

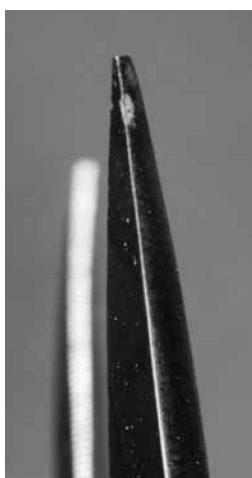
The Hu-Friedy Maintenance tip:

PROBLEMS WITH SCISSORS?

Broken Points? Rusting hinges?

The intention of this brief summary is to help you to recognise the most frequent problems and to indicate ways of avoiding their occurrence. The cost of instrument maintenance is low and regular attention can enhance instrument appearance and extend working life.

Broken points:



- Scissors (and all other hinged instruments) must be cleaned and sterilised frequently. When the scissors are cleaned with the blades in a "closed" position the blades (which are the most sensitive part) are under light pressure. Due to the heat of the autoclave the metal expands, which increases this pressure. The points

may be affected by this pressure and breakage could occur.

- Should the scissor points come into contact with other instruments or be dropped on the floor prior to cleaning, there exists a high possibility that micro-fracture of the metal will occur which may lead to breakage during cutting.

- Substances containing chloride (and blood contains chloride), with a normal or a too high concentration, could cause pitting, especially when the instruments are submerged for a long period of time in the solution and are not adequately rinsed afterwards. This pitting inevitably leads to breakage, especially at the tips. We recommend that blood and protein debris should be removed by ultra-sonic cleaning using a product designed for the task (i.e. Enzymax).

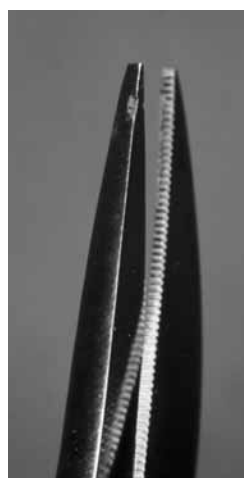
Rusty Hinges:



High grade stainless steel is stain "less" but is not immune from corrosion. At the pivot of the hinge friction occurs. The particles produced by this friction come into contact with oxygen and water and the rust process starts. During sterilisation transference of rust can be transmitted to and attack the metal of other

instruments. "Transferred rust" is found mainly in areas of the hinge and the blades, as these areas need longer to dry. The resulting corrosion extends throughout the hinge area, breakage then occurring due to the increased stress caused by cutting. All this may be avoided by the regular application of a lubricating and protective spray.

Blunt (Dull) Scissors:



It is quite normal that over time, scissors will gradually become blunt after continual use. They will also become blunt when they are cleaned in an "open" position (ultra-sonic bath) if they come into contact with other instruments. Scissors, therefore, are best cleaned by themselves or in cassettes (IMS) with an

adequate locking device.

Please do not forget that scissors should only be used in an appropriate area of application (e.g. tissue scissors should not be used for suture removal).

Hu-Friedy stocks for you all the necessary maintenance lubricants.

We recommend

"IPS"-instrument maintenance lubricant with penetration oil to combat against oxidation and the instrument lubricant spray "ILS" protects new non-contaminated instruments.

Should you have further questions relating to the maintenance of your instruments, please do not hesitate to contact us.

Note: HU-FRIEDY offers an Instrument Management System (IMS) for the complete handling of your instruments, from dental treatment, cleaning and sterilisation through to storage. Use of this system helps to save time and money. Just ask us for more information.



Please visit us:

www.hu-friedy.eu



Cleaning and Maintenance of Instruments

Hu-Friedy has the optimal products for all cleaning problems, in order that your high quality instruments function perfectly for longer.

IMS Penetration Oil and IMS Instrument Spray (CFC free environment friendly pump spray bottle)



Instrument Lubricant Spray 8 oz

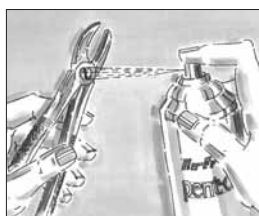
ILS

High Heat Instrument Lubricant 8 oz

ILHH

Penetrating Oil 8 oz

IPS



ILS: For lubricating hinges and locks on scissors, forceps, bone rongeur forceps, needle holders, hemostats, etc. Is applied before sterilization, does not dry out during sterilization. Protects against fretting corrosion and deposits and ensures the proper function of the instruments.

ILHH: The same as ILS and also suitable for dry-heat sterilization at high temperatures.

IPS: Oil for releasing fixed hinges and for removing loose rust particles and surface corrosion.

IMS Cleaning Concentrate "Enzymax"



Enzymax A fast-acting, concentrated, liquid formula. Available in easy to pump quart, gallon and liquid unit dose configurations.

IMS-1222 Box of 40 Packets (Makes 151 liters)

IMS-1224 Quart Bottle (Makes 121 liters)

IMS-1226 Gallon Bottle (Makes 485 liters)

IMS-1226P Gallon Pump

Other **Enzymax**-Products (without picture)

IMS-1232 Enzymax PAX Box of 32 powder packets (Makes 32 Gallons)

IMS-1230 Enzymax Powder 800 gram container (Makes 55 Gallons)

IMS-1230C Enzymax Powder Case of 6 x 800 gram containers

Order Form

Partcode	Description	Quantity
IMS-1222	Enzymax Box of 40 Packets	
IMS-1224	Enzymax Quart Bottle	
IMS-1226	Enzymax Gallon Bottle	
IMS-1226P	Gallon Pump	
IMS-1232	Enzymax PAX, Box of 32 Packets	
IMS-1230	Enzymax Powder, 800 gram container	
IMS-1230C	Enzymax Powder, Case of 6x800 gram	
IPS	Penetrating Oil	
ILS	Instrument Lubricant Spray	
ILHH	High Heat Instrument Lubricant	

Please fax to Hu-Friedy:

Fax 0049 6224 / 97 00-96

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Manufacturer: Hu-Friedy Mfg. Co., Inc. | 3232 N. Rockwell Street | Chicago, IL 60618 | USA
 Hu-Friedy Mfg. B.V. | European Headquarters & Customer Care Department | P.O. Box 29025 | NL-3001 GA Rotterdam
 Tel. +800 HUFRIEDY (+800 48 37 43 39) | Fax +800 48 37 43 40 | E-Mail: info@hu-friedy.eu | www.hu-friedy.eu