



**Zimmer Biomet Dental Celebrates 20 Years since the Screw-Vent Implant System was acquired from Dr. Niznick's Core-Vent/Paragon Implant Company.**

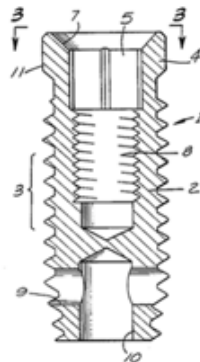
**[Video highlighting the Tapered Screw-Vent's Features and Clinical Results.](#)**

**Internal Conical Connection**  
Patent # 4,960,381

**"Cornerstone of Modern Implant Design"**

*Gerald Niznick DMD, MSD*  
Inventor

**Originally Filed: January 8, 1987**  
**Patent Issued: October 1990**



**1986 Screw-Vent Implant:** Dr. Niznick introduced the Screw-Vent® dental implant in grade 1 commercially pure titanium. The Screw-Vent incorporated the same thread design and diameter (3.75 mm) as the Branemark implant, but featured a 1.5 mm-deep internal hexagon with a threaded shaft below it. This patented connection provides the stability needed between the implant and the abutment to prevent screw loosening and thus minimizes long-term prosthetic complications. It also allows screw-retained, two-piece abutments to interlock with the internal hexagon to prevent rotation, which made single tooth replacement a viable option in implant restorations. At the top of the internal hexagon, a lead-in bevel helps stabilize the abutment against lateral forces and reduces the chance of tissue being trapped in the joint, which could result in incomplete seating.

**SCREW-VENT™**

**1986**

**The Generation II Fixture™**

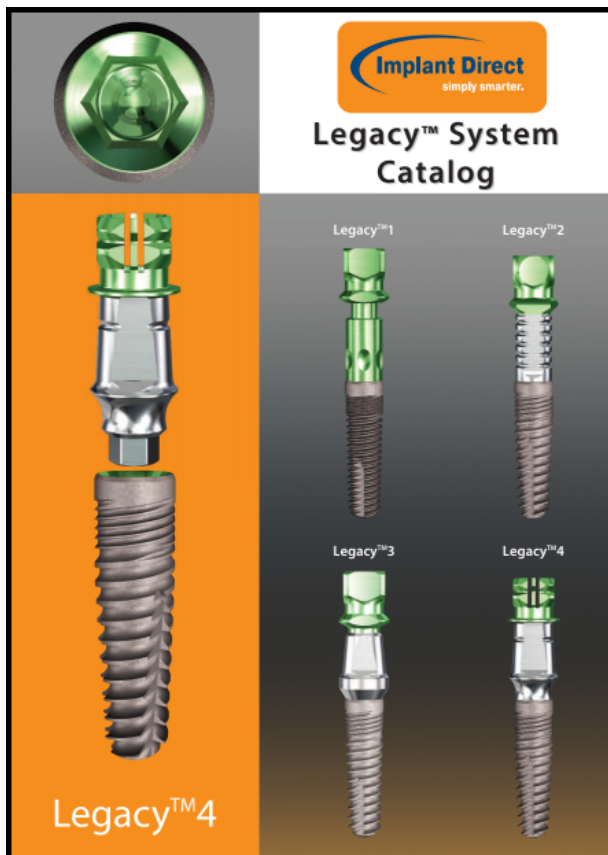
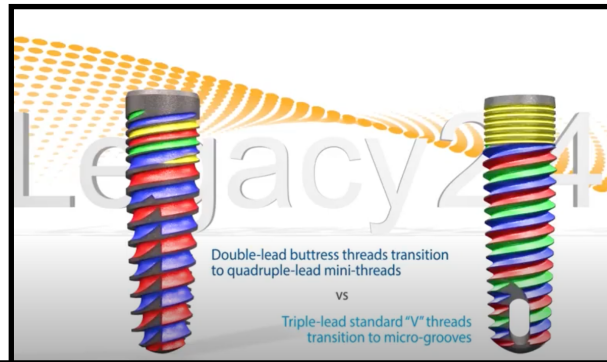
**AdVENT™ and SCREW-VENT®**  
IMPLANT SYSTEMS

**1999**



**Dr. Niznick Responds to Zimmer Biomet's Posting of the Screw-Vent Video:**  
*I am celebrating the 22 year anniversary of the Tapered Screw-Vent (1999) and the 34 year anniversary of the straight Screw-Vent (1986) with the patented Internal Conical Connection.*

In my last year as president of Implant Direct, I created a ["Reality Check" video](#) comparing the Features and Benefits of the Third Generation Screw-Vent, called the Legacy Implant, to Zimmer Biomet's Tapered Screw-Vent "TSV" Implants.



## A Pioneer in the Implant Industry

Dr. Gerald Niznick, the founder and president of Core-Vent and Paragon Implant companies, has been a driving force in the dental implant industry since 1982, receiving 33 US Patents on his implant System designs. Included is the internal conical connection that is considered by many as the cornerstone of modern implant design. His Tapered Screw-Vent system remains the foundation of Zimmer Biomet's dental implant sales. In 2004 Dr. Niznick founded Implant Direct. In 2007, after the Screw-Vent patent expired, Implant Direct launched its flagship Legacy Implant System, an updated version of the Tapered Screw-Vent. Dr. Niznick sold his interest in Implant Direct in January 2014 and today it operates as a division of NobelBiocare.

