

Media Cybernetics

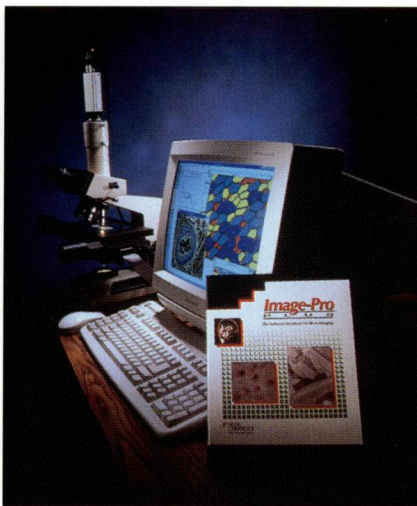
You don't have to spend a fortune for an effective imaging system. Media Cybernetics (Silver Spring, Md) offers Image Pro Plus (IPP), a cost-effective, integrated image processing and analysis package for solving critical problems wherever decisions must be made based on information hidden in imagery. The company's rapid growth in all imaging markets is readily traced to the design philosophy of componentization: using software "tools" to build highly functional, intuitive, and consistent imaging products.

Image Pro Plus is no exception. This full-featured software program provides the flexibility and ease of use to handle a wide variety of applications. It has already been used to solve diverse problems ranging from auto crash tests and fingerprint analysis, to automatic metallography measurements, biological research, and medical imaging diagnostics. There were even 65 systems embedded in the military intelligence systems used during Desert Storm to detect and track missile and troop deployment.

As more and more companies require ISO 9000 compliance, audit trails, and traceable testing, Image Pro's applications and installations will expand still further. Specifically for the materials science market, IPP now includes metallographic grain sizing, porosity and inclusion analysis, and phase characterization. The new Direct Data Export to Excel spreadsheets provide a ready channel for integrating these image-based measurements with other data such as physical and mechanical test results, time-at-temperature, moisture or chemical content, and other process parameters.

Image Pro Plus is simple enough for novices but broad enough to handle the advanced requirements of expert programmers. Currently, it is installed in hundreds of industrial, government, and university centers, wherever examination and analy-

sis of images can help to understand processes, identify objects, or make comparisons. Worldwide, Image Pro Plus is used by thousands of researchers, engineers, and technicians to cut the costs and cycle time of research, design and product development as well as to improve productivity in quality assurance, nondestructive testing, and integrated analyses using microscopy, physical, and chemical testing.



As simple as a screwdriver

No tool will increase productivity if it is difficult to operate. With Image Pro Plus, users can capture and process images, make manual and automatic measurements and classifications, define areas of interest, extract individual color channels, process them, then merge them back into the original image, analyze histograms and line profiles, perform JPEG compression, and save data and objects in a variety of formats. Images can be cut and pasted, copied, merged, and annotated and the full screen image display capability removes borders and toolboxes, producing crisp, clean images for slide presentations or publication. A unique test strip feature gives immediate feedback for determining the best settings for your printed image.

IPP also offers the versatility of color and the high resolution of gray-scale imaging. For those

analyses where color imaging is critical, proprietary M/Color technology processes true 24-bit color correct operations. While the data is stored in 24-bit format, it can be viewed even on systems equipped with only an 8-bit display.

Those readers who are new to image processing and analysis should not be overwhelmed by this list of functions. Image Pro Plus starts where you are and grows as your imaging needs grow. In those applications that don't require advanced image processing, quick and easy image segmenting, measurement, and data logging are available. An auto threshold function also increases productivity by speeding up object counting and measurement.

Scientific measurement

Image Pro's structure couples absolute calibration to the image acquisition device, guaranteeing the most accurate calibrations possible. Sampling rates assure sub-pixel accuracy. The densitometry calibration routine produces results in absolute optical density units and user-defined calibration curves for specific instruments can be readily integrated. Both single and multiple variable classification are built in.

IPP is Windows based

IPP offers all the ease of use and familiarity of the Windows format plus the added benefits of multiple movable and scalable image and dialog windows, configurable pull-down menus, icons, and toolbars, and simultaneous display of gray-scale and true-color images. The new Direct Data Exchange (DDE) communicates directly with other Windows applications like Excel and Word or WordPerfect, easily.

For more information:

Contact Media Cybernetics, 8484 Georgia Ave., Silver Spring, MD 20910; tel: 301/495-3305; fax: 301/495-5964.