

Dentsply Midwest revolutionizes handpiece technology with the Midwest Stylus ATC

A new, high-speed, air-driven handpiece is promising an entirely new cutting experience for dentists, one that is so smooth, powerful and efficient, it doesn't feel like work anymore.

The Dentsply Midwest[®] Stylus[™] ATC is the world's first air-driven handpiece to automatically adjust speed in response to load, offering superior performance and precision.

The Midwest Stylus ATC introduces the dental world to Speed-Sensing Intelligence (SSI) and Superior Turbine Suspension (STS), groundbreaking technologies that solve two long-standing challenges facing dentists: load-based variations in speed that can cause stalling and require time-consuming feathering, and bur deflection and chattering that occur at high speeds and can affect accuracy and precision.

It's the speed

The Midwest Stylus ATC's Speed Sensing Intelligence automatically optimizes the delivery of power, no matter the load, to provide smooth, consistent cutting speeds for unmatched efficiency and the fastest removal of material.

A sensor in the coupler picks up the frequency of vibrations caused by the speed of the rotating bur. When the bur encounters a higher load that would normally cause a decrease in speed, a signal from an advanced "electronic brain" in the control source increases air pressure and thereby the rotation of the turbine, thus increasing speed. The opposite occurs when the bur encounters a lighter load.

In other words, in a split second, the handpiece knows when to deliver more power or when to reduce power.

It's the suspension

The ATC's Superior Turbine Suspension allows the handpiece to operate at speeds of 530,000 rpm under load with no noticeable bur deflection or chattering. This provides outstanding control, every time.

The STS also creates a greater, more consistent transference of power from the handpiece to the bur for the absolute maximum in cutting efficiency. No other handpiece on the market today allows dentists to create this degree of precision.

In fact, this smooth, precise control is especially beneficial for margin refinement and fine restorative procedures.

"This is the greatest breakthrough in high-speed, air-driven handpieces since their introduction by Midwest in the 1950s," said Len Litkowski, DDS, and director of professional relations and clinical research for Dentsply Professional.

"Bringing electronic control to the dental handpiece to provide a constant speed, even under load, will make the dentist's experience more efficient, effective and stress-free," he said. Controlled power in a small package

In addition to Speed-Sensing Intelligence and Superior Turbine Suspension, the Midwest Stylus ATC offers these advantages:

- Exceptional visibility, access and maneuverability with mini or mid-sized head.
- Outstanding swivel for freedom of movement.
- Enhanced access to posterior surfaces with standard- and short-shank bur compatibility.

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(Photos/Dentsply)

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Plak Smacker: new ultrafine toothbrush

CDA BOOTH NO. 156



(Photo/Plak Smacker)

Plak Smacker announces the release of its new adult brush, the Ultrafine Toothbrush.

Perfect for patients with receding gum lines and sensitive surfaces, the Ultrafine's tapered extra-soft bristles provide up to three months of gentle brushing without compromising plaque removal.

The rubber grip handle offers comfortable support and reduces slippage during use.

Available in four colors, the Ultrafine Toothbrush is sure to be a favorite among patients.

For more than 20 years, Plak Smacker has been focused on introducing new, innovative products to help patients feel good about a trip to the dental office.

For more information or to place an order, please call (800) 558-6684 or visit www.plaksmacker.com. [DT](#)

Picasso Lite makes soft-tissue laser treatment accessible

By Fred Michmershuizen, Online Editor

For those dentists who have wanted to offer laser treatment to their patients but have held back because of the expense of the equipment, now there is an answer.

The Picasso Lite is a soft tissue dental laser featuring an ultra-compact, lightweight design. It is manufactured by AMD LASERS, a company based in Indianapolis that was founded by Alan Miller. (AMD stands for Alan Miller Designs.)

"AMD LASERS is committed to our role as the leader in advancing the use of laser technology in the dental operatory," said Miller, who is CEO of the company.

Intended to replace the archaic use of scalpels and electro-surge in the treatment of soft tissue, the Picasso Lite features 2.5 watts of power, an adjustable aiming beam and three customizable presets. Perhaps the best thing about the Picasso Lite is its affordable price.

"Not only do we have the best price, we also have the best warranty," said Scott Mahnken, director of sales and marketing at AMD LASERS. "Quality is very important to us."

Picasso Lite cuts and coagulates tissue with reduced trauma, bleeding and necrosis of tissue and is used for soft-tissue surgery, including troughing, gingivectomies, frenectomies, exposing implants/teeth/ortho brackets and treating aphthous ulcers and herpetic lesions.

New from AMD LASERS are disposable tips that can be used instead of the fiber optic cable, making procedures even more convenient.

"We are very excited about the latest product announcement," Miller said.

"Dentists wanted an option of using convenient disposable tips or the cost effectiveness of a strippable fiber. We delivered. This marks just another breakthrough in technology by AMD LASERS."

"We are committed to our one vision, one goal — a laser in every office and every operatory," Miller

CDA BOOTH NO. 2536



(Photo/AMD LASERS)

said. "The research and development we continue to invest in our current and future products only solidifies AMD LASERS as the No. 1 company in the world."

Bart Waclawik, chief operating officer of the company, said the tips were designed to meet the needs of all soft-tissue dental procedures. "The new disposable tips are available in various angles, lengths and sizes to meet our clients' needs," he said.

The Picasso Lite comes with a setup DVD, online laser certification, accessories and an international adapter.

Personalized, one-on-one training is also available to dentists who purchase the Picasso Lite.

A number of respected opinion leaders are singing the praises of the Picasso Lite.

"Picasso is very easy to incorporate into every practice, easy to use, and extends the practice's range of services," said George Freedman, DDS, and international lecturer and author.

"I think every dentist should have a diode laser," said Ross Nash, DDS, of the Nash Institute. "AMD has made it affordable for all. Picasso is even more impressive for its remarkably low price."

"The Picasso is small enough yet powerful enough for every application that a diode can perform," said Ron Kaminer, DDS, an international lecturer.

More information about the Picasso Lite is available from AMD LASERS, (866) 999-2635, www.amdlasers.com. [DT](#)

Icon debuts in Reader's Digest

News about this treatment for dental caries and white spot lesions to reach a global readership of more than 16 million in May 2010

Reader's Digest, known as "the world's best-read magazine," featured Icon®, the caries infiltrant system by DMG America, in the Next Big Things section of its May 2010 issue.

Reader's Digest publishes 50 editions and is the world's largest paid-circulation magazine.

"It's truly an honor to be featured in such an incredibly reputable and well read publication," says Tim Haberstumpf, DMG Director of Marketing.

"First we were on The Doctors, then Fox News, and then featured in Popular Science. More and more people are hearing about how dental professionals using the Icon system can, in many cases, potentially help them avoid drilling and anesthesia to arrest early dental caries. It's exciting to say the least."

Introduced by DMG America in September 2009, Icon uses micro-invasive technology to fill and reinforce demineralized enamel without drilling, anesthesia, or sacrificing healthy tooth structure.

Icon, which stands for Infiltration Concept, is a true breakthrough in restorative dentistry indicated for the treatment of white spot lesions and incipient decay that has progressed up to the first third of dentin.

Icon enables dentists to treat incipient lesions upon discovery, effectively removing white spots and arresting the progression of early carious lesions. It works by capillary action and is light cured to harden the resin after placement.

Previously, it was necessary for dental professionals to "wait and watch" early caries until they were big enough to justify drilling and filling, and they had only more invasive options for treating discoloration such as white spot lesions that could not be eliminated by tooth whitening.

"Icon is the first micro-invasive dental product that can be used in

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- All-day ergonomic comfort; significantly lighter than electric handpieces.
- Brilliant fiber-optic light for superior illumination.
- Low pitch and tone for a more relaxed patient and dentist.

The Midwest Stylus ATC is the most powerful, yet precise, high-speed, air-driven handpiece available in the world today.

To schedule a free in-office demonstration, call (800) 989-8825. [DT](#)