

ADVANCED X-RAY FILM PROCESSING TECHNOLOGY



MD2000

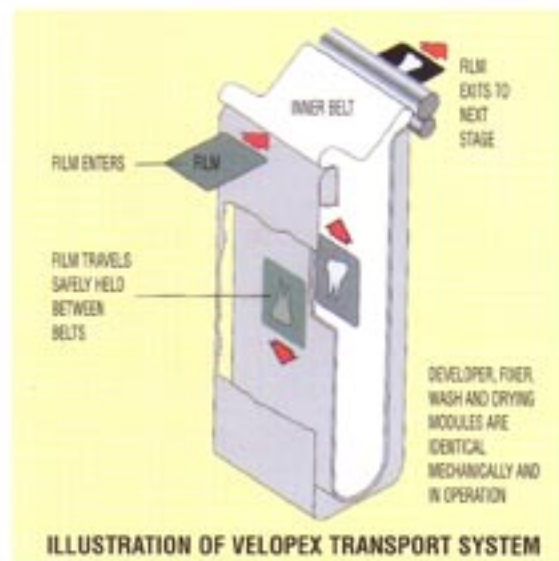
AUTOMATIC PROCESSORS, FOR RADIOGRAPHS OF CONSISTENTLY HIGH DIAGNOSTIC QUALITY

The Velopex MD2000 and Velopex Extra-X set the standard for quality, consistency and convenience in x-ray film processing.

Designed and built in Britain by Medivance Instruments, they bring the know-how gained through 30 years' experience in automatic processing together with new technologies developed in response to the radiographer's needs.

The Velopex combination of reliable performance, rapid throughput, daylight processing, simple operation, minimal maintenance, compact dimensions and flexibility in films and chemistry is unrivalled.

For the busy hospital department, clinic or veterinary practice, Velopex processing is the cost effective choice.



DEEP TANKS PROVIDE LONG FILM PATH

Deep tanks give a long film processing path, allowing fast feeding and ensuring ample exposure to the chemicals for efficient processing. The tanks' narrow cross-section keeps their surface area small, reducing oxidation and evaporation to provide good chemical economy.

PRECISE CONTROL OF WORKING TEMPERATURE

For the accurate and stable operating temperature essential for producing radiographs of consistently high diagnostic quality, the Velopex MD2000 and Velopex Extra-X feature a pumped chemical recirculation system. Water flow is controlled automatically.

VISUAL WARNING OF LOW CHEMICALS

Warning lights indicate when topping-up of the chemicals is required as a result of processing and evaporation losses, with fail-safe shutdown if depletion reaches critical levels.

MODULAR CONSTRUCTION FOR LOW MAINTENANCE

Velopex x-ray processors are uniquely easy to maintain. The developer, fixer, wash and dryer modules are light in weight and lift out in seconds for simple user servicing or exchange.

AUTOMATIC CHEMICAL REPLENISHMENT

An automatic chemical replenishment system is standard on the MD2000 and optional for the Extra-X.

PATENTED FILM TRANSPORT SYSTEM

The patented Velopex self-cleaning web film transport system holds the x-ray film stationary between two belts as it travels through the processing tanks. The film is held securely without pressure, avoiding the risk of mechanical damage and ensuring even exposure to the chemicals. This unique, fully proven system has far fewer moving parts than conventional roller assemblies and offers long service life with very low running costs.

FLEXIBILITY OF FILMS AND CHEMISTRY

Films of different size and type can be processed simultaneously and may be loaded without stopping the machine, continuously and in any order. Also, while Velopex processing chemicals are specifically designed to ensure the best results from Velopex machines, other good quality brands of developer and fixer may be used.



MD2000

The large-format Velopex MD2000 automatic x-ray processor is designed for the most demanding duty in hospital radiography departments and in large animal veterinary applications. It offers one of the highest capacities of any desk-top processor available.

RAPID PROCESSING

The Velopex MD2000 delivers high quality, perfectly dry radiographs in just three minutes. Once warmed up, the machine automatically remains on continuous standby.

HIGH CAPACITY

With its fast throughput and 355mm (14") track width, the MD2000 allows the continuous loading in random order of x-ray films up to full chest plate size.

ONE-BUTTON OPERATION

Fully automatic processing is achieved at the press of a button.

NO DARKROOM NECESSARY

An optional lightproof loader allows the Velopex MD2000 to be used without a darkroom, while the machine's smooth, easy-clean lines avoid the need to screen it from view. The optional loader offers the added convenience of a light-tight compartment for storing unexposed films in different sizes, unwrapped ready for use.

SIMPLE INSTALLATION

Installation merely involves connection to a 13 amp power supply, cold water supply and waste outlet.

OPTIONAL MACHINE STAND

The processor's compact dimensions permit benchtop use, although a robust, purpose-built stand is available if required.

Optional lightproof loader for MD2000 removes need for darkroom



Velopex MD2000 on optional stand

VELOPEX MD 2000 SPECIFICATION

Dimensions: processor	Depth (overall)	730mm / 28 3/4"
	(plus daylight loader)	960mm / 37 3/4"
	(exc. loading platform & film catcher)	585mm / 23"
	Width	675mm / 26 1/2"
Height (overall)		710mm / 28"
	(exc. film catcher)	447mm / 17 1/2"
stand	Depth	620mm / 24 3/4"
	Width	685mm / 27"
	Height	660mm / 26"
Weights: processor	Empty	56.3 kg
	Full	78.3 kg
	stand	24.8 kg
	total	103.1 kg
Tank capacities:	10 litres each	
Power requirement:	240v 50Hz 13 Amps	
Water supply:	1-8 Bar, 2 litres / min	
Warming-up time:	15 minutes approx.	
Maximum film width:	355mm / 14"	
Film feed speed:	770mm / min	
Film path	2500mm	
Processing time:	3 minutes (also available: 2 minutes)	

EXTRA-X

The very compact Velopex Extra-X develops x-ray films from intra-oral to full skull size with efficiency and ease, enabling a hospital dental department to be self-sufficient in x-ray processing if required. The Extra-X is also ideal for general veterinary applications, taking films up to 250mm x 300mm in size.

PERFECT RADIOGRAPHS, FAST

The Velopex Extra-X produces high quality, dry radiographs in just four minutes. An electronic control keeps the machine on standby at the correct operating temperature.

AUTOMATIC PROCESSING

Processing merely requires the press of a button and introduction of the film. Small films are organised by entry slot guides.

NO ACCIDENTAL EXPOSURES

A locking mechanism on the lid over the tanks avoids accidental exposure of a film during developing.

COMPACT DIMENSIONS

The Extra-X occupies little bench space, and only requires connection to a standard power socket, cold water supply and waste outlet. A sturdy stand is available as an option.

NO DARKROOM NECESSARY

The capacious daylight loader eliminates the need for a darkroom. If a darkroom is preferred, the loader is simple to remove. An optional deep loader extension is available to accommodate larger film sizes.

VELOPEX EXTRA-X SPECIFICATION

Dimensions:	Depth (inc. daylight loader)	660mm / 26"
	Depth (darkroom configuration)	380mm / 15"
	Width	500mm / 19 3/4"
	Height	315mm / 12 1/2"
Weight:	Empty	21 kg / 46 1/2 lb
	Full	27 kg / 59 1/2 lb
Tank capacity:	3.8 litres / 6 3/4 Imp. pints each	
Power requirement:	220-240v 50Hz or 110-120v 60Hz	
Warming-up time:	10 mins approx.	
Film feed speed:	470mm per min / 18 1/2" per min	
Max film width:	260mm / 10 1/4"	
Processing time:	4 mins	



Velopex Extra-X



Velopex Extra-X with daylight loader

For further information on Velopex automatic x-ray film processors, please contact the manufacturers: