage all bone types more successfully and efficiently. A dynamic and progressive thread design compresses bone and self-taps to achieve greater stability across all indications.

## THREE OPTIONS PROVIDE EVEN GREATER FLEXIBILITY:

### NEODENT® GRAND MORSE™ HELIX™ IMPLANT

#### Fully tapered body design

- Coronal : 2° - 12°
- Apex : 16°

» Allowing under prepping of the osteotomy



#### Hybrid contour

- Coronal : Cylindrical
- Apex : Conical

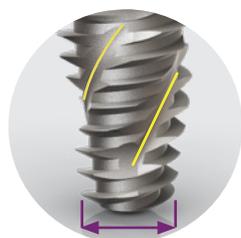
» For stability with vertical placement flexibility



#### Active apex

- Soft rounded small tip
- Helicoidal flutes

» Enabling immediate loading



*"I love the **morse tapered connection** that goes inside the implant and when it comes to the implant itself I love the thread design and the way it grabs the bone."*



**DR. SAMANTHA SIRANLI**  
DMD, PhD, FACP

# 4 Faster Healing Times

Biomaterials, surface properties, make a difference to the long-term success of an implant. The Neodent® Acqua™ Surface is an innovative surface featuring increased wettability. The hydrophilic surface presents a smaller contact angle when in contact with hydrophilic liquids. This provides greater accessibility of organic fluids to Acqua implant surface.

The titanium oxide layer over an implant surface is usually electronegative—typically occurring when the surface is exposed to air. Because blood is also electronegative, a barrier is formed which takes several weeks to break down.

The Neodent® Acqua™ Implant is packaged in a liquid and never exposed to air, so that its surface remains positively charged and able to adhere quickly to negative ions in the blood. With that increased contact, the process of osseointegration begins more quickly to speed healing and create a more stable foundation for the implant.

## Surface Comparison

Lab generated image



*NeoPoros Hydrophobic*



*Acqua Hydrophilic Surface*

Determination that  
comes from stability.



# 5 A Strong and Stable Foundation

The implant-abutment interface is crucial for a successful, long-term functional and esthetic outcome. The Neodent® Grand Morse™ connection combines a tapered implant featuring internal indexation with proven platform switching to help prevent crestal bone loss and promote soft tissue growth. All Neodent® Grand Morse™ implants feature the unique Grand Morse™ connection regardless of the implant diameter. That deep connection provides more stability and supports immediate placement of temporary prosthetics—so you can deliver “same day” smiles to your patients.

## Stability four ways:

- *Deeper seating with more contact between the abutment and the implant*
- *A tapered implant designed to ensure tight fit for an optimal connection sealing*
- *Abutments designed with a narrower diameter than the implant coronal area, enabling the platform switching*
- *Internal indexation for precise abutment positioning, protection against rotation, and easy handling*



**DR. DAN HOLTZCLAW**

Diplomate, International Congress of Oral Implantologists  
Diplomate, American Board of Periodontology



*“Overall, I would give the Neodent Grand Morse Implant System an **A+** for function and flexibility.”*

A close-up photograph of several hands holding lit sparklers, creating a bright, celebratory scene with many sparks flying out. The background is dark, making the golden sparks stand out.

Are you ready  
to achieve excellence?

**The Neodent® Grand Morse™ Implant System** delivers the versatility, flexibility, and stability you need to treat more patients more successfully.

**Contact your representative today** to learn how you can start working more efficiently to deliver even better outcomes for your patients.

Learn More at  
[neodent.us/grandmorse](https://neodent.us/grandmorse)

## REFERENCES

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