

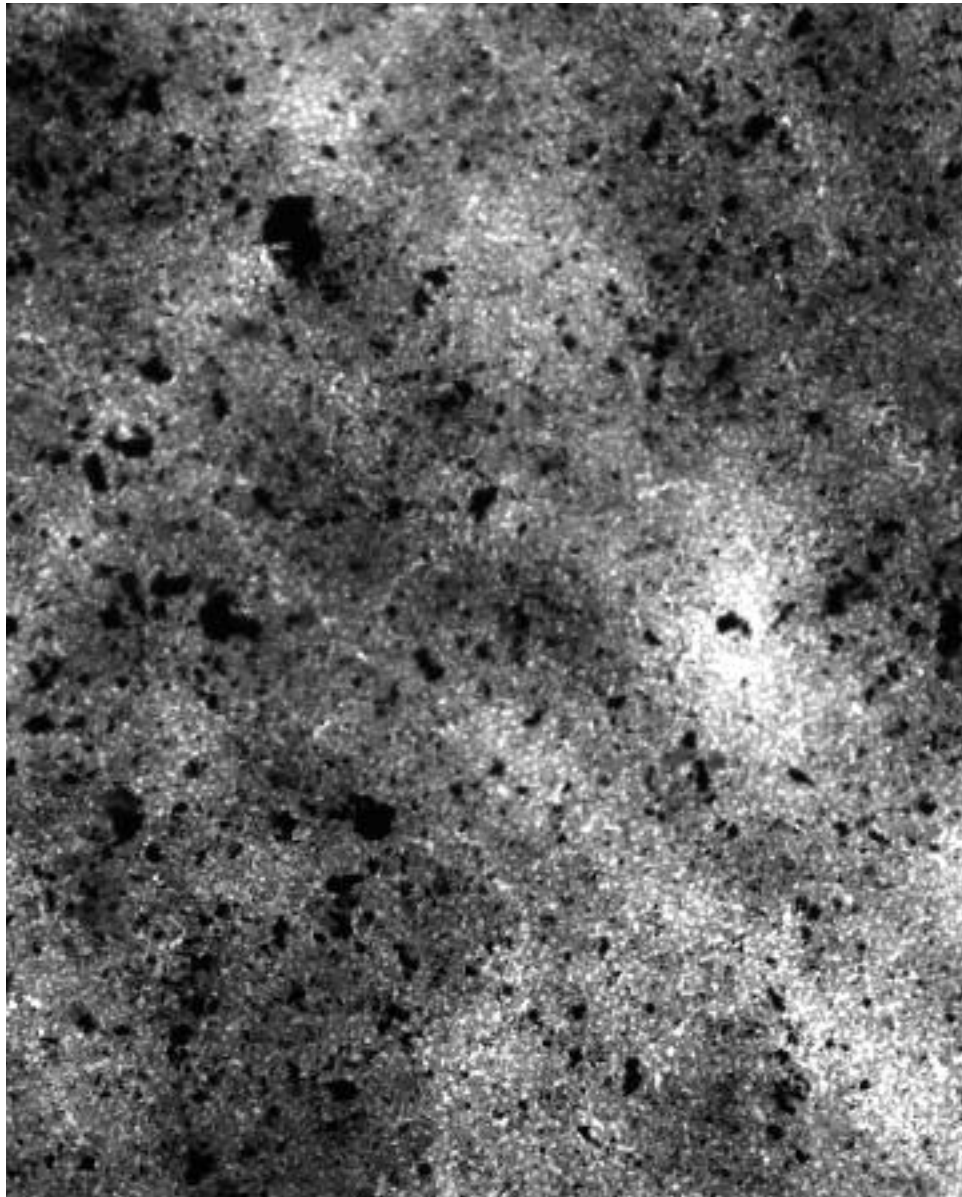
BUEHLER®

OmniMet®

IMAGE ANALYSIS APPLICATIONS SOLUTIONS

86-3525 Cleanliness Assessment Module

- **Accurate Determination of the Cleanliness Assessment of Particles on Filter Paper with Results Generated According to ISO 4406**
- **Used to Assess Contamination Levels in Fuel Delivery and Hydraulic Systems**
- **Analysis is Done Over a User Defined Number of Fields**
- **Automated Measurement Assures Ease-of-Use, Repeatability and Reproducibility**
- **Impressive Report Generated in Microsoft® Excel in Just a Few Mouse Clicks**



The 86-3525 Cleanliness Assessment Module has been designed for use with either the OmniMet® Express Image Analysis System or OmniMet® Enterprise Image Analysis System and provides automatic cleanliness assessment of particles on filter paper according to the requirements of ISO 4406.

After a prescribed volume of solvent is flushed through the system being checked, the debris deposited on the filter paper must be classified by particle size. Image analysis systems provide a rapid and accurate means for automating the detection and classification of each debris particle.

Automated Analysis is accomplished by:

- Detecting and measuring all of the particles via the OmniMet software.

The guard frame prevents double counting.

- The module calculates the degree of cleanliness based on the values entered by the user for the filter paper diameter and solvent volume
- The user also selects which particle sizes are of interest and can set pass/fail limits for each class

Benefits of the Automated Assessment of Cleanliness with OmniMet Express and OmniMet Enterprise:

- The Microsoft® Excel based reports are complete with the cleanliness rating and a pass/fail determination for each class selected
- The reports may be saved in the OmniMet PC, a networked drive, e-mailed and printed

- 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*

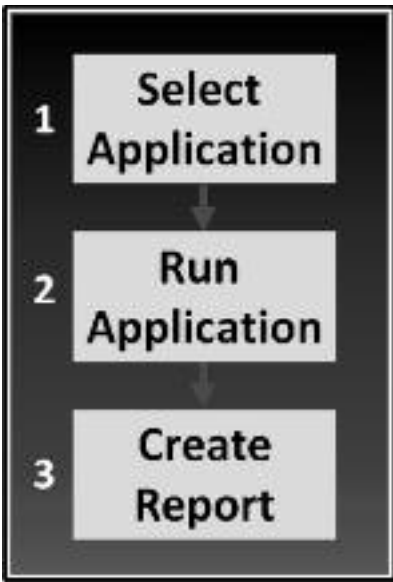
Industry Use

Customers needing to assess the degree of contamination in fuel delivery and hydraulic systems

Running the 86-3525 Cleanliness 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



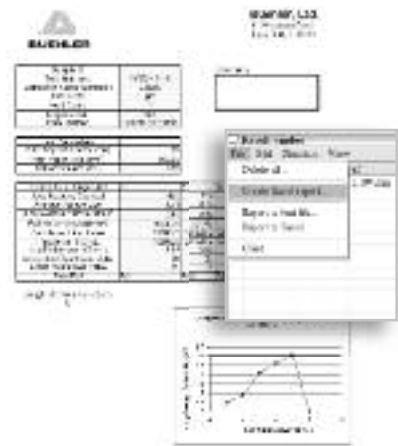
Step 1.
Select the application from the folder.



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 cleanliness assessment according to ISO 4406.

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

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