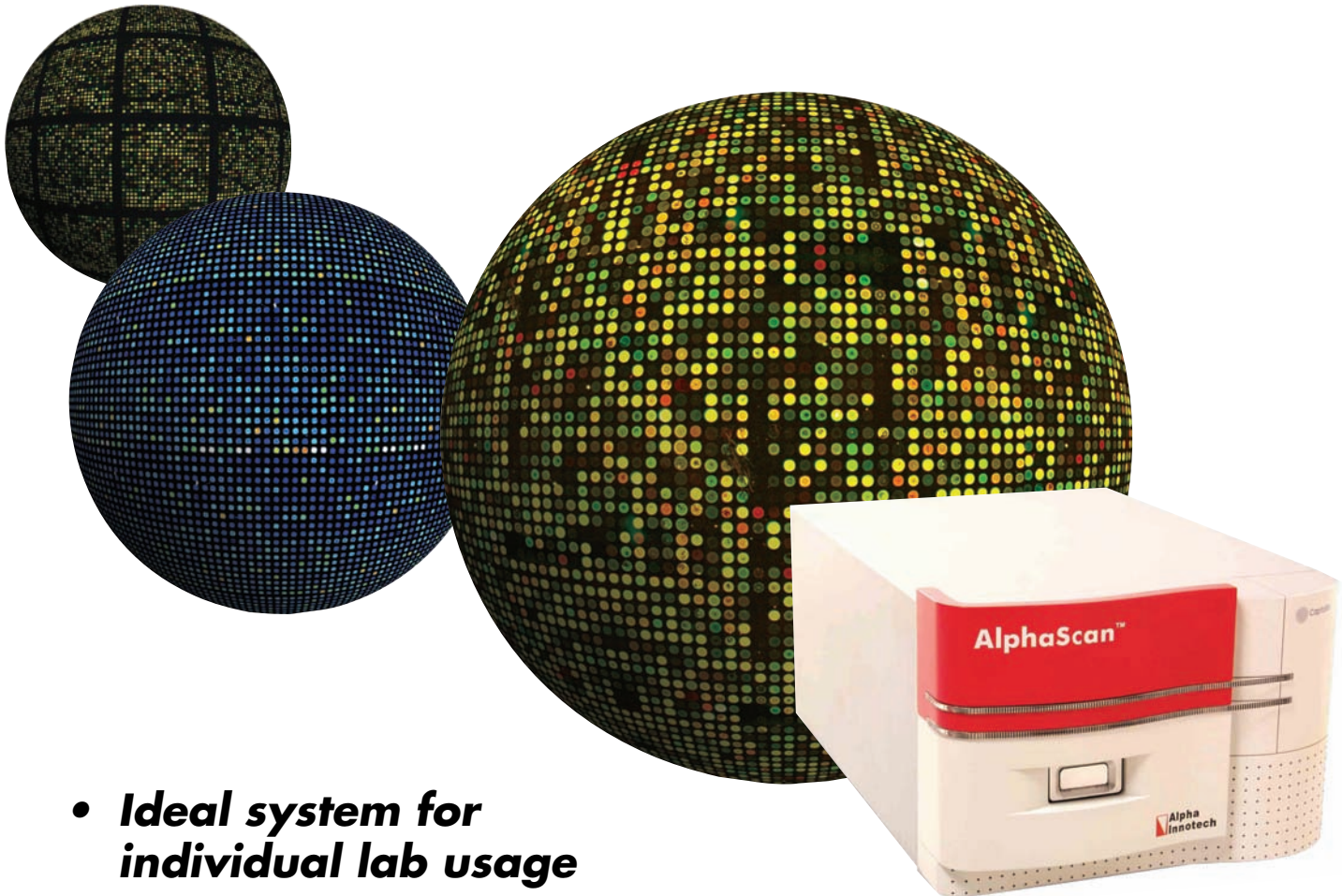


AlphaScan™

Microarray Scanner



- ***Ideal system for individual lab usage***
- ***Compact benchtop unit for dual-spectral imaging***
- ***Fulfills all standard microarray performance needs***
- ***Enhanced application flexibility with multi-position emission filter wheel***

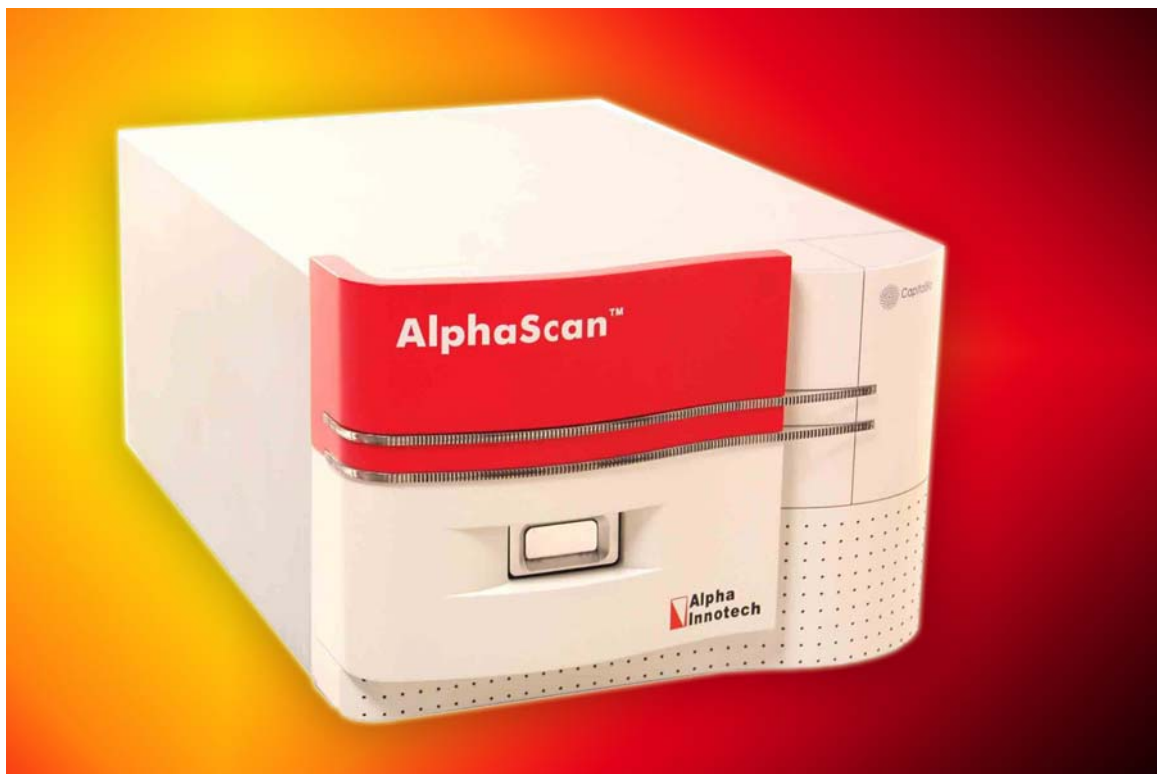
 **Alpha
Innotech**

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AlphaScan™

An Ideal Platform for Microarray Analysis



Specifications

Chip Format	25 X 75 mm
Resolution	User selectable: 5, 10, 20, 40 μm
Sensitivity	0.1 fluorescent molecules/ μm^2
Scan Speed	8 mins/ channel (resolution 10 μm)
Dynamic Range	4 orders
Repeatability	95%
Laser Power Settings	Continuously adjustable, in 1% increments
PMT	Continuously adjustable
Maximum Scan Area	22 X 72 mm
Focus Search Range	$\pm 250 \mu\text{m}$
Excitation Wavelengths	532 nm, 635 nm
Fluorescent Dyes	Cy3, Cy5 etc.
Emission Filters	Up to 6 (Standard Cy3 and Cy5 included)
File Format	16-bit TIFF, BMP, JPG, RAW
Size, L X W X H	540 X 360 X 220mm (21.3 X 14.2 X 8.7in)
Weight	40 kg (88 lb)

AlphaScan™ is a compact and high performance scanner for microarray imaging and data analysis of DNA, protein, cell and tissue arrays. It integrates advanced designs in its optical, signal processing and motion control systems resulting in superior performance capabilities when compared to similar instruments. With two excitation lasers of 532 and 635nm, AlphaScan™ provides high sensitivity, accuracy, dynamic range and linearity. It is the ideal instrument for gene expression profiling of microarrays.



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