



**GLOBAL NEWSLETTER**

**Hu-Friedy®**

**FIRST BECAUSE WE LAST.™**

## HU-FRIEDY - THE ART OF CREATION

Hu-Friedy is a company like no other because we embody a concept like no other: we know that each instrument we create is a critical extension of the practitioner's hands. Our dedication to this concept demands uncompromising quality.

Creating Hu-Friedy precision instruments requires an exacting skill, enormous expertise, concentration and patience. Each instrument is handcrafted by skilled craftsmen, who are guided by proprietary processes ensuring unmatched precision, and the highest level of performance and durability.



The process is demanding and complex. For example, the creation of just one of Hu-Friedy's market-leading pliers requires as many as 31 different operations. Only with this attention to detail can Hu-Friedy create pliers that will work with precision throughout their lifetime.

Hu-Friedy instruments undergo a rigorous inspection process, which ensures that each instrument you receive is the highest quality instrument available to the profession. When an instrument is finished, each one bears the signature elements that identify it as uniquely crafted by Hu-Friedy.

VOLUME 3

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## NiTi BENDER

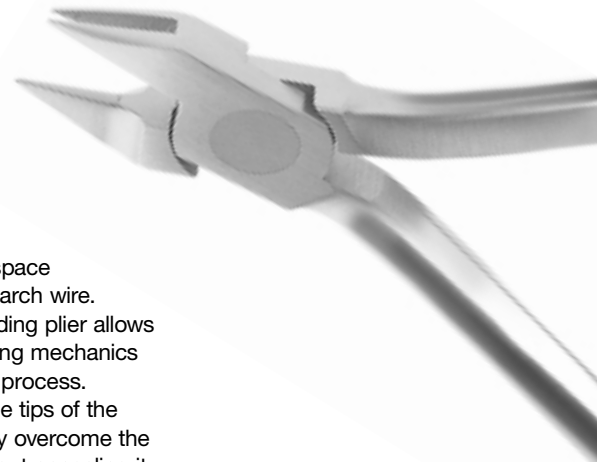
Dr. Neil Warshawsky, DDS, BS

Back in school our professors imparted their vast knowledge upon us with the expectation that we would internalize at least the basics, and then continue learning throughout our professional career.

Most orthodontic programs today utilize preprogrammed bracket and arch wire systems. An intricate portion of these systems, regardless of the technique, bracket system, etc. are based upon the concept of using a NiTi arch wire for leveling and creation of arch form and correlation. These wires are super-elastic and return to their original shape with time. Most of us were taught that these wires introduce too much friction and are too soft for sliding mechanics or space consolidation. Therefore, their initial purpose is to level teeth, identify bracket positions that are incorrect, and prep the teeth to initiate the second arch wire. In

many techniques, this is where the sliding mechanics can begin.

Due to recent instrument innovations, some "facts" we learned in school are no longer true. You can now level teeth and initiate some space closure simultaneously in a nitinol arch wire. Hu-Friedy's new 678-322 NiTi bending plier allows you to reinvent some of your existing mechanics and save some clinical time in the process. Because the tolerance between the tips of the beaks is so fine, you can physically overcome the wire's superelastic properties without annealing it. Although this conflicts with some residency lessons, it does not mean it is impossible. When placing a new nitinol arch wire for the first time, tie



NiTi bender 678-322

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# IMS IN ACTION: ORTHODONTIC PRACTICES

JACKIE DORST

Managing orthodontic instruments is a constant challenge for a busy orthodontic team. Orthodontic practices that see 50 to 120 patients a day have unique requirements due to the volume and type of instruments used. For example, some instruments designed for cutting wire have a high carbon content and carbide tips, making them especially susceptible to corrosion during the cleaning and sterilization process.

An orthodontic instrument reprocessing system should be designed for efficiency and quality assurance. The purpose is to consistently provide clean, sterile instruments in good working condition for each patient without the risk of transmitting infectious diseases. An efficient system reduces the time spent on instrument reprocessing so that clinical team members can focus their attention on providing care for patients. Additionally, patients appreciate an efficient orthodontic practice that stays on schedule.

Orthodontic instrument cassettes provide the most efficient system for cleaning and sterilizing a procedural set-up. Using cassettes eliminates the time-consuming and hazardous step of

sorting dirty, sharp instruments, and prevents damage to orthodontic pliers during processing. The IMS system efficiently and safely manages instrumentation from chair-side through cleaning and sterilization.

## Transporting

After patient treatment, remove orthodontic cement residue that cannot be removed through automated cleaning processes. Then properly arrange the instruments in the cassette and close and lock

the lid before carrying the cassette to the sterilization area.

## Cleaning

The cassette is placed directly in the ultrasonic bath. The ultrasonic cleaner removes debris and contamination from instruments better than hand scrubbing, and lessens the risk of a sharps injury. After cleaning, instruments should be rinsed with water to remove chemical or detergent residue. For added instrument protection of chrome plated pliers during autoclaving, use a surgical milk rinse after cleaning and rinsing with water. Hu-Friedy orthodontic pliers are surgical quality stainless steel so there is no need to use a surgical milk rinse after cleaning.

After instruments have been cleaned and rinsed, they should be dried and packaged for sterilization. With a cassette system, the cassettes are wrapped with autoclave wrap and tape. Pouches are also acceptable, but make sure that the cassette fits appropriately.

## Sterilizing

Instrument cassettes, pouches and other items should be arranged in the sterilizer to allow for complete penetration of the sterilizing agent. Wrapped cassettes and pouches should be allowed to dry in the sterilizer before they are removed and handled because of the potential for wicking of microorganisms. Sterile storage should be in a separate enclosed area to prevent cross contamination of the sterile packages.

It is recommend to have enough instruments to get through a full day of patients. That way, if the sterilizer breaks down, patients can still be finished while the sterilizer is repaired. Additionally, added instruments will provide for practice growth as more patients are treated.

*For additional information about the infection control and efficiency benefits the Hu-Friedy IMS system can bring to your practice, please speak with your local Hu-Friedy distributor or visit [www.hu-friedy.com](http://www.hu-friedy.com).*



**IM9143-OR**  
Double-Decker™ Small Orthodontic Cassette holds up to four pliers, a Mathieu needle holder and two hand instruments.



**IM5205**  
Double-Decker™ Large Orthodontic Cassette holds up to six pliers, a Mathieu needle holder and two hand instruments.

## PAUL'S INSTRUMENT CARE CORNER

### Dos and Don'ts of Processing Instruments.

Protect your valuable investment in hand instruments. Thoroughly dry your instruments after cleaning and rinsing. Any moisture can cause staining and corrosion.

Paul Marsik has been repairing and refurbishing instruments at Hu-Friedy for over 32 years. He is Hu-Friedy's in-house specialist for instrument care and maintenance.



## ABOUT THE AUTHOR:



### Jackie Dorst, BS, RDH

Jackie Dorst is a microbiologist, and owner of "Safe Practice," a sterilization consultancy. She lectures internationally, and writes and consults on sterilization design and infection control. Her speaking credentials include: The 3rd International Congress of Dental Technology in Yokohama, Japan, American Association of Orthodontists, OSAP Board of Directors, Organization for Safety & Asepsis Procedures, Academy of Dental Management Consultants and Academy of General Dentistry Clinician Graduate.



# HU-FRIEDY ORTHODONTIC PLIERS

## FEATURES AND BENEFITS

### SATIN STEEL® FINISH

All Hu-Friedy Orthodontic instruments are 100% solid Immunity Steel®, Hu-Friedy's proprietary blend of stainless steel and are hand finished to a satin luster. In addition to corrosion resistance, this non-glare surface is easy to clean and will always look great.

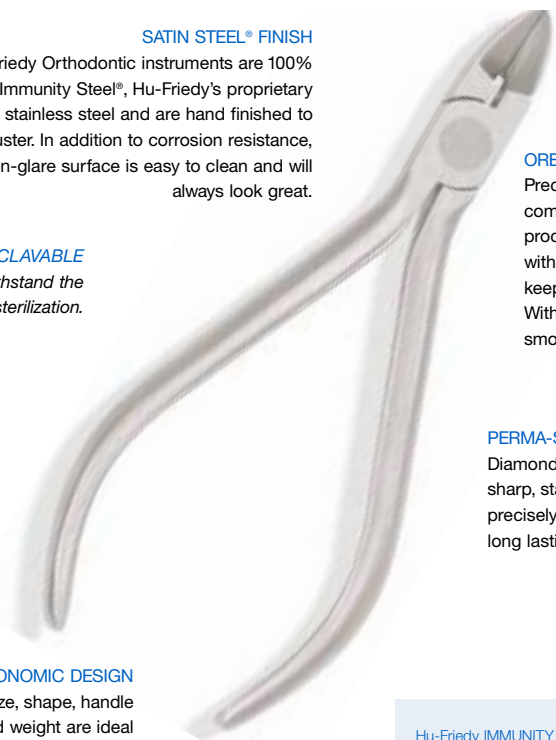
### AUTOCLAVABLE

Designed to withstand the rigors of sterilization.

### ERGONOMIC DESIGN

The size, shape, handle length, and weight are ideal for comfort and confidence.

Longer handles for larger hands are available in some instruments.



### ORBIT FORMED JOINT PROCESS

Precision machined components combined with our exclusive orbit forming process create a smooth working hinge without shims. This superior construction keeps instrument tips in proper alignment. With regular lubrication, the joints will work smoothly for years.

### PERMA-SHARP® CUTTERS

Diamond-honed cutting edges start sharp, stay sharp longer, and are precisely aligned for a highly efficient, long lasting wire cutter.

### Hu-Friedy IMMUNITY STEEL®



100% solid stainless steel. No plating. No problems with pitting or corrosion. Will last for years and always look great.

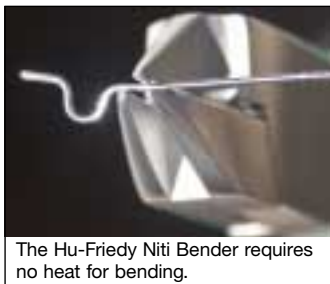
### Competitive Chrome Plated Instrument



Over time, plating deteriorates, creating opportunity for rust and corrosion to destroy the instrument.

## NITI BENDER *continued from page 1*

the wire in and cut the wire about 2mm distal to your last tube or bracket. Using the NiTi bender, place the single beak distal to the last tube or bracket, perpendicular to the plane of the wire. By crimping the wire in this manner, you will toe in the end of the wire 90 degrees, preventing any undue emergencies and increasing patient comfort. I have found that this plier is almost indispensable for this purpose! In a bicuspid extraction case, you may place a gabel bend in the area of an extraction site and initiate a slight amount of space closure via elastomeric chain on each of your buccal segments from canine to molar(s). This is a quick way to unravel crowded anterior teeth and gain a patient's confidence without a lot of effort.



The Hu-Friedy Niti Bender requires no heat for bending.

## ABOUT THE AUTHOR:



**Dr. Neil Warshawsky, DDS, BS**

Dr. Neil Warshawsky received his certificate of Orthodontics, D.D.S. and B.S. from the University of Illinois at Chicago (UIC). He is a prominent Orthodontist with several private practices in Illinois, and has had several articles published in the Journal of Dental Research. Dr. Warshawsky lectures in the U.S. and internationally regarding advanced Orthodontic practices and current technology.

## NEW FROM HU-FRIEDY ORTHODONTICS

Hu-Friedy has recently expanded the orthodontic instrument offerings in both pliers and hand instruments to better meet the needs of orthodontists around the world.



**678-111 Flush Cut and Hold Distal End Cutter**  
Distally cut and hold wire flush to the buccal tube while reducing debondings. Wires up to .020"



**678-225 Band Crimping Pliers**  
Thin tips allow for easy access into molar and bicuspid bands.



**678-904 Band Pusher/Scaler**  
Ideal for self-ligating bracket.



**678-905 Ligature Director/Scaler**



**678-906 Band Pusher/Scaler**



**678-907 Small Plugger with Picker**



**678-907S Very Small Plugger/Ligature Picker**



**678-908 Ligature Director/Band Pusher**

## Coming in September!

### 678-326 Bird Beak with Tapered Tips.

A variation on our most popular bird beak design Allows for wider variety of bends.

### 678-325 Bird Beak with Cutter

One instrument, two functions!

## AAO WIRE BENDING COMPETITION



In May, Hu-Friedy hosted its first annual wire bending contest at the American Association of Orthodontists 104th Annual Session in Orlando, Florida.

While the competition was intense, Dr. Jacqueline Wilson of Twickenham, England won Hu-Friedy's first annual contest with her incredible formation of a baby grand piano. As the First Prize winner, Dr. Wilson received \$3,000 USD in Hu-Friedy instruments.

Hu-Friedy is already planning for the 2005 contest to be held at the AAO in San Francisco, California. Many who visited the Hu-Friedy Orthodontics booth were already making plans for next year's entry.

## KOREAN PERIO PROFESSORS VISIT

This summer in Chicago, Hu-Friedy, in conjunction with Shinhung Corporation, had the privilege of hosting periodontics professors and department chairs from across Korea. The doctors enjoyed a tour of the major sites of Chicago, which included visits to local dental universities and, of course, the world famous Hu-Friedy



factory tour. One additional highlight of the trip was a private meeting with renowned periodontal researcher Dr. Tom Van Dyke, who discussed some of his recent findings.

## HU-FRIEDY LAUNCHED IN INDONESIA

Hu-Friedy has expanded its international presence to the nation of Indonesia. Our new dealer, Fondaco, is aligned with prominent dentists in the country. Fondaco has now made Hu-Friedy's entire portfolio of top quality instruments available to Indonesia's 6,000 dentists. We look forward to a long and fruitful relationship with our new friends at Fondaco as they help further spread our distribution network around the globe.



## ARGENTINIAN PROVINCIAL HEALTHCARE LEADER SELECTS IMS FOR ITS NEW CENTER

OSEP Mendoza – a leading healthcare service with more than 300,000 affiliates in a province of 1.6 million residents – inaugurated the first of three new clinics of dentistry which is open to all patients. NCO-OSEP is equipped with the best facilities and a capacity of up to 800 patients a day. Hu-Friedy is honored by the selection of our instruments and the incorporation of the IMS system in all sterilization areas.



## NEW PRODUCT

## NiTi Endodontic Spreaders

- Nickel Titanium points for extra flexibility and memory

- Use in the most difficult canals without causing permanent damage to the instrument

- Ergonomic #7 handle for maximum comfort and control
- Quick ISO size identification

- Designs and sizes for most procedures

Actual Size

