

GAMMASAFE

Automatic Wind Out Technology

Gammasafe is a fully automatic, motorised wind out system which enables radiographers to position a source to expose a radiograph and then retract the source after a pre-set exposure time.



The safety benefits are obvious as the system is fully automatic.

It is also very cost effective, as a single radiographer can activate a number of Gammasafe machines positioned at several locations.

All the operator has to do is set the precision timing on the control panel and start the automatic exposure sequence.

Gammasafe can be used with the Sentinel 460, 660 and 880 Iridium and Cobalt devices.

The Gammasafe Automatic Wind Out System comprises three modules, the Drive Unit, the Control Unit and an optional Warning Beacon.



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The Drive Unit

The Drive Unit is contained within a strong steel housing, which protects the reversible motor, the wind out gearbox and control cables. The unit can be operated free standing or wall mounted.

Control cables can be built to lengths to suit your specific requirements but 50ft should be considered the maximum practical limit.

The Drive Unit is fitted with a manual safety back up hand wheel, which should be accessible at all times to enable the source to be manually retracted in the event of an emergency or power failure.



The Control Unit

This integral part of the Gammasafe Automatic Wind Out System can be mounted together with the Drive Unit or mounted remotely, up to 30 feet away.



The control panel features a key operated power switch to prevent use by unauthorised personnel, while simple, clearly marked push buttons control the expose and retract functions.

The control electronics are governed by a Dold electro-mechanical timer. This can be set between two seconds and 60 hours.

The unit is fitted with an AB 7 pole chassis socket, which many radiographers will be familiar with. If the safety interlock is broken, the unit will not energise, it will drop out of pre-warning and the unit will automatically retract the source.

The exposure can be stopped at any time by pushing the retract button.

The Warning Beacon

The optional Warning Beacon has been designed to show a flashing amber lamp and to produce an audible warning for ten seconds prior to the exposure operation.



Gammasafe Dimensions

Control Unit:	130mm H x 358mm W x 260mm D
Drive Unit:	272mm H x 344mm W x 280mm D
Power Requirements:	110/240 volt switchable



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