



# SLEEP DENTISTRY 4.0™

Setting new standards in custom sleep appliance development

PANTHERA | CLASSIC

PANTHERA | X3



Contact us at **800.828.7626** if you need your case expedited.



## Turnaround

Delivered within  
18 days from  
receipt of the case.

## SMALL, LIGHTWEIGHT, DURABLE

Designed for patient comfort and compliance.

Made with biocompatible medical grade nylon:  
high tensile strength, flexible for optimal  
undercut retention, rigid for occlusal surfaces.

Resistant to bruxism, cracking and abrasion.

Patented titration systems: easy,  
precise & secure.



## Quick replacements

Printed from  
digital records.



NEXT GENERATION CAD/CAM  
Precise / Reliable / Reproducible

# PANTHERA | CLASSIC

Traction design parallel to the occlusal plane for TMJ protection

Small and lightweight for better patient compliance.

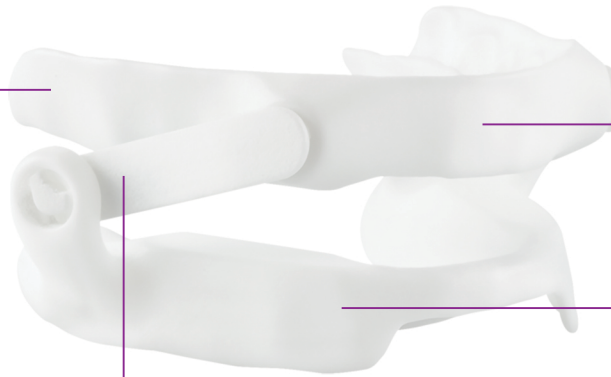
- More space for the tongue. Patient can speak, drink and achieve a lip seal.

No posterior contact.

- Additional TMJ protection.

Patented titration system.

- Easily adjustable in 0.5mm.



Minimized risk of tooth movement.

- No incisor contact (150 micron gap).
- Retention anchored on the strongest teeth.
- Designed for rigidity.

Favors mouth closure and nasal breathing.

- Elastics available.

Single-material device, no metal parts.

## UNIQUE ANCHOR SYSTEM – RESISTS LATERAL MOVEMENT

Length printed on the rod for easy reference.



Rods 3.0 Pack.

20 pairs of elongation proof nylon rods are provided with every device for a titration range of 20.5 to 30mm.

Engineered for resistance to mandibular forces.

## BANDS AND PLATEAUS

Over 300 customization options to ensure every patient receives a truly tailor-made device.

### Standard design



Labial Overlap



Labial

### Additional options



Full



Lingual Overlap



Lingual



Full



Overlap Lingual



Overlap Labial

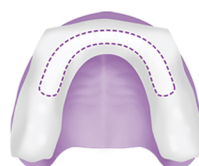
Available with contact



Lateral



Full



Full



Anterior



Lateral

# PANTHERA | X3

## Strong and lightweight dorsal fin design

### Easy clip-on titration system. (Patent pending)

- Precise, secure and resistant.
- No metal parts, no tools required. Reduced risk of error.
- No tissue contact.

### No posterior contact.

- TMJ protection.

### Fin angled at 20°.

- Allows drinking and talking.



### Guidance ramp

- No space for fin to intrude.

### Undercut retention.

- No ball clasps.

### Vertical dimension opening.

- Without compromising oral cavity.

### Anterior opening available.



## TITRATION / SIMPLE AND EASY CLIP SYSTEM



## BANDS AND PLATEAUS

Over 300 customization options to ensure every patient receives a truly tailor-made device.

### Standard design



Labial  
Overlap

### Additional options



Labial   Full   Overlap  
Lingual   Full   Overlap  
Lingual   Overlap  
Labial

Available with contact



Full

Full



Anterior

Lateral

# 3D PRINTING PIONEER | 10+ YEARS OF R&D | 27+ PATENTS

Panthera Sleep designs and manufactures cutting-edge customized medical devices for sleep-related breathing disorders such as snoring, obstructive sleep apnea and bruxism.

All Panthera Sleep products are produced using proprietary design software, industrial 3D printing processes and medical grade polyamide Type 12, a biocompatible, highly durable and versatile nylon.

## COMPUTER-AIDED DESIGN AND MANUFACTURE

To ensure the highest quality of production we are continually enhancing our proprietary design software with AI technology to improve speed and precision.

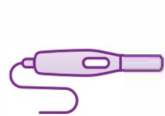
Our fully digital 'Industry 4.0' facility guarantees high precision, eliminates human error and streamlines production, producing appliances faster and more accurately than with traditional manufacturing methods.

So you can treat patients quicker and with fewer chair-side adjustments, knowing that model data may be digitally archived allowing for immediate case reproduction if needed and freeing up physical storage space.

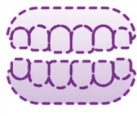
Panthera devices can be produced from conventional impressions or intra oral scans. Our CAD software is compatible with:



## FULLY DIGITAL WORKFLOW



Arch scan & bite registration



Send the STL files



Fill out the online prescription: [order.pantheradental.com](http://order.pantheradental.com)



CAD (design)



CAM (3D printing)



Quality Control



Express shipping

Dental practitioner



Panthera Dental



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