

# Metallographic Analysis has never been faster or easier

# SIMAGIS®

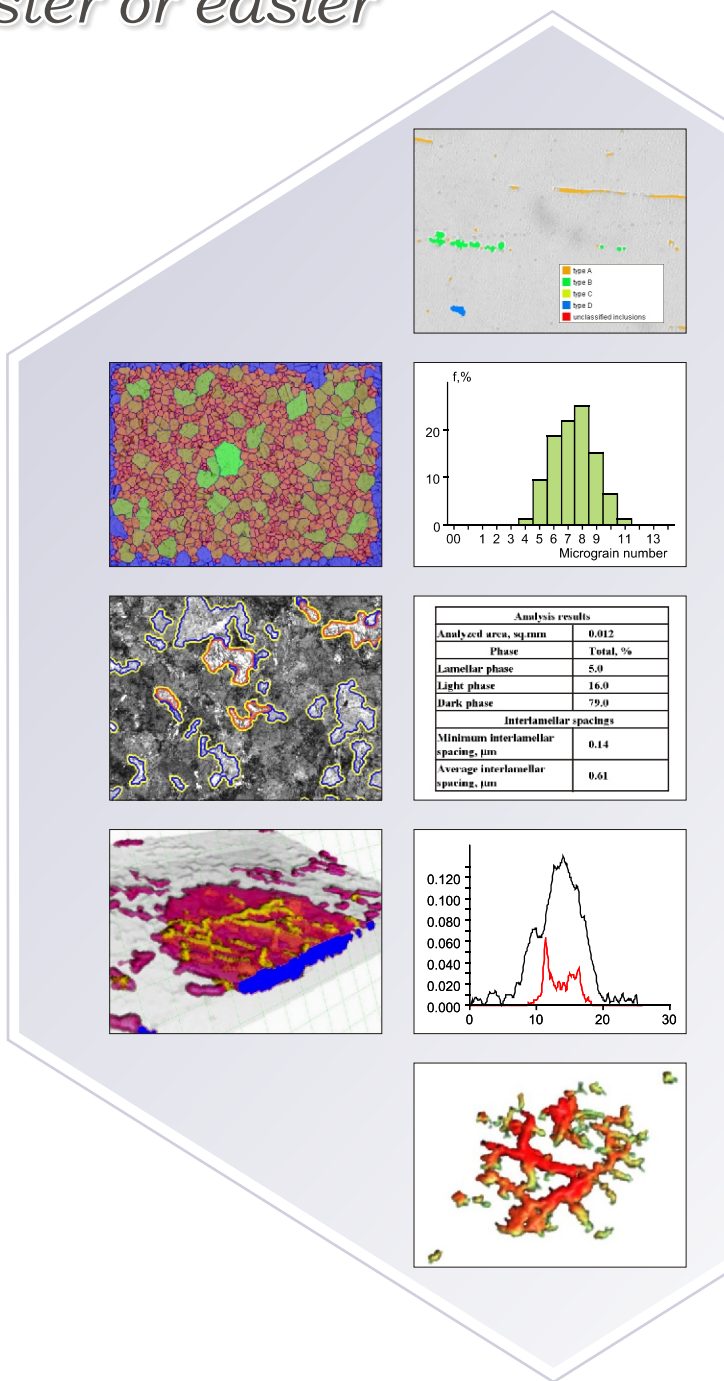
SIMAGIS® Solutions for metallographic analysis are fully automated:

- 📄 **Microhardness Determination**
- 📄 **Grain Structure / Size Analysis**
- 📄 **Microstructure Phase & Content Analysis**
- 📄 **Pore & Particle Size / Volume Analysis**
- 📄 **Layer / Coating Thickness Determination**
- 📄 **Non-Metallic Inclusion Analysis**
- 📄 **Custom Solutions Available**

SIMAGIS® has dozens of ready-to-run applications  
Solutions tailored precisely for your needs are available

Using applicable ASTM standards SIMAGIS® features, settings, and reports are easily customizable to address your specific requirements

Full service options are available from our industry partners including sample preparation, procedure development and image analysis



[www.simagis.com](http://www.simagis.com)



## *Features and Benefits*

SIMAGIS<sup>®</sup> image analysis solutions delivers the next generation of metallographic analysis tools. SIMAGIS<sup>®</sup> offers a variety of ready-to-run solutions for specific scientific and industrial analysis applications. This simple to use tool provides unique fundamental advantages that place it in a class of its own. Here's some of the reasons labs are replacing their outdated image analysis software with SIMAGIS<sup>®</sup>.

### **Application Spreadsheet**

The innovative concept of the Smart Imaging Spreadsheet<sup>®</sup> makes the image analysis process accurate, visual and easily reproducible. SIMAGIS<sup>®</sup> enables you to visualize the analysis process thus validating the quality of the data. SIMAGIS<sup>®</sup> includes a variety of advanced functions for image analysis. No coding is required to develop your own automated routines. The user friendly interface makes it very easy to modify the ready-to-run solutions if necessary to satisfy your changing requirements. Using a ready-to-run solution or a macro of your own design, the process can be easily repeated on other samples by a lab assistant or technician with minimal training. You can expect consistent results no matter who does the analysis. This approach makes analysis processes more productive and empowers sharing methods and expertise across the organization.

### **Natural analysis automation**

SIMAGIS<sup>®</sup> Smart Imaging Spreadsheet<sup>®</sup> is easy to use because it is so intuitive. The analysis is presented as a visual sequence of processing steps with visible interim results and easily adjustable functions for each step. This unique feature simplifies the process of selecting the best image processing parameters and significantly improves productivity. User modifications are easily saved which reduces repetitive operations. SIMAGIS<sup>®</sup> spreadsheet format also allows you to get aggregate or average statistics from an entire batch of images. Report generation has never been easier than with SIMAGIS<sup>®</sup>. The speed, consistency, and simplicity of SIMAGIS<sup>®</sup> will save you time and money.

### **Other Features**

SIMAGIS<sup>®</sup> includes all of the advanced features that you expect in a leading image analysis solution. The Functional Library contains over 300 algorithms for professional image analysis, including objects and structures development, arithmetic operations, measurement global parameters, particles parameters, special measurements), morphological operations, particle filters, statistical analysis and many others. With SIMAGIS<sup>®</sup> user friendly interface it's as simple as point and click to build your own macros for many applications. SIMAGIS<sup>®</sup> is compatible with standard digital image formats and accepts direct input from digital and video cameras, microscopes (Optical, TEM, SEM, AFM), scanners and most popular image editing software. Other features include automated creation of reports with tables, graphs and distribution histograms; web publishing and custom programming in Java for creating new functions. SIMAGIS<sup>®</sup> ready-to-run applications save you time and provide professional quality results, right out of the box.

### **Put SIMAGIS<sup>®</sup> to Work for You**

It's easy to put SIMAGIS<sup>®</sup> to work for you. Contact Smart Imaging Technologies to arrange an online demonstration. Or you can send some typical images to Smart Imaging Technologies with a brief problem statement and receive a sample report created using SIMAGIS<sup>®</sup>. Your satisfaction is guaranteed when using SIMAGIS<sup>®</sup> ready-to-run or customized solutions. SIMAGIS<sup>®</sup> is brilliantly simple to use, contact Smart Imaging Technologies today to learn more.

