

SPECIFICATIONS & TOOLS:

<ul style="list-style-type: none"> • Image Editing <ul style="list-style-type: none"> • Cut, Copy, and Paste. • Selected copy by free hand AOL controlled by four arrow keys available on keyboard or mouse with zoom preview. • Crop, duplicate, restore • Resize • Compression • Conversion to other format BMP, JPG, TIF, PNG, GIF & PSD • Flood fill or spray with selected color at selected portion. • Grid creation; 5X5, 10X10 & 100X100 lines. • Drawing tool curve, line, square, and circle with node control and provision to change color & thickness of the line. • Write text in any color or font. • Pointer to place on an object in four directions with provision to change its color & thickness. • Eraser works only on line, arrow or on any drawing tool.(not on original image) • Highlighter. • Pixel by Pixel Correction by key board. • Multiple image folder with Search facility. • Filter application on selected area 	<ul style="list-style-type: none"> • View <ul style="list-style-type: none"> • Zoom in/out • Zoomed preview • Rotation at 90, 180,270 or custom • Image flipping; horizontal or vertical axis • Intensity histogram. • Image Information • Redo/Undo on all operations. • Ruler in Various units. • Slide show.
<ul style="list-style-type: none"> • Special Filters & Karnels High Boost, High Spatial, Low Pass Spatial, Ranking Point detection, Line detection, Homogeneity 	<ul style="list-style-type: none"> • Image Processing <ul style="list-style-type: none"> • Background subtraction and contrast enhancement of color or monochrome images • Arithmetic image functions (Boolean Math; Add, AND, OR, XOR, DIFF, MIN, MAX, +, -, /, *, And Simple)
<ul style="list-style-type: none"> • Morphometry Skelotizing, SKIZ, Histogram Equalization, Histogram Smoothing, Histogram Peak, Histogram Valley, Segmentation by Over/Under and Quantized, Contouring, Dilation / Erosion on Binary, Gray & colored Images, Opening/ Closing on Gray & Binary Images, Image Addition, Image Average, Image Subtraction, Image Multiplication. 	<ul style="list-style-type: none"> • Routine Filters Invert, Brightness, Contrast, Hue, Saturation, Blur, Noise Remove, Emboss, Engrave, Gamma R, Gamma G, Gamma B, Yellow, Magenta, Cyan, Mosaic, Smooth • Segmentation Measure area fraction & volume fraction. Identify multiple phases within Microstructure. Also delineate phases from the histogram.
<ul style="list-style-type: none"> • Count and Classification 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. 	<ul style="list-style-type: none"> • Edge Detection Laplacing, Sobel, Shift & Difference, Combine, Contrast Base, Quick, Range And Variance.
<ul style="list-style-type: none"> • Morphometry Roundness, Shape, Orientation, Elongation, Equal Circular Diameter, Equal Sphere Volume. 	<ul style="list-style-type: none"> • Measurement <ul style="list-style-type: none"> • Spartial calibration • Line measurements for Distance, Length, Width, Perimeter, Angle, Three Point Radius. • Area by enclosed line controlled by four arrow keys available on keyboard arrows with zoomed preview.
<ul style="list-style-type: none"> • Report <ul style="list-style-type: none"> • Three options: Direct printout with original image processed Image & Tabular results • Export to MS Office or Excel for further modification. 	<ul style="list-style-type: none"> • Threshold Particle Measurement 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.
	<ul style="list-style-type: none"> • Locational 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.