











Company		Airway Technologies Inc			Distar LLC	Myerson LLC
Product Name						
		TAP 3	TAP CS (Chairside)	TAP-PAP	TheraSnore II	Myerson EMA
Website		www.tapintosleep.com	www.tapintosleep.com	www.tapintosleep.com	www.distar.com	www.myersonstooth.com
Warranty		1 year	1 year	1 year	1 year against manufacturing defect and workmanship	n/a
FDA 510(k) clearance		Yes	Yes	Yes	Pending	Yes
Indications	Mild to moderate OSA	X	X	X		X
	Severe OSA					
	Snoring	X	X	X	X	X
	Bruxism					
	Other					
Type	Custom	X	X	X	X	X
	Noncustom					
	Boil and bite					
How does the oral appliance work?		The TAP 3 stabilizes the lower jaw in the appropriate protrusive position to prevent airway collapse and tongue blockage, while keeping the jaw closed during sleep. It has a full range of adjustment to beyond maximum protrusion.	The TAP stabilizes the lower jaw in the appropriate protrusive position to prevent airway collapse and tongue blockage while keeping the jaw closed during sleep. It has a full range of adjustment to beyond maximum protrusion.	It combines the TAP 3 with a custom, strapless CPAP mask. By stabilizing the jaw and airway before positive pressure is added, the TAP-PAP treats patients who need more treatment than an oral appliance alone and those who cannot tolerate high CPAP pressures.	Gently holds the lower jaw forward, preventing the tongue and soft palatal tissues from falling back and obstructing the airway during sleep.	EMA uses interchangeable elastic straps and posterior bite pads attached to thermoformed custom trays to allow gradual advancement of the mandible and increased vertical opening until treatment is successful.
Fitting description		Each tray is adjusted for fit and retention. Initial protrusion is set at the time of advancement and can be easily modified. Posterior stops can be added for comfort if necessary.	The TAP CS (chairside) is fabricated in the dentist's office in less than 1 hour while the patient waits. Each tray is adjusted for fit and retention. Initial protrusion is set at the time of delivery and can be easily modified. Posterior stops can be added for comfort if necessary.	The dentist takes an impression and sends it to the lab to fabricate the custom mask. After receiving the mask from the lab, the dentist attaches a post to the upper tray of the patient's TAP 3 device. The custom mask slides onto the post and fits on the patient's face.	Send in polyvinyl siloxane impressions, with completed lab slip, to Distar. Distar will pour models, fabricate the TheraSnore II, and return appliance within 10 business day from the date received.	Fit the upper and lower appliances without the elastic straps to check for comfort and to make sure there is no gingival impingement. Check the posterior bite pads for even occlusion.
Adjustment description		The TAP 3 can be adjusted by the patient, who is taught to self-titrate. It has a precise continuous adjustment mechanism that includes one point of advancement, which prevents unequal jaw torque. It is adjusted while in the patient's mouth and can be easily titrated in the sleep lab.	The TAP CS can be adjusted by the patient, who is taught to self-titrate. It has a precise continuous adjustment mechanism that includes one point of advancement, which prevents unequal jaw torque. It is adjusted while in the patient's mouth and can be titrated in the sleep lab.	Before attaching the mask, the dentist sets the patient's TAP in a specific position so that it no longer adjusts and serves as an anchor for the mask. The dentist adjusts the mask at the time of fitting so that it fits on the patient's face and does not leak.	Lower jaw can be adjusted forward or backward, in the office, by changing either the length or position of the spring. Vertical opening is also easily adjusted in the office.	The EMA appliance uses four different strengths of elastic straps in five different lengths to gradually titrate the mandible. The shorter or stronger the strap, the further the mandible is advanced.
Materials		Hardware choices: medical grade stainless steel, low nickel, or nickel free. Tray linings: The outer layer of the tray is a durable polymer (polycarbonate) and there are two choices for inner lining. (1) Thermoplastic material (ThermAcryl), which softens when heated to allow shaping and reshaping (when necessary) or (2) triple laminate consisting of a dual laminate polymer plus an outer hard plastic shell.	Hardware: medical grade stainless steel. Tray linings: The outer layer of the tray is a durable polymer (polycarbonate) and the inner lining is a thermoplastic material (ThermAcryl), which softens when heated to allow shaping and reshaping (when necessary).	TAP: Hard acrylic with a soft inner lining of thermoplastic or ThermAcryl. TAP-PAP mask: hard acrylic.	Dual laminate trays, stainless steel adjustment springs	The EMA appliance is completely metal free. The custom trays are made from a proprietary thermoplastic and the straps from a latex-free polymer.
Recommended cleaning and maintenance of the device		After use, clean with a toothbrush, cool water, and antibacterial liquid soap. Soak weekly in diluted peroxide for 5 minutes.	After use, clean with a toothbrush, cool water, and antibacterial liquid soap. Soak weekly in diluted peroxide for 5 minutes.	Daily cleaning in warm soapy water using a mild detergent. Rinse and let dry. Use a soft toothbrush on the oral appliance.	Brush appliance after each use to remove any debris, clean every 2 days using Ortho Fresh Cold Water Cleaner.	Clean appliance in tepid water with a toothbrush and toothpaste or soak it in a denture cleaning solution; no mouthwash.
Published, peer-reviewed validation articles		Yes (contact manufacturer for citations)	Yes (contact manufacturer for citations)	Yes (contact manufacturer for citations)	Yes (contact manufacturer for citations)	Yes (contact manufacturer for citations)

Company		Philips Respironics	Pro-Tex International Inc	SomnoMed	Space Maintainers Laboratory	Strong Dental
Product Name		 SnoreSilencer Pro	 Snore Guard	 SomnoDent MAS	 OPAP	 The SUAD Device
Website		snoresilencerpro.respironics.com	www.snoreguard.com	www.somnomed.com	www.appliancetherapy.com	www.strongdental.com
Warranty		30 days	1 year against manufacturer's defects	1 year against manufacturer's defects or breakage	90 days	2-year limited warranty
FDA 510(k) clearance		Yes	Yes	Yes	Yes	Yes
Indications	Mild to moderate OSA	x		x	x	x
	Severe OSA					
	Snoring		x	x		x
	Bruxism		x			
	Other					
Type	Custom			x	x	x
	Noncustom					
	Boil and bite	x	x			
How does the oral appliance work?		The SnoreSilencer Pro is a heat-and-fit mandibular advancement appliance. It incorporates patented hinge technology and custom-like qualities. Three lower trays, each with a fixed pin setting, facilitate different advancement levels.	Fits snugly on the upper teeth. Keeps the jaw in a normal position, preventing it from sagging back—essentially keeping the airway open for relaxed and normal breathing during sleep.	The SomnoDent MAS advances the lower mandible, which slightly tightens the soft tissue and muscles of the upper airway, preventing obstruction while the patient sleeps.	This appliance advances the mandible, opens the vertical, and allows CPAP airflow to be delivered to the back of the throat via patented chamber in the appliance.	The SUAD Device works by positioning the mandible forward into a comfortable position while sleeping, allowing relaxation of the tissues at the back of the throat and ensuring the base of the tongue does not collapse and block the airway.
Fitting description		Fitting occurs in the dentist chair in less than 20 minutes. Three different jaw advancement levels are possible due to three separate lower trays, each with a fixed pin setting.	Fitted at chair side in one simple, 15-minute procedure. Boil, fit to the maxillary arch, bite into bottom trough, and trim.	The SomnoDent MAS does not limit tongue space and is made up of two separate pieces so the patient can speak, yawn, and drink.	Accurate upper and lower models and a specific construction bite are required to fabricate the appliance.	Each SUAD Device is prefitted and adjusted onto duplicates of the master casts supplied. Optional occlusal contacts are available to suit each practitioner and patient need. The SUAD is nonrestrictive in movement and nonclaustrophobic.
Adjustment description		Bicomponent material provides a soft inner shell and helps to enhance ease of fitting and increase rigidity. Three lower trays help patients find an advancement level most satisfactory for them.	Designed to be slightly adjustable. It can be reheated up to three times, and the mandible can be safely moved forward up to 4 mm.	The adjustment mechanism allows the mandibular protrusion to be adjusted (titrated) in the range -0.5 mm to +5.5 mm from the preset level.	No adjustment should be necessary if proper models are provided for fabrication.	The SUAD Device is unlimited in protrusive advancement due to the unique advancement arms used. Standard Herbst arms are adjusted using friction fit or metal advancement spacers. Telescopic Herbst arms are also available and are adjusted using an advancing key.
Materials		Soft thermal plastic	The outer shell is a hard polycarbonate plastic. The inner tray is a soft EVA plastic.	Hard acrylic outer with option for hard acrylic liner or SMH Flex liner. Stainless steel titration element, option available for nickel-free titration element.	Dual laminate materials and hard acrylic are used for construction.	The SUAD Device can be made from either standard triple laminate base materials with a flexible outer shell or a firmer solid Thermo-Flex material throughout. The choice of material depends on the patient's retention and the practitioner's preference. All SUAD Devices are made with medical grade stainless steel.
Recommended cleaning and maintenance of the device		Brush the trays with a toothbrush or finger thoroughly under cold tap water.	Using a toothbrush and toothpaste or soap, brush and then rinse in cool water. Allow to dry completely. Store in container provided. Occasionally soak in a denture cleaning solution or diluted peroxide.	Clean daily with soft toothbrush and mild soap. Store in clean water. Soak 5 minutes in partial denture cleaner weekly.	Standard retainer cleaner.	Brush daily, after use, with a soft toothbrush and toothpaste. Soak daily in Polident solution (partial retainer 3 minutes or 5 minutes).
Published, peer-reviewed validation articles		No	Yes (contact manufacturer for citations)	Yes (contact manufacturer for citations)	Yes (contact manufacturer for citations)	No