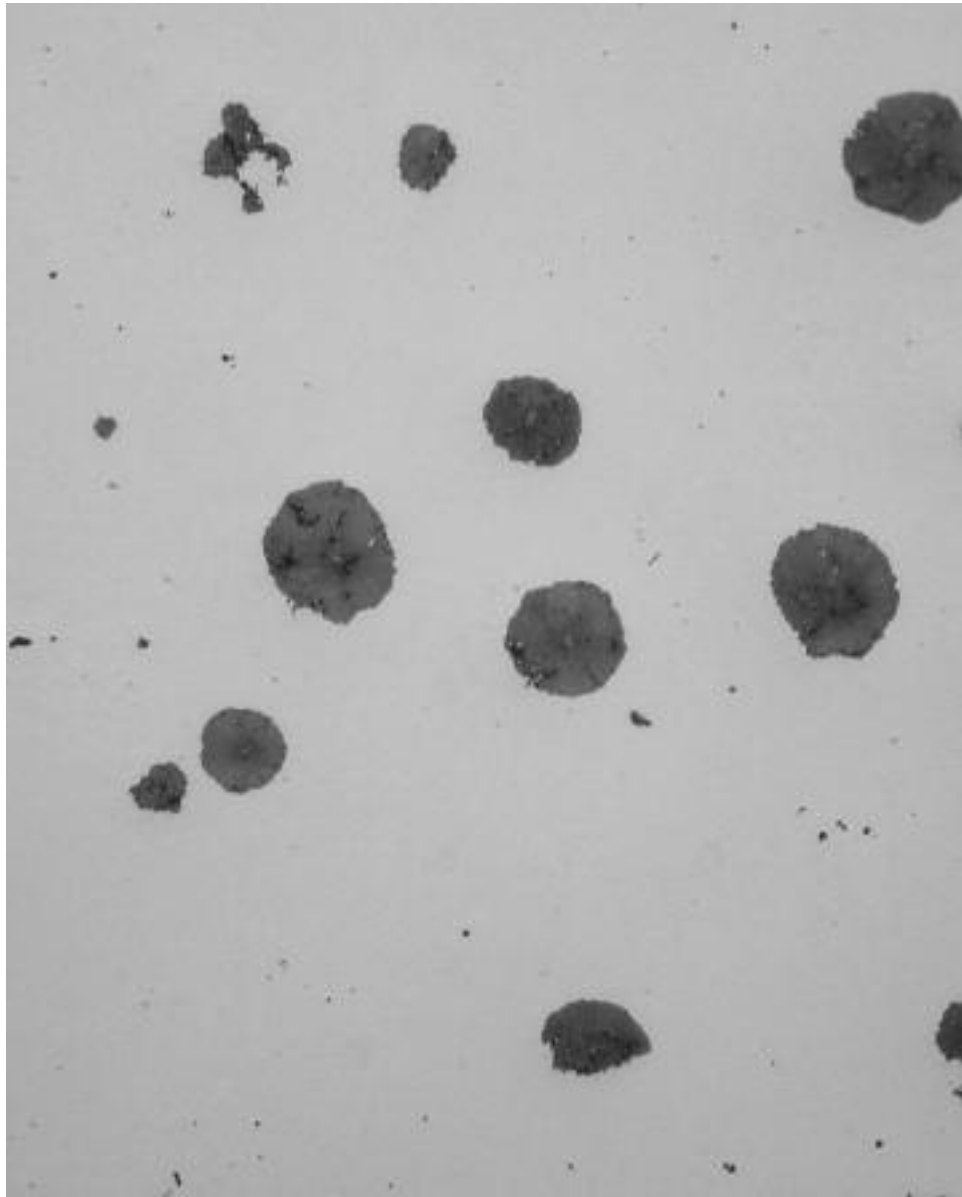


# BUEHLER® OmniMet®

## IMAGE ANALYSIS APPLICATIONS SOLUTIONS *86-3400 Graphite Assessment Module*

- **Designed for the Accurate Determination of the Graphite Nodularity and Size Classification According to ASTM A247-67 (Reapproved in 1998)**
- **Provides Area Percentage Measurements of Graphite, Pearlite and Ferrite as Well**
- **Automated Measurement Assures Ease-of-Use, Repeatability and Reproducibility**
- **Impressive Report Generated in Microsoft® Excel in Just a Few Mouse Clicks**



**The 86-3400 Graphite Assessment Module** has been designed for use with either the OmniMet® Express or the OmniMet® Enterprise and provides analysis of graphite in cast iron according to the requirements of ASTM A247-67

An assessment is provided of the nodularity by percent count and the proportion of nodules falling into the eight ASTM A247 classes

In addition, measurements are provided on:

- Graphite flake length
- Area percent ferrite
- Area percent graphite
- Area percent pearlite

**Automated Image Analysis** and measurement of graphite in cast iron using this OmniMet module can yield a number of benefits including:

- Increased productivity with rapid analysis of specimens
- Improved repeatability
- Less operator strain
- The Microsoft® Excel based ASTM A247 reports may be saved in the OmniMet PC or to a networked drive, e-mailed, or printed

**Additional Advantages** with the Graphite Assessment Module for the OmniMet® Express and OmniMet® Enterprise:

- All images are calibrated and may be archived in the OmniMet database and retrieved later
- Professional Reports showing images and databased information are easily generated in Microsoft® Word® using the built in Omnimet Report Generator\*

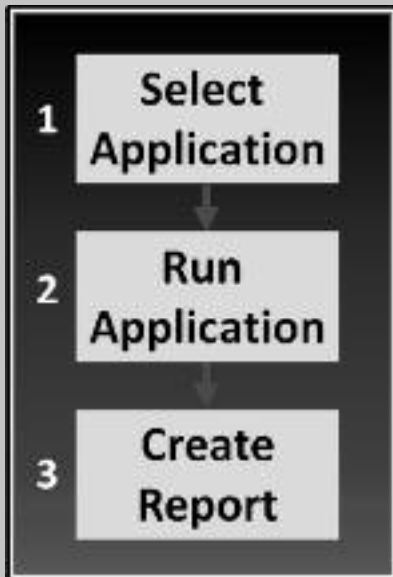
**Industry Use:**

Ductile and Gray Iron Foundries, Quality Control Labs

**Running the 86-3400 Graphite Assessment Module is as simple as 1-2-3!**

*\*The built in Report Generator is available in version 4.0 and later OmniMet® Express and OmniMet® Enterprise*

**With the OmniMet® Applications Solutions Simplicity is the Essence**



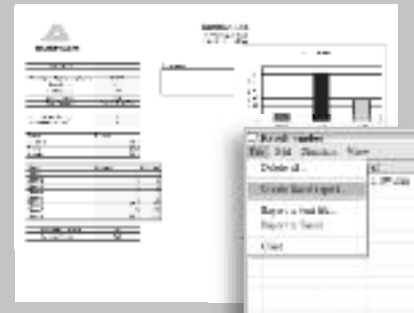
**Step 1.**  
Select the application from the folder.



**Step 2.**  
Push the "Run multifield" button to run the analysis for as many fields as needed. Open the results window to see the data collected.



**Step 3.**  
Run the OmniMet application macro to generate the desired report.



The OmniMet application macro quickly generates a professional report for graphite nodularity assessment according to ASTM A247, information on flake length and ferrite/pearlite area percent is also provided if appropriate.

*Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.*

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