NOMAD Pro 2: Holds charge longer, is more durable and reliable

For almost a decade, Aribex has been quietly ripping the X-ray system off the wall and putting it into the hands of the dental team. Aribex manufactures a handheld, completely mobile X-ray system called the NOMAD. According to the company, one NOMAD does the work of multiple, wall-mounted X-ray systems, which can save the typical dental practice thousands of dollars in equipment costs. Moreover, because the NOMAD enables dental team members to safely and effectively stay with their patients during X-ray procedures, a bitewing series can be completed in half the time required by a wall-mounted system.

Unlike conventional wall-mount and portable X-ray systems, the NOMAD is lightweight, rechargeable (battery-powered) and can go anywhere. Dental professionals around the world have been choosing the NOMAD as their preferred X-ray device, in and out of the office, with almost 13,000 NOMADs now in use. Building upon the successes of previous innovation and design, Aribex recently introduced the NOMAD Pro 2, providing the same mobile convenience and cost savings as previous models while increasing durability and performance. “The Pro 2 is exactly what our customers want,” said Ken Kaufman, general manager of Aribex. “We asked our customers how we could improve our marquee product. We listened, designed prototypes, asked for feedback and iterated until we met their requests. The end result of all of that hard work is the Pro 2. It’s simply the world’s best handheld X-ray system yet.”

The newly designed battery handset, with infrared connectors, together with a new charging cradle, improves the system’s durability and boosts battery performance. “One consistent comment we heard from our customers focused on the charging station,” said Kaufman. “Our engineers spent hours working with customers, researching new solutions. Our final design is a big improvement, and our customers will agree.”

Durability also is enhanced by a reengineered user interface that is more scratch and moisture resistant. “The оперативная среда can be hard on equipment, particularly with our products that are easily carried from оператор to оператор,” said Kaufman. “The NOMAD Pro 2 will stand up to repetitive antiseptic and cross-contamination control.”

Use your old NOMAD Dental to save on (or win) a new NOMAD Pro 2
If you have an old, 8.5-pound, working NOMAD Dental, and the improved, sleeker, 5.5-pound NOMAD Pro 2 sounds appealing, visit www.aribex.com/trade-in to learn how you can get a $1,400 rebate when you trade in for a NOMAD Pro 2. Trade in the oldest working NOMAD out there, and you’ll be in the running to win a free NOMAD Pro 2.
Utilizing a digital workflow for provisionalization with BioTempS

By Tarun Agarwal, DDS, PA

Today’s digital impression technology enables dentists to create a virtual, computer-generated replica of the hard and soft tissues in the mouth quickly and accurately using their choice of optical scanning device. As an ardent supporter of digital impressions, I make every attempt to digitize our restorative workflow. There are numerous benefits to a digital impression:

• Efficiency: It takes less time to take a digital impression than a traditional impression.
• Quicker turnaround time: Clinicians often forget or fail to realize the true value of this. Getting restorations back faster is better for the patient, the practice and the overall case outcome.
• Cost savings: Have you ever calculated the cost of taking a traditional impression for a final restoration? If you add up what your office spends on impression materials, chair time and case shipping fees, you will be amazed at how much is spent on traditional methods.

Case presentation

The female featured in this article has been a patient in our practice for nearly eight years. She has a porcelain-fused-to-metal bridge from tooth #5 to #12 replacing missing #7 to #10. She is not terribly unhappy with the look and feel of the bridge, but the bridge has been no stranger to the big issue facing PFM restorations: the chipping of porcelain from the metal substructure. During the past eight years, we have patched various corners and lingual surfaces.

Recently, the patient agreed to replace her long-span PFM bridge with an implant-supported bridge on #7 to #10 and individual crowns on the abutment teeth. However, she was adamant about not going a day without teeth. We advised her that this would not be an issue.

Because of the complexity of her implant surgery, immediate loading was not possible. This meant we needed a long-term esthetic provisional that would last the duration of the treatment, could be removed for surgery and was adjustable for post-surgical contouring. A BioTempS® provisional bridge (Glidewell Laboratories; Newport Beach, Calif.) was the quick and easy answer.

Traditionally, BioTempS are made prior to preparation and relined chairside. In this case, I wanted to have the BioTempS made to fit the final preparations of the abutment teeth, which would later be converted to individual restorations. As an advocate of digital impressions, I chose to follow a digital workflow.

The provisional BioTempS bridge offers the following important advantages in this case:

1) Trial smile: The patient gets a “trial” of
Porter Instrument releases new nitrous oxide systems

Porter Instrument has released two new nitrous oxide systems.

**Porter Digital MDM**

Porter Digital MDM is the company’s newest cabinet-mount nitrous oxide flowmeter system. According to the company, it has the smallest footprint in the industry, with remote control panel dimensions that are less than 8 inches long by 3 inches high — important because contemporary cabinet designs in offices today place a premium on space. According to Porter, the Porter Digital MDM makes it easy to design-in or add nitrous oxide into any dental office.

The extremely small footprint and remote faceplate enable the convenience and flexibility of multiple installation options. The faceplate can easily fit into convenient locations in cabinets, under counters, on counter tops, and in walls (its dimensions are 7.875 inches long by 3.75 inches high by 1.25 inches deep).

The Porter D-MDM digital control system delivers the precise percentage and volume mix of nitrous oxide and oxygen with the touch of a finger.

**Porter Sentry Sedate**

Sentry Sedate is the company’s newest portable nitrous oxide sedation system. According to the company, the Sentry Sedate packages Porter quality and its precision flowmeters into a sleek, contemporary system to provide an upscale, reliable mobile nitrous oxide sedation option for dental offices.

The top working surface allows for improved utilization of floor space in the operatory. Dual locking doors provide security and hide the often-unsightly gas cylinders supplied by the gas company.

Flowmeter options include the Porter MXR-1 analog or Porter MXR-D analog/digital hybrid systems. Features include: top working surface, dual locking doors for security and simplicity of cylinder placement, dual handles for easy movement, bag tee quick disconnect, storage bag and options for automatic vacuum switch or in-line vacuum.

Visit Porter at CDA Booth No. 1240

Learn more by contacting your authorized Porter dealer or Porter sales representative, or visit www.porterinstrument.com/dental, or contact Porter customer service at (215) 723-4000.

(Source: Porter Instrument)

**Fig. 3:** A digital impression is taken using the CEREC Omnicam (Sirona Dental Systems Inc., Charlotte, N.C.). This occlusal view illustrates how precisely the Omnicam captures a full-color digital impression.

**Fig. 4:** Labial view of the abutment tooth preparations captured with the CEREC Omnicam. An added benefit of digital impressions is that changes don’t require an entire new impression — only a new digital capture of the changed area.

**Fig. 5:** The BioTemp bridge at delivery, seated with provisional cement.

**About the author**

**DR. TARUN AGARWAL** has a full-time private practice emphasizing esthetic, restorative and implant dentistry in Raleigh, N.C. You can contact him via e-mail at sherrildentalarts.com or visit www.sherrildentalarts.com

---

**INDUSTRY NEWS**

---

**BIOTEMPS, page A8**

The new contours. Any modifications to length or contour can be made chairside, avoiding costly remakes and unhappy patients.

2) **Long-term durability:** This case’s complexity requires treatment taking more than 12 months. An acrylic provisional fabricated chairside won’t hold up this long.

3) **Removability:** For implant surgery, the specialist will need the ability to remove and re-cement the provisional with relative ease.

4) **Adjustability:** The necks of teeth #7 to #8 will need to be adjusted after surgery to remove any pressure to the surgical sites. BioTemp’s are easily adjusted.

5) **Surgical assistance:** The contours and esthetics of the BioTemp’s will serve as a “guide” to the surgeon for grafting and placement of the implants.

As this case illustrates, digital impressions are not just limited to final restorations, and certainly not just to single units. It’s time for you to take a closer look at digital restorative technologies and see how they can benefit your practice and your patients.
By Flow Dental Staff

Flow Dental, long a leading manufacturer of dental film and film accessories, has transformed its product portfolio to also include unique products essential to every dental practice that has gone digital.

“We determined that our relevancy in a digital world would hinge on our ability to provide dentists with accessories that improve sensor or PSP [phosphor storage plate] usage and augment procedure workflow. No pun intended,” said Bill Winters, president of Flow Dental. “Dentists have really responded to our digital products. They recognize the added value we put into each product. They don’t buy our products based on price; they buy based on the benefits to their practice and their patients.”

In today’s PSP market, for example, one in eight phosphor plate users relies on Flow’s Safe’n’Sure line of PSP envelopes. Safe’n’Sure’s three product styles offer time-saving solutions to enhance throughput and productivity, while helping to extend the life and usage of the phosphor plates. A great example of this is Flow’s Safe’n’Sure OPT style (Fig. 1). These PSP covers are designed for plates that include magnets, which account for about 25 percent of the market. Unlike any other product, Flow pre-loads the cardboard insert halfway into the PSP envelope. Not only does this remove a time-consuming step, but it also assures that the plate can never be loaded incorrectly (because the magnet on the plate must line up with the cut-out on the cardboard insert). To enhance removal of the plate, the OPT has a unique butterfly seam that enables the user to easily remove the plate by simply touching it — thus prolonging and preserving longevity of the plates.

Flow’s Deluxe Safe’n’Sure line was recently featured in a review by Clinical Research Associates. More than 75 percent of dentists who reviewed Flow’s Deluxe Safe’n’Sure would recommend it to their peers.

In the sensor area, Flow distinguishes itself with its new Snuggies, an adjustable sensor sleeve. Snuggies enables the user to cinch-tight the sleeve around the sensor, regardless of sensor size or thickness. This means the operator no longer must twist the sleeve around the sensor cable to keep it in place. These type of details help office productivity and reduce expensive sensor repairs or replacements.

Other sensor accessories include the Sensible’s adjustable sensor positioner (Figs 2a,b), which enables the user to move from an anterior to a posterior — even to a bitewing — position all with the same bite block. The bite block can be adjusted to the midline of any sensor, whether horizontally or vertically placed.

Flow Dental is far from finished reinventing itself. Its newest product is the Exposure line of articulating strips (Fig. 3). “As a leader in diagnostic products, we felt extending our line into this area made sense. Plus we built the machinery to make it right here in the USA,” Winters said. Exposure articulating strips eliminate the need for forceps. They come with their own handles. “They’re easy to use and long enough to reach the back molars,” Winters said. “Dentists will appreciate the added convenience of not having to search for forceps or get the ink all over their gloves.”

Flow recently celebrated 40 years in business. Its sister company, Wolf X-Ray, is celebrating more than 80 years in medical imaging. “As a family-owned business — much like the majority of dental offices we service — we are proud to be a valued provider of unique and elegant products, and the best is yet to come,” Winters said.

For more information on Flow’s products, visit www.flowdental.com or contact your local dealer.
As a patient, I expect the best care I can find. As a doctor, I want to deliver the best care possible. That takes us to the power of continuing education, and as doctors we are faced with many choices in continuing education.

As a way to introduce you to the Las Vegas Institute for Advanced Dental Studies, or LVI, I want to outline what LVI is about and what void it fills in your practice. The alumni who have completed programs at LVI were given an independent survey, and unlike the typical surveys, 99.7 percent said they love practicing dentistry, and of those surveyed, 92 percent said they enjoy their profession more since they started their training at LVI. That alone is reason enough to go to LVI and find out more.

While the programs at LVI cover the breadth of dentistry, the most powerful and life-changing program is generally reported as Core I, “Advanced Functional Dentistry: The Power of Physiologic-Based Occlusion.”

**Take control of your practice**

This program is a three-day course that is designed for doctors and their teams to learn together about the power of getting their patients’ physiology on their side. In this program, doctors can learn how to start the process of taking control of their practice and start to enjoy the full benefits of owning their practice and providing high-quality dentistry.

Whether he or she works in a solo practice or in a group setting, every doctor can start the process of creating comprehensive care experiences for his or her patients.

We will discuss why some cases that doctors are asked by their patients to do are actually dangerous cases to restore cosmetically. We will discover the developmental science behind how unattractive smiles evolve and what cases may need the help of auxiliary health care professionals to get the patient feeling better.

The impact of musculoskeletal signs and symptoms will be explored and how the supporting soft tissue is the most important diagnostic tool you have — not simply the gingiva, but the entire soft-tissue support of the structures not just in the mouth but also in the rest of the body.

**Comprehensive care**

A successful restorative practice doesn’t need to be built on insurance reimbursement schedules. An independent business should stand not on the whims and distractions of a fee schedule but rather on the ideal benefits of comprehensive care balanced by the patients’ needs and desires. Dentistry is a challenging and thankless business, but it doesn’t have to be. Through complete and comprehensive diagnosis, there is an amazing world of thank-yous and hugs and tears that our patients bring to us, but only when we can change their lives. The Core I program at LVI is the first step on that journey. That’s why when you call, we will answer the phone, “LVI, where lives are changing daily!”