# COMPUTER-BASED ANALYSIS SYSTEMS

## Leaf Area Root Length Image Analysis

Easy-to-use software programs - choice of packages

Accepts images for analysis from a variety of sources -'live' video camera, still digital camera, scanners, scanned photographic images, tif, jpeg files, etc.

Results can be stored and/or printed

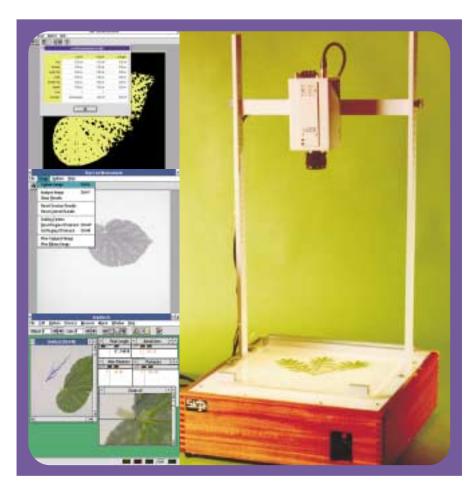
Actual images can be printed

Optional light box with adjustable lighting for accurate results

### The Skye Computer Based

Analysis Systems are high resolution, high specification systems for automatic measurements of objects. They are PC based and suitable for Microsoft Windows versions 3 and above.

The complete system includes video camera, image capture card (installed in the PC), light box with adjustable controls, frame to hold objects flat during measurement, camera support frame, cables and software. There are 3 full colour softwares to choose from, depending on your application requirements.



#### Leaf Area and Analysis Software

-a dedicated program for fast, repetitive measurements of leaf area, length, breadth, perimeter, count and diseased area.

**Root Length Measurement** -a dedicated program for fast, repetitive measurement of total root length. Includes an overlap correction function for complex root systems.

#### Aequitas IA General Purpose Image Analysis Program to

measure many different parameters including area, length, diameter, perimeter, count, circularity, plus user definable classes. Suitable for leaves, seeds or any object, plus a root length module for root measurements. Also includes powerful image processing tools and links with Aequitas IDA image database.

All softwares can be used with the 'live' video camera system above, or can be used alone with scanned or stored images, such as TIF or JPEG files.

Optional components, such as microscopes, zoom lenses etc. are available on request.



SPECIFICATIONS						
System Requirements	PC Requirements	Image Capture card	(	Camera	Light Box	
For 'Live' images: PC, Camera, Image capture card, video cable, software (Choose from SkyeLeaf, SkyeRoot or Aequitas 'Lite') For scanned or stored images : software - SkyeLeaf or SkyeRoot or Aequitas 'Lite'	Pentium PC, no earlier than 1996		Colour CCD 2/3". Focus F1.4-F1.6, 0.3m to infinity by focus ring. 16mm 'C' mount lens (other lenses available)		Size - 430 x 470 x 140mm	
	Windows 95 or better 16MB RAM minimum				Illuminated area - 350 x 380mm	
	Free PCI-slot for image capture card VGA colour display, HI COLOR, 800 x 600 minimum				Maximum camera height 710mm	
					Power - 110V or 240V please specify	
					Lighting - 6 x 8 watt fluorescent tubes. Models available with dimming controls.	
					Housing - British hardwood cabinet, 6mm translucent ICI perspex working surface, ICI clear perspex leaf frame, painted aluminium camera support frame.	
ORDERI	NG INFORMATION					
SI 700	includes light boy tubes, leaf frame camera, camera software*, docum * Choose one so	Analysis Systems, with dimming fluores , image capture card, support frame, cables nentation ftware from SkyeLeaf oot (SI725) or Aequita	21,	Instruments Ltd Ddole Enterprise Park Jandrindod Wells		
Componen	ıts				Powys LDI 6DF United Kingdom	
SI 711 SI 721	Light box with dir	Image capture card Light box with dimming fluorescent tubes, leaf frame, camera support Colour camera with lens and video cable			f TEL +44 (0)1597 824811 FAX +44 (0)1597 824812 EMAIL skyemail@skyeinstruments.com WEB http://www.skyeinstruments.com	
SI 732						
Software						
SI 712 SI 716	Root length mod	Aequitas IA full image analysis software Root length module for Aequitas IA full image analysis Aequitas IDA image database and archive management system Skye Leaf Area and Analysis software Skye Root Length software Aequitas IA 'Lite' software			Skye	
SI 718	Aequitas IDA ima					
SI 724 SI 725 SI 730	Skye Leaf Area a Skye Root Lengt					
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