Emdin International Corporation is celebrating its 25th anniversary of providing premium quality dental laboratory products. The company manufactures dental casting investments, plaster, alginate impression material and an assortment of other products including die lubricant, gypsum hardener and debubblizer for dentists and dental laboratories.

As an added convenience to its customers, the company now also provides premium non-precious alloys, waxes, aluminum oxide and other products to meet the needs of laboratories.

Emdin specializes in developing and manufacturing investments to maintain the high standards of the industry. For the past 25 years, Emdin has been providing Starvest, its premier micro-fine phosphate-bonded universal investment for all alloys and pressable ceramics, to the dental laboratory industry.

Since its introduction in 1986, millions of castings have been made in Starvest by thousands of dental laboratories and jewelers in more than 20 countries and, according to the company, it remains a very popular crown and bridge casting investment in the United States.

Laboratories appreciate the versatility of the material as it can be used for both standard and rapid burnout, overnight and repeated burnout, ring or ringless technique, for precious and non-precious alloys, as well as pressable ceramics and implants.

Starvest is known for having the smallest particle size on the market, smooth and bubble-free castings, an easy-to-mix and creamy consistency, excellent working and setting time, ultra smooth castings, superb batch-to-batch consistency, reduced finishing time and materials and far less rework.

To learn more about Starvest and other Emdin products, please visit the website at www.emdin.com or e-mail info@emdin.com.
Flexible partials were first developed in the early 1950s. Arpad Nagy of New York commercialized the first nylon-based flexible partial denture system, called Valplast, in 1953.

At the time, academics felt that a partial denture must be rigid in order to distribute masticatory forces to the remaining dentition. As a result, the usage of flexible plastic partial dentures was limited.

Another New York-based company introduced a product in the early 1960s called Flexite. It was similar to Valplast, but offered several varieties of materials.

As the “Hollywood Smile” became a quest for dental patients in the 1970s and ’80s, dentists were forced to look for prosthetic solutions that were both esthetic and functional.

Flexible partial dentures were becoming an accepted treatment plan for some patients who demanded high esthetics and had healthy remaining dentition.

In 1999, DENTSPLY International introduced FRS, a flexible partial system based on the “Success” injection system. One objective of this system was to address a common complaint among dental professionals using flexible partial denture materials: adjustments/polishing.

Valplast has a relatively low melting temperature, so when a clinician adjusts the material chairside, the heat of a bur causes the material to melt and form small balls on the surface. These surface defects are difficult to remove, leaving users frustrated.

The FRS material has a higher melting temperature, thus this problem was reduced. However, the higher melting temperature of FRS results in more potential for fracture as compared to Valplast.

While an acrylic complete denture is easily repaired with methylmethacrylate, with a nylon-based flexible partial it is very difficult, if not impossible, to make a permanent repair.

The growth of flexible partials is now in full swing.

The newest material on the market, introduced in 2008, is called FlexStar, from Nobilium in Albany, N.Y. This material uses advancements in plastics technology that result in slightly higher melting temperatures as compared to Valplast.

These features result in a material that is easier to adjust and polish chairside. In addition, it retains flexibility in the mouth and is virtually unbreakable. There is a limit to the clinical indication for a flexible partial denture. Some patients with severe periodontic problems are not good candidates.

However, as long as “Hollywood” is producing smiles, there will be a demand for esthetic and functional removable appliances.
Aurident Incorporated was founded by Howard and Fredelle Hoffman in 1974 with one basic philosophy — to manufacture dental alloys that provide crown and bridge laboratories and dentists nationwide with excellent quality and service, and competitive prices. In the past 35 years, Aurident has grown extensively worldwide, and has developed a wide range of PFM and casting alloys.

“We’re committed to superior customer service and satisfaction,” said Leonard Hoffman, general manager of Aurident. “Our goal is to become a primary source for alloys and dental materials in the years ahead. Dental laboratories reliant on fast service, quality and competitive prices continue to benefit from purchasing Aurident alloys.”

Recently, Aurident reinstated its rewards program, which provides points for each alloy purchase. Points can be redeemed for free silver or gold coins.

Aurident is based in Fullerton Calif. Local dental laboratories enjoy same-day delivery as alloy orders are placed, or they may them pick up anytime during business hours for same-day convenience.

For more information on Aurident, call (800) 422-7375 or visit www.aurident.com.

(Source: Aurident Incorporated)

Aurident’s Auritex-40 reduces costs on a high noble PFM alloy

Auritex-40 from Aurident is an affordable white high noble alloy for PFM applications.

Containing 40 percent gold, 40 percent palladium and 10 percent silver, Auritex-40 is designed to help laboratories reduce costs for a white high noble alloy.

Compatible with a wide range of porcelains, Auritex-40 is easy to use and work with. The alloy is ideal for high-stress applications such as longspan bridges and as single units. Earn six Aurident Rewards Points for each ounce of Auritex-40 ordered.

For more details on Auritex-40 or to place an order, call Aurident at (800) 422-7375 or visit www.aurident.com.

Aurident’s GH gold casting alloy lowers costs

Aurident’s GH is a high noble, fine-grain, type III crown and bridge gold alloy containing 52 percent gold, 0.1 percent platinum, 8 percent palladium and 21.5 percent silver.

Excellent castings with a rich gold color can be produced at a lower cost than higher gold content alloys, without compromising quality.

Outstanding mechanical properties make GH suitable for single units and bridges. GH is easy to cast and work with, resistant to tarnishing and can be efficiently used by either high- or low-production laboratories.

You also earn six Aurident Rewards Points for each ounce of GH alloy ordered.

For more information on GH or to place an order, call (800) 422-7375 or visit www.aurident.com.

(Source: Aurident Incorporated)