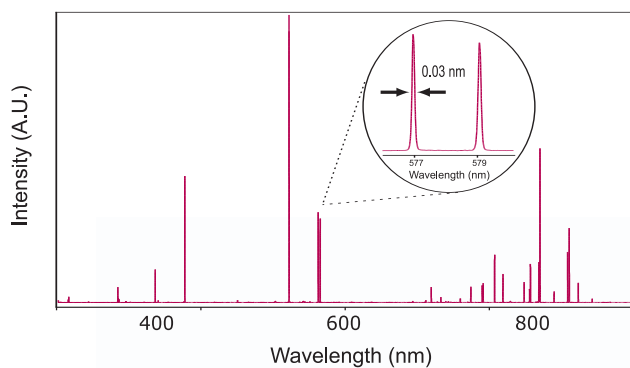
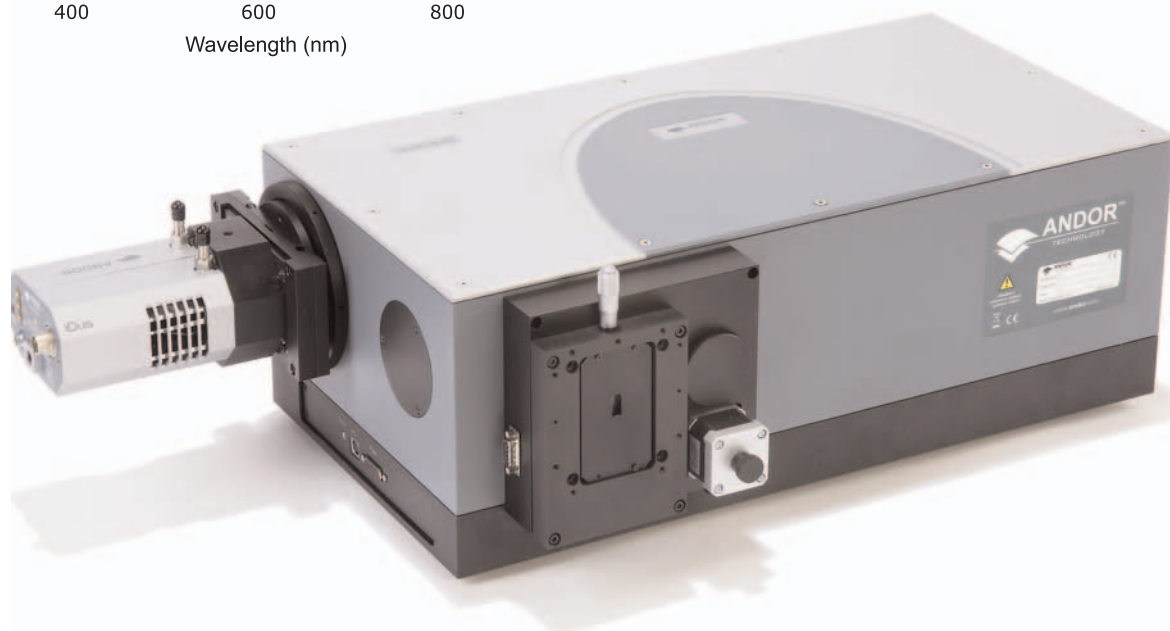


NEW to Andor's family of Spectroscopy Solutions...

...The Shamrock 500 & 750



*“Ultimate Resolution
for more detail
and clarity”*



- **Pre-aligned detector/spectrograph solution**
- **Direct and responsive software interactivity**
- **Triple grating turret**
- **USB interface or RS232**
- **Wide range of accessories available**
- **Multiple applications including Raman and fluorescence**



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Andor Technology Worldwide: +44 28 9023 7126
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discover new ways of seeing™

Ultimate Resolution combined with Ultimate Sensitivity...

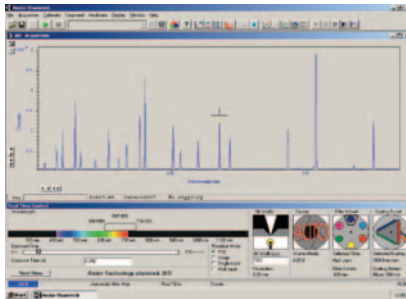
...Andor Shamrock 500 & 750

The Andor Shamrock SR-500 and SR-750 are the latest additions of the Andor family of spectrographs. Combined with our range of high performance detectors, these Czerny-Turner optically designed spectrographs and associated accessories offer customers the ultimate in data collection solutions for spectroscopy.

Unparalleled customer benefits include:-

Direct and responsive software interactivity:

With the fast and interactive graphical software interface the user can fully control all of the spectrograph functions including: wavelength control and calibration, grating selection, shutter control, slit control and filter selection.



Pre-aligned detector/spectrograph solution:

Enabling fast, efficient experimental set-up, all calibrated and tested 'under one roof' in our manufacturing facility in Belfast.

Available for use with a wide range of cameras: Including the price-performance iDus spectroscopy camera, the Newton^{EM} for EMCCD sensitivity and the iStar ICCD for time-resolved spectroscopy.

Triple grating turret: Provides a simple, accurate and convenient way for the user to change gratings within the spectrograph unit.

Wide range of accessories available: Includes optical fibers and adaptors, motorized filter wheel, camera lens adaptor, shutters, pen-ray lamp mounts and detector adaptors.

Shamrock Model Number	SR-500	SR-750
Focal Length (mm)	500	750
Aperture	f/6.5	f/9.8
Reciprocal dispersion (nm/mm, nominal)	1.7	1.1
Mechanical scan range (nm)	0 to 1200	0 to 1200
Wavelength resolution (nm)	0.05 *	0.03 **
Wavelength accuracy (nm)	± 0.2	± 0.2
Wavelength reproducibility (nm)	± 0.05	± 0.05
Focal plane size (mm, W x H)	28 x 14	28 x 14
Stray Light (measured at 20mm from 633nm laser line)	1.5×10^{-4}	1.5×10^{-4}

* <0.1nm with 26µm pixel CCD detector

** <0.06nm with 26µm pixel CCD detector

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