

What 's New from Hu-Friedy

Welcome to the second edition of Hu-Friedy Magazine, our compilation of the latest advancements in dental instrumentation made by Hu-Friedy for you!

Hu-Friedy is constantly working on the production of the most creative and innovative dental products to help our clinicians to perform at their best in their day by day work and to support you with better service.

As more and more clinicians and dentists are requested to perform always at their best, in the next articles you will find how to increase office safety, efficiency and production by combining Instrument processing and Infection Control into a simplified and easily implemented workflow with Hu-Friedy's Instrument Management System (IMS), how to perform today's advanced surgical techniques with the full line of Black Line Collection and the newest Super-Cut Black Scissors and more over you will have a chance to read an exclusive interview in occasion of the launch of the new innovative Biotype Probe by Dr. Rasperini and Dr. Testori.

In Hu-Friedy we have the passion for the quality and for the best performance!

Performance at our best - for us this means listening, learning, collaborating, teaching, innovating, refining and perfecting everything we do.

For us, performance is to experience and constantly innovate to enable you to give and get the best results from your daily work.

For you, performance means leveraging all your skill and education to deliver the best clinical outcomes for your patients.

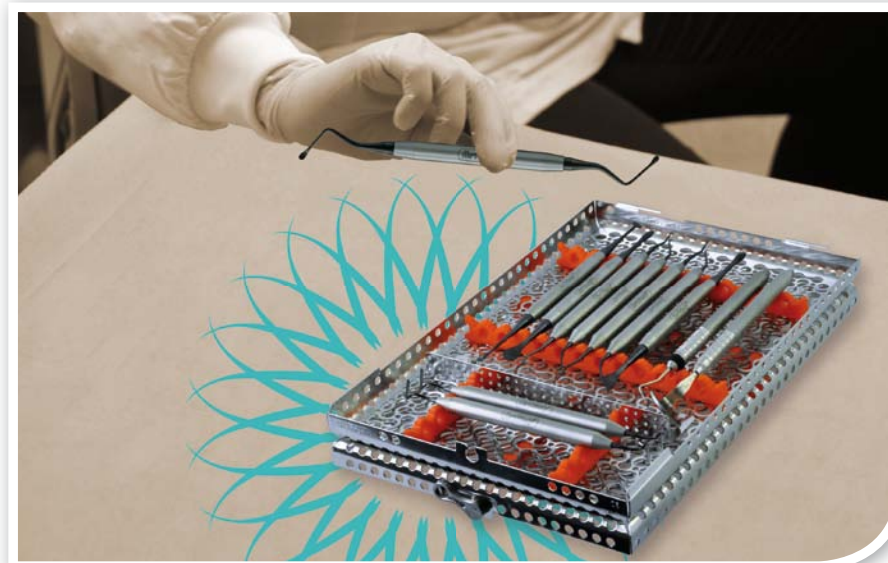
Hu-Friedy How the best perform, means a total solution: high quality, world class, full-service dental support company.

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The Infection Control and Safety Considerations behind a successful program

Hu-Friedy's Instrument Management System (IMS) increases office safety, efficiency and productivity by combining instrument processing and Infection Control into a simplified and easily implemented workflow.



Instrument cassettes have been widely used in hospitals, and most of US and European dental school uses them to train students today. In recent years, cassette usage has become popular in private dental offices, as well.

The advantages of having an Instrument Management System (IMS) with cassette usage with regard to infection control are numerous and well-known. Because sharp instruments are contained within, there is less handling of contaminated instruments during instrument reprocessing - resulting in a reduced potential for percutaneous sharps injuries to clinical personnel. However, there are other advantages of IMS system that significantly affect busy dental offices, resulting in greater productivity for the entire dental team and increased savings of both time and money.

A complete instrument setup at your fingertips

The next Generation of Hu-Friedy IMS Infinity cassettes are available in a variety of sizes, color coding and configurations

and allow for different specific procedures. For instance, a setup for a surgical procedure may be larger, allowing a greater armamentarium than for an operative procedure and a periodontal scaling and root planning arrangement may require a larger cassette than for a simple hygiene procedure.

Specialised cassettes are available for orthodontic instruments, surgical procedures and radiography. A dental office may have several types and sizes of cassettes available based on specific dental procedures or clinician preference.

Within the Hu-Friedy IMS Infinity cassettes, separate compartments may exist to hold accessories such as bur blocks, bite blocks and rubber dam clamps. Other special features are available too, such as needle recapping devices, bur holders and ultrasonic inserts. This allows a complete set of instruments for a specific procedure to be organised within a cassette.

With IMS Solution, a dental assistant needs to retrieve only one item - the cassette itself - as opposed to gathering instruments from different drawers or operatories. With a complete set

IMS Infinity Collection Kits



Surgical Implant & Sinus Lift Kit



Exam Perio Kit



Root Planing Kit

IMS Infinity Series Collection kits feature a compilation of clinicians most popular procedural set-ups.

of instruments at her fingertips, the assistant may stay with the dentist in the operatory, focusing more on patient care.

As new clinical personnel are introduced into a dental office, IMS system helps facilitate training. A new auxiliary will know that all instruments used during a procedure are to be placed back into the cassette prior to transporting to

the instrument processing area. This provides standard operating procedures and alleviates the guesswork from tray setup. In addition, it also allows for quick and efficient operatory setup.

Minimised instrument wear and tear

Hu-Friedy IMS Infinity cassettes contain instrument rails to hold instruments securely in place during cleaning and sterilisation. The innovative silicone rails system features less instruments contact (around 60% less) for more flow through while protecting the instruments from scratching and damage during reprocessing.

It is interesting to note the difference in mirror faces that have been placed into an ultrasonic in cassettes versus loose in the instrument basket. Zigzag shapes and pitting may often be seen on mirrors that have scraped against sharp dental instruments such as explorers while loose in an ultrasonic.

These defects may impair the clinician's use of indirect vision through mouth

“Implementing IMS cassettes into my center greatly increased efficiency, productivity, and staff morale. In addition it was so easy and cost effective...”

—Dr. Jean-Christophe Paris -Academie du Sourire (France)

mirrors. This ultrasonic scratching may lead to damage of all surfaces of a dental instrument as well as the dulling of instruments with sharp cutting edges. Thus, with IMS cassette usage, the longevity of dental instruments will be enhanced as the need to replace damaged instruments will be reduced.

Instrument cleaning by usage of cassettes involves a reduced manual handling of dental instruments. The infection-control implication of this is fewer occupational injuries for those involved in instrument reprocessing.

After instruments have been replaced in the IMS cassette, there is no need to

IMS Infinity Cassettes: Points of Performance

Sophisticated and revolutionary new hole pattern design: with 1/3 more open area allows for improved cleaning and sterilisation. Designed for use in thermodisinfector.

High quality, electropolished stainless steel provides a protective sheet against corrosion and a professional appearance.

Smooth Round Corners and Slotted Edges: increase drainage and reduce drying time.

New ergonomic latch with positive locking mechanism

Innovative silicone rail system: less instrument contact for more flow through while protecting the instruments through reprocessing.

SAFETY

EFFICIENCY

TIME

MONEY

“Instruments are securely held in place to prevent sharps injuries and instrument damage. I recommend the use of New IMS Infinity cassettes to save time, increase efficiency, protect instruments from damage and reduce handling of contaminated instruments by my staff. IMS Solution creates a well organised system for transporting, cleaning, sterilising and storing instruments.”

—Dr. Carlo Ghezzi
Milan-meg-educational.com (Italy)



The IMS Wrap is engineered to withstand the harsh conditions of sterilisation. The unique compilation of textiles is designed to be strong and soft for easy wrapping and durability. Another option are Sterilisation Containers.

touch them again until they are ready for use. A cassette may be pre-cleaned by use of a product like Hu-Friedy Enzymax Spray Gel. This pre-cleaner may be applied to the working tips of the instruments to prevent the drying of blood, saliva and dental materials on instruments.

IMS: a “no touch” system for a successful safety program

Another option for pre-cleaning includes soaking the entire cassette in an appropriate disinfectant, detergent or enzymatic cleaner. The use of automated cleaning equipment, such as an ultrasonic cleaner or thermodisinfector, is safer and more efficient than manual cleaning.

Finally, as instruments are packaged and stored, they stay enclosed, with sharp tips protected. Thus a dental practice can utilise a “no-touch” system throughout the entire reprocessing system.

Less searching for missing instruments

Immediately after use, the instruments are placed directly back into the cassette, maintaining a complete instrument setup. Once the cassette is securely locked, instruments cannot be misplaced or separated from the setup. This drastically reduces the search time for a favorite or missing instrument. The clinical team will be allotted more time with patients – helping to generate revenue instead of being stuck in the sterilisation room organising instruments or in other operatories searching for missing items.

New Hu-Friedy IMS Infinity cassettes have a revolutionary hole pattern design that creates 30% additional open area for more access during cleaning and sterilisation, and is compatible with current cleaning equipment, including automated washers. Due to these perforations, cassettes must be packaged in order to protect instruments from contamination and

maintain sterilisation during storage. Packaging materials must be FDA or CE-approved and compatible with the sterilisation process. Hu-Friedy has different solutions for packaging: wraps, pouches and containers are acceptable products to package cassettes, and the choice is a personal preference.

Pouches with a clear plastic covering allow clinicians to visualise the instruments within; however, solid wrappings do not. Wrap sheets, which are available in a variety of sizes, may be labeled with markers, pre-printed procedure sterilisation tape or colored sterilisation tape to distinguish various procedures or clinicians for which or whom the cassette was prepared (Hu-Friedy IMS monitor tapes). For example, composite and amalgam setups may occupy similar cassettes, but they may be differentiated by pre-marked colored tape enclosing the wrap. And although hygiene setups occupy identical cassettes, a certain hygienist may have a preference for a specific scaling instrument – thus her cassettes may be labeled accordingly.

A place for everything, and everything in its place

Cassettes are much more convenient to store and retrieve than instrument pouches, given that they stack easily, and are easily identified and quickly retrieved due to their size and markings.

Instruments in pouches are typically stored in drawers – which are likely to be piled upon each other. Clinicians will often “rummage through drawers” to locate the correct pouch. This is a very inefficient and time-consuming process and may also be a safety problem. While rooting through instrument pouches, the chance of pouch perforation due to instrument poke-through is very likely to occur. When this happens, instruments must be recleaned, repackaged and resterilised – adding unnecessary time, tasks and burden to clinical personnel.

Conversely, instrument cassettes are typically stored on shelves and are neatly organised. In conclusion, the advantages of Hu-Friedy IMS Solution are not limited to infection-control issues. Increased efficiency, standardisation of operating processes and procedures and improved organisation all contribute to an environment characterised by safety, efficiency and productivity. These improvements lead to savings in cost and time, as well as an increase in staff and patient satisfaction. ■

“When my practice converted to IMS Solution, we found that the initial start-up cost was quickly offset by the benefits of the system, especially when it comes to efficiency and productivity.”

—DR. Koray Feran
BDS MSC FDSRCS, London (UK)

Are You Ready to Be More Productive, Effective and Safe?

Every dental office – from small to large, from dental clinics to hospitals – can benefit from the IMS system. In particular, as regulatory standards around the world continue to evolve, the need for offices to employ state-of-the-art infection control protocols is more critical than ever. Hu-Friedy is able to provide you the IMS Total Hygiene Solution: it helps your practice to meet stringent infection control standards with:

1. **Maximum infection control:** Innovative IMS Infinity Series Cassettes designed for enhanced safety and maximized efficiency in the dental office
2. **Advanced-formula cleaning and care products:** Enzymax Spray Gel for precleaning; Enzymax Earth for ultrasonic or presoak
3. **Maintenance & Care of Instruments:** Instrument Lubricants ILS and Shine reNEW, to keep your instruments as new and efficient
4. **Innovative Surface Disinfectants:** SporeClear formula is effective against spore, virus, fungi and bacteria within 1 minute
5. **Superior personal protection:** Special utility gloves
6. **Sterilisation procedure control:** Hi-Quality wraps, bagettes, sterilisation container system, latex and lead-free monitor tape, Class V Integrators, labels and barcode labels for tracking the process



To know more about Infection Control, Instrument Management articles and educational materials developed by Hu-Friedy and our network of Key Opinion Leaders, visit www.hu-friedy.com and www.hu-friedy.eu

DIRTY

CHAIRSIDE

PRE-CLEANING

ULTRASONIC BATH

THERMODISINFECTOR

INSPECT AND LUBRICATION

PACKAGING

STERILISATION

STORAGE

CLEAN

