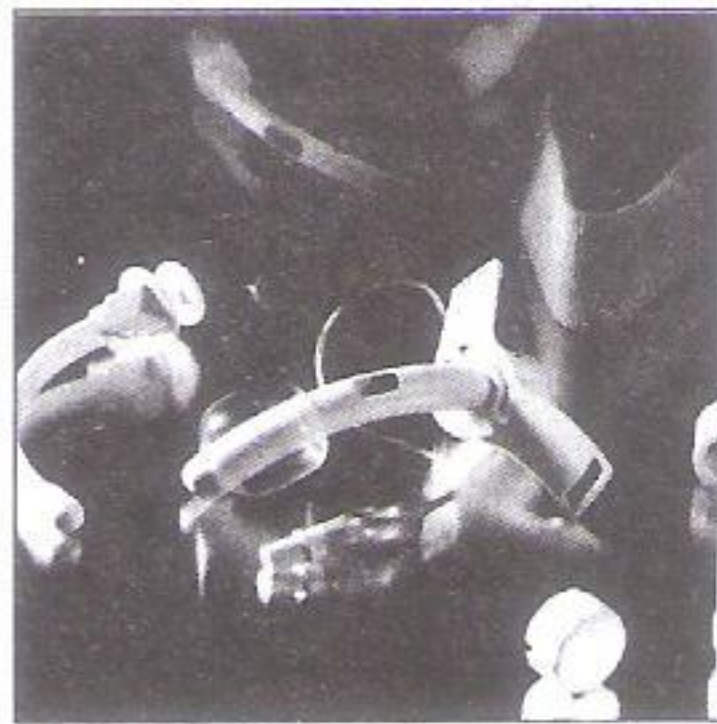


# Trends & Technology

## TRACHEOSTOMY CANNULAE SET

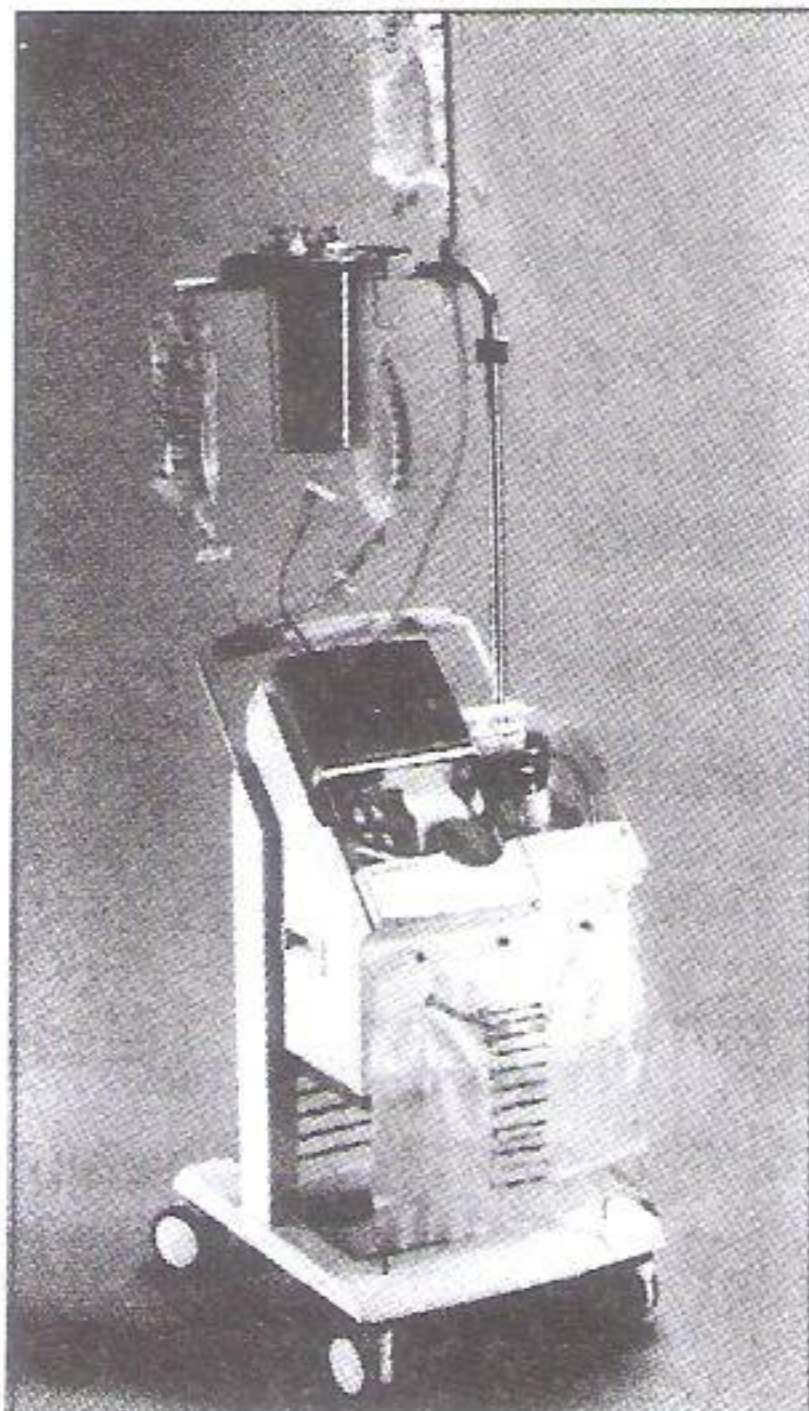
Designed to reduce pressure necrosis.

The TracheoFix set consists of a particularly thin-walled tube that adapts to the trachea and tracheostoma without creating pressure or tension. It features a cylindrical, low-pressure cuff which adapts to the natural shape of the trachea. All sizes of the cannula have the greatest inner lumen possible which contributes to achieving optimum ventilation of the lungs. The flexible fixation flange easily adapts to the neck.



## AUTOLOGOUS BLOOD RECOVERY SYSTEM

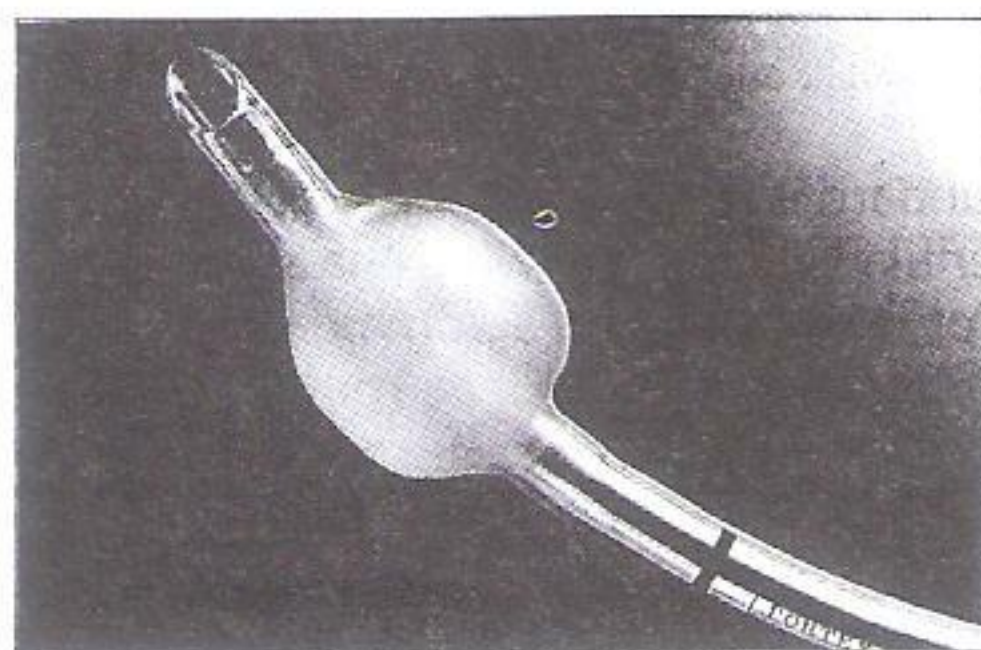
Twenty years ago, autotransfusion was a relatively obscure practice. Today it is considered the standard of care. Following the original Cell Saver system introduced in 1975, three additional generations of this autotransfusion system have been introduced as well as modifications in the processing bowl that includes turbo fins, all of which help to expand and enhance the use of recovered autologous blood and increase in the speed of processing. The latest member in the range, the Cell Saver 5, offers the latest microprocessor and sensor technologies. The system can salvage shed blood during a wide range of procedures. Throughout the salvage procedure, the system monitors and controls the cycle. A sensor checks the level of shed blood in the collection reservoir, the on-board computer initiates cell processing when sufficient fluid is collected and an effluent line sensor monitors the effectiveness of plasma-free haemoglobin washout. Additional special features include an easy-to-load centrifuge offering maximum visibility of the bowl during processing. Easy to set up, self selecting protocols automatically determine the bowl size and estimate the incoming fluid level. The backlit display panel gives "at a glance" operation status.



## PROFILE SOFT-SEAL TRACHEAL TUBE

Profile Soft-Seal features a cuff made of velvet soft, extremely thin, but strong material. This unique material reduces the tracking associated with large volume low pressure cuffs whilst minimising risk of trauma during intubation.

Profile Soft-Seal cuffs also exhibit minimal rises in pressure during exposure to Nitrous Oxide (test data on file SIMS Portex Ltd).

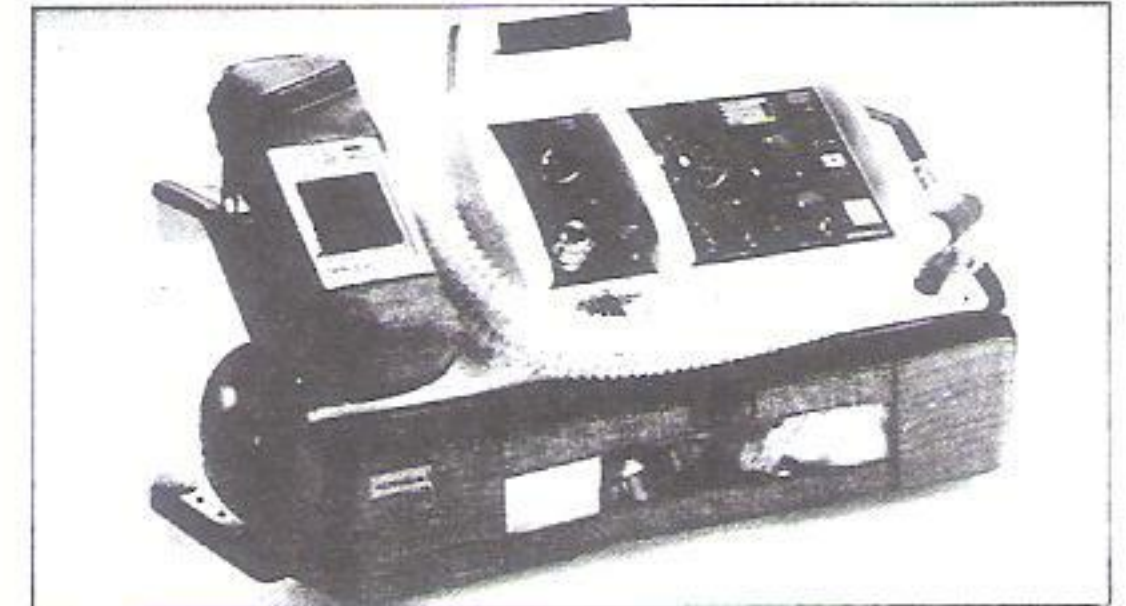


In addition, due to the larger cuff resting diameter of the Profile Soft-Seal tracheal tube an effective seal can be obtained even when a smaller bore tube is selected. Stock holding can be reduced as fewer tube sizes will be required to accommodate the variations in patient anatomy.

## EMERGENCY VENTILATOR

Medumat Standard is a new short-term ventilator specially designed for use in emergencies. It is fitted with ventilation monitoring systems

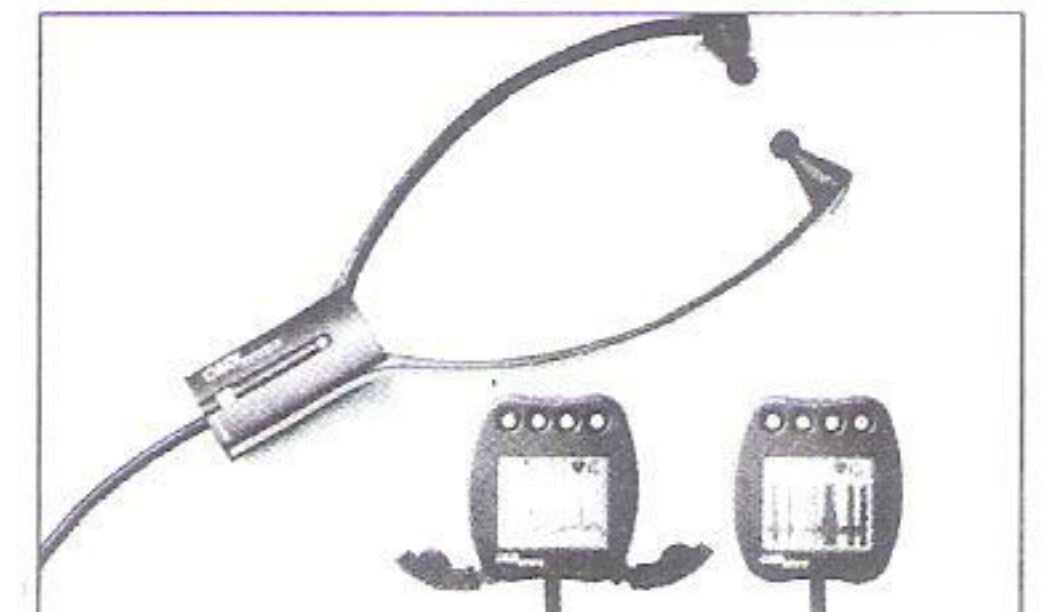
that emit alarm signals to warn doctors and paramedics if stenosis or disconnection occurs or if there is a drop in O<sub>2</sub> pressure, a system failure or if the battery needs charging. Improvements have also been made to the Life-base Mini emergency carrying platform which has been modified to accommodate a capnometer or a pulse oximeter, plus accessories. The carrying platform has been designed to make it instantly detachable from the wall mounting with one hand.



## ELECTRONIC STETHOSCOPE WITH INTEGRATED ECG

permits fast first opinion of heart conditions

More than 150 years since its conception, the stethoscope has experienced a substantial improvement. CADscope is an innovative device that features, in one lightweight and handy instrument, the functionalities of a highly sensitive electronic stethoscope and of an electrocardiograph. Heartbeat sounds in a broad frequency range are amplified to an optimal acoustic level and simultaneously displayed as phonocardiogram trace on the built-in LCD screen, thus allowing the physician to visually verify his auditory perception of a sound pattern. Furthermore, two swivelling electrodes and a fixed electrode attached to the stethoscope head interact to form an Einthoven triangle for accurate determination of the ECG. After removal of the instrument from the patient's body, the last measured signal is stored on the display for subsequent comparison with appropriate reference traces. Ready for use anytime and anywhere, the instrument permits quick and reliable diagnosis of heart conditions, since even virtually inaudible arrhythmias are readily detected.



## MAINSTREAM CAPNOGRAPH

With SpO<sub>2</sub> measurement

Tidal Wave Sp is hand held capnograph using a main-stream sensor in addition to using the latest patented digital pulse oximetry technology. Capnogram, plethysmogram and 30min trends are displayed on the back lit screen. A 24-hour trend is available for downloading to a Windows based PC.

