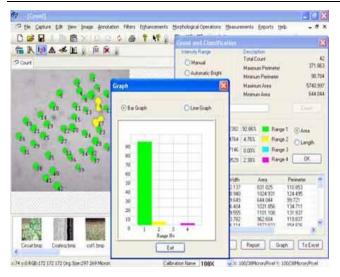
ACUCAL SERVICES

High Tech Quality Instruments

901 A/6, Ashok Vihar, Ambala City-134003, Haryana Phone: +91-90341 25607 / 99960 92595, Email : acucalservice@gmail.com

Image Analysis Software

Model: ACUBIO+





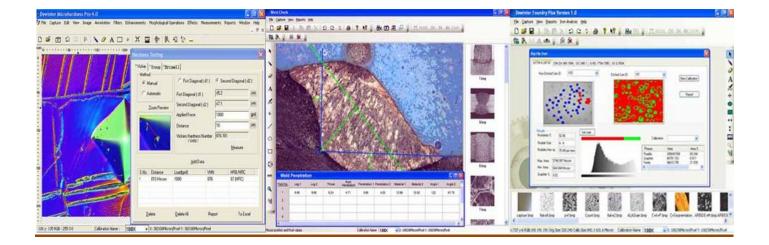
DESCRIPTION:

We provide Image Analysis Software that makes the process more speedy and convenient. The Image Analysis Software that we deal in is ideal for visualization, measurement, enhancement, processing as well as analysis of the data. Also, the Image Analysis Software that we provide is used for measuring area, length, distance, etc.

- Steel Industry
- Educational institute
- Research Institute

Applications/Features

- Suitable and Compatible with all Makes of
- Stereo Zoom Microscopes & Cameras.
- Calibration and measurement facility
- Measurement results Report to MS Excel and print out via printer



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SPECIFICATIONS & TOOLS:

•	Image Editing	• <u>View</u>	
	Cut, Copy, and Paste.	Zoom in/out	
	 Selected copy by free hand AOL controlled by four arrow keys available on keyboard or mouse with zoom preview. 	Zoomed previewRotation at 90, 180,270 or custom	
	Crop, duplicate, restore	Image flipping; horizontal or vertical axis	
	Resize	Intensity histogram.	
	Compression	Image Information	
	• Conversion to other format BMP, JPG, TIF, PNG,	Redo/Undo on all operations.	
	GIF & PSD	Ruler in Various units.	
	 Flood fill or spray with selected color at selected portion. 	Slide show. Image Processing	
	• Grid creation; 5X5, 10X10 & 100X100 lines.	Background subtraction and contrast enhancement of	
	• Drawing tool curve, line, square, and circle with node	color or monochrome images	
	control and provision to change color & thickness of the line.	 Arithmatic image functions (Boolean Math; Add, AND, OR, XOR, DIFF, MIN, MAX, +, -, /, *, And Simple) 	
	Write text in any color or font.	Routine Filters	
	 Pointer to place on an object in four directions with provision to change its color & thickness. 	Invert, Brightness, Contrast, Hue, Saturation, Blur, Noise Remove, Emboss, Engrave, Gamma R, Gamma	
	 Eraser works only on line, arrow or on any drawing tool.(not on original image) 	G, Gamma B, Yellow, Magenta, Cyan, Mosaic, Smooth	
	Highlighter.	<u>Segmentation</u>	
	Pixel by Pixel Correction by key board.	Measure area fraction & volume fraction. Identify multiple phases within Microstructure. Also delineate	
	Multiple image folder with Search facility.	phases from the histogram.	
	Filter application on selected area		
٠	Special Filters & Karnels	Edge Detection	
	High Boost, High Spatial, Low Pass Spatial, Ranking Point detection, Line detection, Homogeneity	Laplacing, Sobel, Shift & Difference, Combine, Contrast Base, Quick, Range And Variance.	
٠	Morphometery	<u>Measurement</u>	
	Skelotizing, SKIZ, Histogram Equalization, Histogram	Spartial calibration	
	Smoothing, Histogram Peak, Histogram Valley, Segmentation by Over/Under and Quantized, Contouring, Dilation / Erosion on Binary, Gray &	 Line measurements for Distance, Length, Width, Perimeter, Angle, Three Point Radius. 	
	colored Images, Opening/ Closing on Gray & Binary Images,Image Addition, Image Average, Image Subtraction, Image Multiplication.	 Area by enclosed line controlled by four arrow keys available on keyboard arrows with zoomed preview. 	
٠	Count and Classification	<u>Threshold Particle Measurement</u>	
	Identification of objects in an image, count them, obtain several features measurements. Objects identification by user or automatically. User defined classification on basis of size or intensity.	Manual, Auto bright and Auto dark methods to identity intensity range defined object to be measured. Various calculation & measurements available for selected Particle are; Dimensions, Area, Perimeter, Ferrite Length, Min/Max Radius, Thread Length, Thread Width, Fiber Length, Fiber Width.	
٠	Morphometery	Locational	
	Roundness, Shape, Orientation, Elongation, Equal Circular Diameter, Equal Sphere Volume.	Centroid X, Centroid Y, Major X1, Major Y1, Minor X1, Minor Y1, Major X2, Major Y, Major X2, Minor Y2, Box X1, Box X2, Box Y, Box Y2 & Box Area.	
٠	Report		
 Three options: Direct printout with original image processed Image & Tabular results 			

• Export to MS Office or Excel for further modification.