













Company		Airway Management Inc	Apex Dental Sleep Lab	Dream Systems Dental Sleep Lab
Appliance				
		flexTAP	EMA Serena Nylon	OASYS Oral / Nasal Airway System (Optional Tongue Positioning Buttons)
Website		<a href="http://www.tapintosleep.com">www.tapintosleep.com</a>	<a href="http://www.apexsleep.com">www.apexsleep.com</a>	<a href="http://www.dreamsystemdentallab.com">www.dreamsystemdentallab.com</a>
Warranty (days)		1,095	730	365
INDICATIONS	Mild-Moderate OSA	Yes	Yes	Yes
	Snoring	Yes	Yes	Yes
	Bruxism	No	No	No
MATERIALS	Biocompatible Polymer	No	No	Yes
	Cobalt-Chromium Alloys	No	No	Yes
	Stainless Steel	No	No	Yes
	Ethylene-Vinyl Acetate	No	No	No
	Hard Acrylic	No	No	Yes
	Laminate	Yes	No	Yes
	Thermal Acrylic	Yes	No	Yes
	Nylon	Yes	Yes	No
	More Details	No metal parts	Biocompatible nylon	
PDAC Verified		Yes	No	Yes (Only OASYS Herbst w/Nasal Dilators & Tongue Lifters)
How Does the Oral Appliance Work?		FlexTAP advances the lower jaw with a single point midline advancement. Self-titratable adjustments in 1/3 mm increments aid in easier, faster, and better treatment outcomes.	Uses Frantz Design Patent Elastic Mandibular Advancement straps that have been used to treat mild to moderate sleep apnea for over 25 years to position the jaw forward while managing comfort and durability with biocompatible nylon.	The Oasys Simplicity provides mandibular advancement. The standard Oasys with Nasal Dilators improves nasal breathing and adding Tongue Lifters improves forward tongue positioning.
Intraoral-Scan Impression Compatible		Yes	Yes	Yes
Max Protrusion/ Max Retrusion/ Adjustment Increment (mm)		17/ 2/ 0.333	9/ 0/ 1	15/ 5/ 1
Upper-Lower Connection		Connected.	Connected.	Not connected.
Custom Accessories Available		Mouth Shield nasal breathing trainer, AM Aligner morning repositioner	None	Retention clasps, hooks & elastics, in combination with Invisalign
Supporting Study		<a href="http://tapintosleep.com/peer-reviewed-studies">tapintosleep.com/peer-reviewed-studies</a>	Not provided.	Shrivastava D, Bixby JK, Livornese DS, et al. Efficacy of oral appliance therapy in the treatment of severe OSA in CPAP-resistant cases. <i>Sleep Vigilance</i> . 2018.
Features		The flexTAP post is angled at a 45-degree angle, allowing the patient to advance their lower jaw both vertically and horizontally at the same time. This allows the tongue to move up and out of the airway more than traditional oral appliances.	Durable and thin nylon.	Unique applications with upper denture, minimal dentition upper or lower, nasal obstruction or resistance, in combination with Invisalign.

DynaFlex	Great Lakes Dental Technologies	Luco Hybrid OSA Inc
 <p>DynaFlex Herbst</p>	 <p>Nylon Sleep Herbst</p> <p>See our ad on page 31</p>	 <p>Luco Hybrid OSA Appliance</p>
www.dynaflex.com/dental-sleep-medicine	www.greatlakesdentaltech.com	www.lucohybridosa.com
1,095	730	365
Yes	Yes	Yes
Yes	Yes	Yes
No	No	Yes
Yes	No	No
No	No	Yes
Yes	No	Yes
No	No	No
Yes	No	Yes
No	No	No
No	No	No
No	Yes	No
Yes	Yes	Yes
Protrudes the mandible forward to open the airway.	Mandibular position is set to open the airway and hold this position while sleeping.	For OSA, advances the tongue and mandible forward opening the airway. For sleep-related bruxism, the patented forward bite reduces or eliminates the sleep-related bruxism as well as the associated increases in heart rate, blood pressure, and cardiovascular risk.
Yes	Yes	Yes
5/ 0.5/ 16-1	4/ 1 /<0.25	10/ 2/ 0.25
Connected.	Connected.	Not connected.
Comes standard with hooks for elastics	Advancement shims, 'C' cut shims, elastics, telescopic hardware	Not required
Not provided.	Not provided.	DOI: 10.4172/2325-9639.1000223, DOI: 10.4172/2325-9639.1000218, DOI: 10.4172/2325-9639.1000211
CAD/CAM designed for precision.	Allows lateral and vertical movement without disengaging the appliance. Made less than 1 mm thick, retains durability and retention while maintaining appropriate flexibility.	The Luco Hybrid is the first and only FDA cleared treatment of sleep-related bruxism.

Company		Open Airway Dental Solutions Ltd	Open Airway Dental Solutions Ltd	Panthera Dental
Appliance		 See our ad on page 33	 See our ad on page 35	 See our ad on page 35
Website		openairway.com	openairway.com	www.pantherasleep.com
Warranty (days)		1,095	1,095	1,095
INDICATIONS	Mild-Moderate OSA	Yes	Yes	Yes
	Snoring	Yes	Yes	Yes
	Bruxism	No	No	No
MATERIALS	Biocompatible Polymer	No	No	Yes
	Cobalt-Chromium Alloys	No	No	No
	Stainless Steel	No	No	No
	Ethylene-Vinyl Acetate	No	No	No
	Hard Acrylic	No	No	No
	Laminate	No	No	No
	Thermal Acrylic	No	No	No
	Nylon	Yes	Yes	Yes
More Details		3D printed with durable nylon	3D printed with durable nylon	
PDAC Verified		Yes	Yes	Yes
How Does the Oral Appliance Work?		O2Vent Optima has two mechanisms of action that add stability to the airway. 1. A mechanism of advancing the jaw forward encouraging a more open airway. 2. Incorporates an airway channel that further stabilizes the airway.	O2Vent Optima has two mechanisms of action that add stability to the airway. 1. A mechanism of advancing the jaw forward encouraging a more open airway. 2. Incorporates an airway channel that further stabilizes the airway.	Traction appliance design, in line with the occlusal plane, promoting nasal breathing, minimizing stress on the TMJ and allowing more space for the tongue. A single set of upper and lower splints are connected through a patented rod titration system.
Intraoral-Scan Impression Compatible		Yes	Yes	Yes
Max Protrusion/ Max Retrusion/ Adjustment Increment (mm)		6/ 2/ 1	6/ 2/ 1	N/A/ N/A/ 0.5
Upper-Lower Connection		Connected.	Connected.	Connected.
Custom Accessories Available		Connector bands, biteforks.	Connector bands, biteforks.	Pairs of interchangeable elongation-proof rods allow for a titration range from 16 mm to 34 mm in 0.5 mm increments. Patented locking mechanism prevents rods from disengaging during sleep.
Supporting Study		openairway.com/pages/clinical-resources	openairway.com/pages/clinical-resources	Not provided
Features		The O2Vent Optima products are OADS' latest offering in the O2Vent oral appliance range. The lower jaw can be moved forward to a comfortable range while also allowing the integrated airway channel to bypass nasal congestion and other areas of airway collapse, such as from the tongue, soft palate, and lateral walls.	The O2Vent Optima Mini is a discreet, low-profile oral device that manages the upper airway for the treatment of mild to moderate obstructive sleep apnea (OSA) and snoring. The O2Vent Optima Mini's design (without the airway extension) may benefit patients requiring enhanced lip-seal to avoid excess saliva build-up and/or dry lips.	A CAD/CAM process uses robotics, AI, and proprietary software to custom-make these nylon appliances from intraoral scans or physical impressions. High manufacturing precision, with numerous customization options and an exclusive polishing process.

Company	Panthera Dental	ProSomnus Sleep Technologies	ProSomnus Sleep Technologies	ProSomnus Sleep Technologies	
Appliance	 <p>See our ad on page 35</p> <p><b>Panthera D-SAD X3</b></p>	 <p>See our ad on page 5</p> <p><b>ProSomnus EVO</b></p>	 <p><b>ProSomnus EVO [PH]</b></p>	 <p><b>ProSomnus EVO SELECT</b></p>	
Website	<a href="http://www.pantherasleep.com">www.pantherasleep.com</a>	<a href="http://www.prosomnus.com">www.prosomnus.com</a>	<a href="http://www.prosomnus.com">www.prosomnus.com</a>	<a href="http://www.prosomnus.com">www.prosomnus.com</a>	
Warranty (days)	1,095	1,095.75	1,095 (+730 for Medicare patients)	1,095.75	
INDICATIONS	Mild-Moderate OSA	Yes	Yes	Yes	
	Snoring	Yes	Yes	Yes	
	Bruxism	No	No	No	
MATERIALS	Biocompatible Polymer	Yes	Yes	Yes	
	Cobalt-Chromium Alloys	No	No	No	
	Stainless Steel	No	No	Yes	No
	Ethylene-Vinyl Acetate	No	No	No	No
	Hard Acrylic	No	No	No	No
	Laminate	No	No	No	No
	Thermal Acrylic	No	No	No	No
	Nylon	Yes	No	No	No
More Details		Medical grade class VI	Medical grade class VI	Medical grade class VI	
PDAC Verified	Yes	Yes	Yes	No	
How Does the Oral Appliance Work?	Low profile and lightweight dorsal fin appliance. Maximizes tongue space and avoids soft tissue contact. A single set of durable upper and lower splints are adjusted using an interchangeable clip system.	ProSomnus EVO uses vertically mated buccal posts to advance and hold the mandible forward to open the airway.	The ProSomnus [PH] uses a continuous advancement protocol. Upper arch connects via Herbst Arm to lower arch with an adjustment nut.	ProSomnus EVO SELECT uses vertically mated buccal posts to advance and hold the mandible forward to open the airway.	
Intraoral-Scan Impression Compatible	Yes	Yes	Yes	Yes	
Max Protrusion/ Max Retrusion/ Adjustment Increment (mm)	5/ -1/ 0.5	unlimited/ customizable/ 1	12/ -1/ 0.1	unlimited/ customizable/ 1	
Upper-Lower Connection	Not connected.	Not connected.	Connected.	Not connected.	
Custom Accessories Available	Titration clips (allow adjustment from -1 mm to +5 mm in 0.5 mm increments).	Monogram customization options.	Monogram customization options.	Monogram customization options.	
Supporting Study	Not provided.	Mosca E, Remmers J. Precision vs traditional oral appliance therapy: A comparison of therapeutic efficacy. <i>JDSM</i> 10.2. Abstract #006. ( <a href="https://aadsm.org/journal/abstracts_issue_102.php">https://aadsm.org/journal/abstracts_issue_102.php</a> )	Not provided.	Not provided.	
Features	A CAD/CAM process uses robotics, AI, and proprietary software to custom-make these nylon appliances from intraoral scans or physical impressions. High manufacturing precision, with numerous customization options and an exclusive polishing process.	Incorporates advanced materials, manufacturing robotics, and AI to advance the treatment of OSA using a precision platform. In a controlled IRB study (2021), 100% of patients preferred EVO over previous devices and CPAP; 100% of providers would recommend EVO; and 100% of providers stated EVO was easy to deliver. Features MG6 technology.	ProSomnus EVO [PH], FDA cleared and Medicare E0486 verified. EVO [PH] is the only dual arm advancement device with innovative materials, manufacturing robotics and artificial intelligence designed to provide a better experience for all patients.	Engineered for performance, biocompatibility and the greatest comfort. A signature variation of the ProSomnus EVO device, EVO SELECT is optimized for patients who may benefit from a more compact, effective, and easy to use precision OAT medical device using the most innovative materials.	

	SICAT GmbH & Co KG	Slow Wave Inc	SomnoMed	Tomed GmbH
<b>Appliance</b>				
	OPTISLEEP	Slow Wave DS8	SomnoMed Herbst Advance Elite	SomnoGuard SP Pro
<b>Website</b>	www.optisleep.com	www.slowwave.net	somnomed.co/en/dentists/products	www.tomed.com
<b>Warranty (days)</b>	730	1,095	1,095	730
<b>INDICATIONS</b>	<b>Mild-Moderate OSA</b>	Yes	Yes	Yes
	<b>Snoring</b>	Yes	Yes	Yes
	<b>Bruxism</b>	No	No	No
<b>MATERIALS</b>	<b>Biocompatible Polymer</b>	Yes	No	No
	<b>Cobalt-Chromium Alloys</b>	No	No	No
	<b>Stainless Steel</b>	No	No	Yes
	<b>Ethylene-Vinyl Acetate</b>	No	No	No
	<b>Hard Acrylic</b>	Yes	Yes	Yes
	<b>Laminate</b>	No	No	No
	<b>Thermal Acrylic</b>	No	No	No
	<b>Nylon</b>	No	No	No
<b>More Details</b>		BioMed Clear		
<b>PDAC Verified</b>	No	Yes	Yes	No
<b>How Does the Oral Appliance Work?</b>	The airway is kept open by protrusion of the mandible with a 2-part appliance. It allows for lateral movement and mouth opening.	Incorporates a vertical opening and makes more room for the tongue. Also stimulates your brain to naturally migrate the tongue forward during sleep.	The device functions as a mandibular repositioner, which acts to increase the patient's pharyngeal space during sleep.	A 2-piece, adjustable mandibular advancement device with a connector on each side, it repositions the lower jaw forward and so prevents collapse of the upper airway.
<b>Intraoral-Scan Impression Compatible</b>	Yes	Yes	Yes	Yes
<b>Max Protrusion/ Max Retrusion/ Adjustment Increment (mm)</b>	9/ 9/ 1	2/ 2/ N/A (no adjustments needed)	8/ -1/ 0.5	7/ 3/ 1
<b>Upper-Lower Connection</b>	Connected.	Not connected.	Connected.	Connected.
<b>Custom Accessories Available</b>	None.	None.	Distal wrap, breathing hole, Denti-Trac compliance recorder, edentulous.	Straps, screws.
<b>Supporting Study</b>	Not provided.	Not provided.	Phillips CL, Grunstein RR, Darendeliler MA, et al. doi: 10.1164/rccm.201212-22230C	Not provided.
<b>Features</b>	Not provided.	No need for morning repositioner. 3D printed. Accurate to within 1/100th of a mm. 100 day money back guaranteed.	The SomnoDent Herbst Advance Elite is a Herbst-style appliance that is individually milled from one piece of pre-cured PMMA for greater flexural strength. All the patented strength improvements in the Herbst Advance are also found in the Herbst Advance Elite. SomnoMed will replace it for free if it breaks, no questions asked, for 3 years. The Herbst Advance Elite is only supplied with a Bflex soft inner liner for increased comfort and unsurpassed retention.	Not provided. ●