



Your Full Service Dental Laboratory

CAD/CAM and Milling
Cosmetic Dentistry
Crowns & Bridges
Dental Implant Prosthetics
Full/Partial Dentures
Snoring & Sleep Apnea
Orthodontics
Mouthguards & Thermoforming
Streamline Aligners

Your Snoring & Sleep Apnea Appliance Experts

Orthodont® has the experience and expertise to construct a wide variety of Snoring & Sleep Appliances to fit your patients' needs.

800.267.8463 | 905.436.3133 | www.orthodont.ca

**Technical
Expertise
Beyond Your
Expectations**



What is Sleep Apnea?

Sleep apnea is a serious and debilitating disorder that occurs when a person's breathing is interrupted during sleep. Symptoms can include loud snoring, restless sleep, morning headaches, daytime fatigue, irritability, mood swings, depression, and learning and/or memory difficulties. If left untreated, sleep apnea can result in a growing number of health problems, including cardiovascular disease, heart attack, high blood pressure, stroke, diabetes, and even sudden death. Sleep apnea affects more men than women, with an estimated one in every 15 people affected by at least moderate sleep apnea.

The most common type of sleep apnea, obstructive sleep apnea, is caused by a blockage of the airway, usually when the soft tissue in the back of the throat collapses during sleep. While behavioral changes can help to some degree, dental appliances have been found to be a more effective treatment for people suffering from mild to moderate obstructive sleep apnea. The advantage of a dental appliance is that it does not require surgery and it is small and more portable than a bulky CPAP machine.

Orthodont® is proud to introduce its line of Snoring & Sleep Apnea appliances in this brochure. Our appliances can offer patients welcome relief from the effects of sleep apnea, especially when surgery is not an option. An Orthodont® appliance may be used to reduce the volume and frequency of snoring, or to improve airflow and interrupted breathing, or for both of these issues. Many doctors find that choosing the correct appliance from Orthodont® is the perfect solution for their patients finally getting a restful night's sleep, which can lead to their reduced daytime sleepiness and the possible prevention of other more serious health problems.

Here you will find information about our most popular appliances that can be incorporated easily into your armamentarium of treatment options. Our knowledgeable technicians can assist you in developing and constructing the ideal appliance for both you and your patients.

Bill Van Evans, President

Quality
You Can
Count On!

Snoring & Sleep Apnea Appliance Experts!



Forward Appliance



SilentNite® /Silensor S/L



The Panthera D-SAD



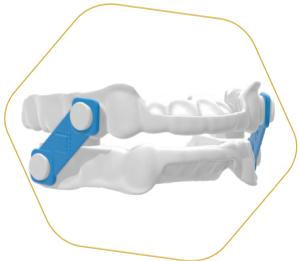
Panthera X3



SomnoDent® Classic



SomnoDent Avant



DDSO™
(Diamond Digital Sleep Orthotic)



The O2 Oasys Oral/
Nasal Airway System



dreamTAP™



Thornton Adjustable
Positioner – TAP III®



EMA® Appliance (Elastic
Mandibular Advancement)

SilentNite® /Silensor S/L

The SilentNite® appliance positions the lower jaw into a forward position by means of special connectors that are attached to the upper and lower forms.

The SilentNite® does not interfere with breathing through the mouth. The connectors allow the patient to move the jaw side to side and open and close the mouth, minimizing potential stiffness in the joints of the jaw in the morning.



The Panthera D-SAD and X3



Digital-Sleep Apnea Device

The Panthera D-SAD is a dental appliance that can be used for the treatment of snoring and/or obstructive sleep apnea.

The appliance is made of type 12 polyamide, a resistant biocompatible nylon.

The Panthera D-SAD is recommended to be prescribed for the treatment of snoring, mild to moderate sleep apnea, and severe sleep apnea for patients who do not tolerate the CPAP treatment or comply with it.

The Panthera D-SAD is the smallest device in the industry and it is the only one that is entirely printed using CAD/CAM technology.

- Efficient & Comfortable
- Small & Light
- Flexible & Resistant
- 3 Year Warranty



Next Generation Dorsal Fin Sleep Appliance 100% Nylon CAD/CAM

- FDA 510(K) cleared for obstructive sleep apnea and snoring
- Made from biocompatible nylon
- Patent-Pending clip on titration
- Small, lightweight, custom-made
- Maximized comfort & patient compliance
- Bruxism & breakage resistant
- 3 year warranty
- Titration in 0.5mm increments
- 15 working days in-lab turn around time

SomnoDent® Avant and Classic

SomnoMed's smallest, slimmest, strongest, and first milled oral device with a soft liner for the treatment of mild to moderate obstructive sleep apnea.

The SomnoDent Avant is the latest device to be introduced by SomnoMed, and is digitally designed for dentists who want a slim, durable device with a quality fit and finish. The SomnoDent Avant is also our slimmest, strongest and first milled device, and features our comfortable, patented Bflex liner for patient comfort. Patient comfort is directly correlated to patient compliance, lending to the efficacy of this device. The SomnoDent Avant is your opportunity to reduce time adjusting devices chairside, as it is being lauded for its easy, drop-in fit.

What are the benefits?

The SomnoDent Avant device is:

- Custom fit to your mouth.
- Very adaptable. If you have missing teeth or dental restorations, your oral device can be adapted as needed.
- Non-restrictive in movement. You can open and close your mouth, take medication, speak clearly, yawn, and drink while wearing your appliance.
- Made with high-quality materials.



SomnoDent®
Avant



SomnoDent®
Classic

The SomnoDent® Classic is SomnoMed's original innovation in customized oral devices, the Classic is held in place using medical grade stainless steel ball clasps on a soft interior lining for increased comfort.

- Offers drop in fit
- Comes in a version that allows for more space for the patient's tongue.
- 91% of patients reported improvement in sleep quality with SomnoDent®
- All SomnoDent® products feature a 3-year warranty against manufacturing defects.

SomnoDent® oral devices are clinically proven, safe, and FDA cleared for mild to moderate obstructive sleep apnea (OSA). As a mandibular advancement splint (MAS), the SomnoDent® oral devices function by comfortably positioning the patient's mandibular forward, clearing the obstructed airway.

Forward Appliance

FORWARD!



The upper screws are specifically designed to get a thrust on the lower inclined plane of the unit: the protrusive anterior portion is a **metallic body perfectly angulated at 70°**, while the back portion ensures extensive retention capacity for the acrylic to avoid breakage.

The screw mechanism has an **in-built stop** that gives **perfect friction** and **stability** during the movement of lower jaw forward, as well as preventing the screw from coming apart once **7 mm** of maximum elongation is reached.

The lower wings, one right and one left, are **anatomically shaped** for **superior comfort** and perfect matching with the 70° angulated body of the upper screws.

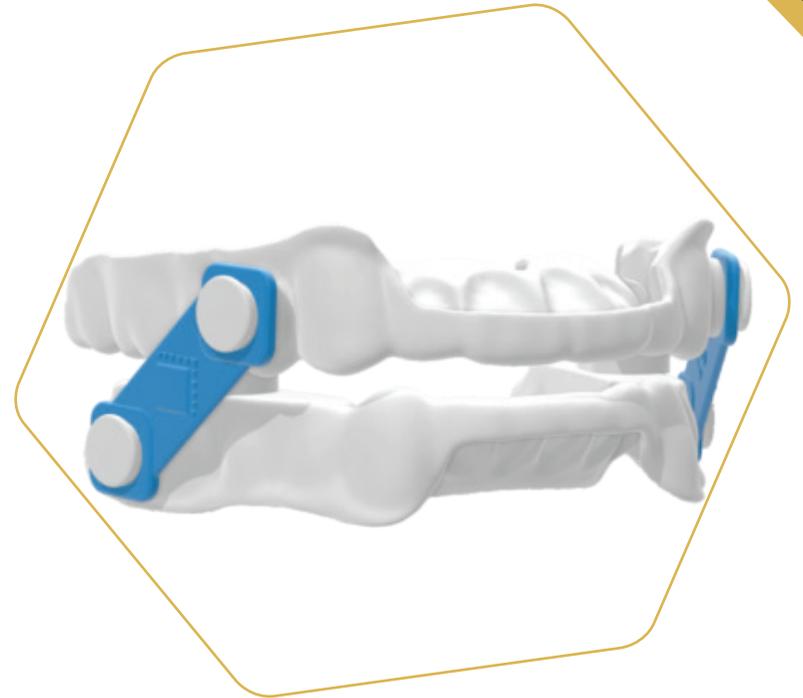
The clear material is fully compatible with any orthodontic acrylic resin, while the inner metallic frame **can be anatomically adapted and incorporated** into the resin of the lower splint, to ensure superior strength for the mandibular advancement in adult patients.

Each upper screw has an arrow clearly laser marked on metal front body, indicating a single **direction of activation** to get the forward movement. The screws, both left and right, are specific manufactured to get a **single direction of activation on both sides** and minimize errors. Each directional activation generates 0.1 mm advancement.

DDSO™(Diamond Digital Sleep Orthotic)

Core Features and Benefits!

- Mandibular Repositioning - Repositions the mandible forward which brings the base of the tongue forward, opening the oropharynx and strengthening the upper airway. This results in greater resistance to airway collapse. By holding against the front teeth it uses the proprioceptive stimulation of the dentition to encourage the mandible to reposition in a gentle way.
- Adjustability
- Elastomeric straps allow for some lateral movement and prevent retrusion of the mandible.
- Elastomeric straps are available in a range of sizes to allow for titration of the mandible.
- Maximum Intraoral Volume - accomplishes dual action of mandibular repositioning and nasal dilation while maintaining maximum intraoral space for the tongue. Designed Digitally and 3D printed in white biocompatible Nylon allowing for a thinner, more comfortable, more durable appliance.
- Reduction of Forces on Teeth - comes with an upper and lower splint that distributes the forces of repositioning throughout both arches.
- Flexibility - Optional occlusal schemes include: anterior, posterior, tripod or full coverage.
- Digital design and fabrication allows for replacements to be made without new records, should the appliance be lost or damaged.



For additional information, call toll free: 800.267.8463

The O2 Oasys Oral/Nasal Airway System



This is the first dental device for Snoring, Obstructive Sleep Apnea (OSA) and Upper Airway Resistance Syndrome (UARS) that treats the two major causes of sleep disordered breathing by addressing upper airway resistance in the nasal region and blockage in the throat region.

The OASYS is FDA approved as a medical device in two separate classifications (1) As a mandibular repositioner for treatment of snoring and sleep apnea and (2) As a nasal dilator for improved ease of breathing.

Easy Mandibular Advancement and Retraction with Patient-Friendly Locking System

- Nasal Dilators to Improve Nasal Breathing
- Optional Lingual Tongue Repositioning / Training
- Buttons for Increased Benefit to Moderate/Severe OSA Patients
- Maximum Tongue Space & Freedom of Movement
- MM Scale to Track Mandibular Position.
- The Recommended Oral Appliance for UARS-Upper Airway Resistance Syndrome

Thornton Adjustable Positioner – TAP III®



The Thornton Adjustable Positioner TAP III® uses the principle of cardiopulmonary resuscitation to keep the airway open in order to help patients maintain proper breathing techniques.

Oxygen is allowed to flow adequately into the airway with the help of a device that holds the lower jaw forward to prevent collapse of the airway and eliminate instances of breathing cessation.

With improved breathing, patients are able to get a good night's rest and give their partners a chance to sleep with decreased snoring. The TAP III® device is comfortable and adjustable to fit the patients' unique mouth size and shape.

dreamTAP™



With the dreamTAP™, the goal is to prevent snoring and sleep apnea, thereby improving health and quality of life.

The dreamTAP is a custom, adjustable oral appliance that is worn while sleeping. The appliance holds the lower jaw forward, preventing the tongue and soft tissue of the throat from collapsing into the airway.

Whether for you or someone you know, dreamTAP™ is the key to better sleep and better health.

EMA[®] Appliance (Elastic Mandibular Advancement)



EMA's thin, clear upper and lower bases are custom pressureformed from your patient's models. Fitting like a retainer, they utilize undercut areas of teeth for retention. Full occlusal coverage on both arches ensures excellent long-term stability (without tooth movement).

EMA[®] appliances have no projections in the palate ensuring maximum anterior tongue space. The specially designed, patented elastic straps on the EMA[®] appliance provide unsurpassed lateral freedom and overall TMJ comfort.

These straps gently bring the mandible forward into the desired position moving the tongue forward and opening up the airway.

**We
welcome the
opportunity
to work with
you!**



How to Send a Case

Orthodont is a fully digital integrated dental laboratory and accepts all digital files. To fabricate snoring and sleep apnea appliances, accurate working models and bite registration are needed. To avoid any model distortion, the impressions should be poured as soon as possible. The bite is taken with the mandible advanced to the construction position to allow appliance construction, and open the airway. The upper and lower midline relationship should remain the same. The models and bite should be wrapped individually and sent to Orthodont® for appliance fabrication.

Delivery Times

Our normal scheduling is 5 days in the laboratory for all sleep apnea appliances, except for SomnoMed® appliances (10 days), Panthera and DDSO appliances (21 days). To be sure your appliances are delivered promptly, please use the “date wanted” box on all your prescription forms that require a specific due date and include a time also if known. It is important to allow 2 days for shipping each way when scheduling your cases.

Shipping & Handling

To avoid damage, we recommend that each model is wrapped individually. All models should be marked with both the patient and doctor’s name for proper identification. For shipping your cases to Orthodont®, we provide convenient prepaid courier service anywhere in North America. Please call our office to arrange for a pick up.

Technical Assistance

Orthodont® is as close as your cellphone. Feel free to call 800.267.8463 for assistance on appliance designs and appliance adjustments.

For additional information -

Please call toll free: 800.267.8463 or visit www.orthodont.ca