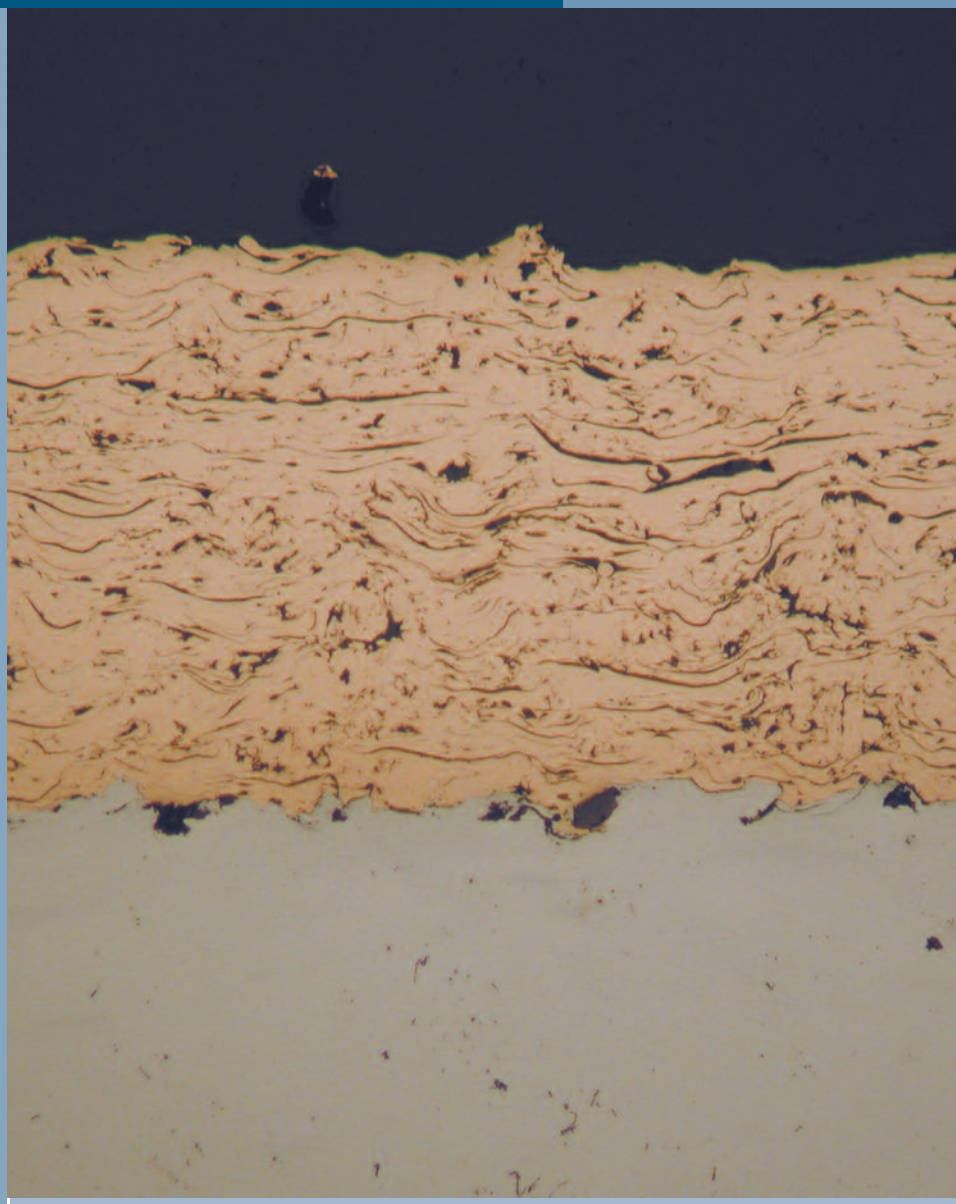
BUEHLER®
OmniMet®
IMAGE ANALYSIS APPLICATIONS SOLUTIONS
86-3310 Surface Roughness Assessment Module

- **Designed for the Accurate Determination of the Surface Roughness with Results Generated According to ASME B46.1-95**
- **Allows Roughness Measurement of Otherwise Hidden Interfaces, Layers, and Surfaces**
- **Automated Measurement Assures Ease-of-Use, Repeatability and Reproducibility**
- **Impressive Report Generated in Microsoft® Excel in Just a Few Mouse Clicks**



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The 86-3310 Surface Roughness Assessment Module has been designed for use with either the OmniMet® Express or the OmniMet® Enterprise and provides analysis of the roughness of surfaces according to the requirements of ASME B46.1-95

Traditionally, this type of assessement is undertaken with an instrument that records surface undulations using a stylus, and can therefore only be used on accessible surfaces.

This assessment module works on microsections of surfaces and can therefore be used for otherwise hidden interfaces to generate average roughness (Ra), or root mean square roughness (Rq) values.

Automated Image Analysis

of surface roughness in microsection is accomplished by:

- Selecting the interface or surface to be measured
- Superimposing perpendicular grid lines and measuring the variance in length of these lines

Benefits of the Automated Assessment of Surface Roughness with OmniMet® Express and OmniMet® Enterprise

- Ability to measure otherwise hidden interfaces and surfaces
- The Microsoft® Excel based ASME B46.1 reports may be saved in the OmniMet® PC or to a networked drive, e-mailed or 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*

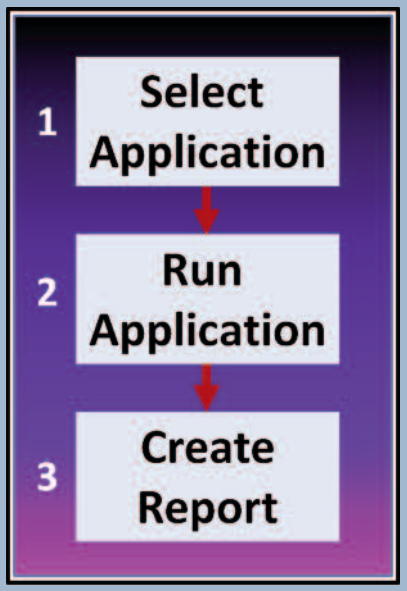
Industry Use:

Precision Blade Producers, Thermal Spray Coatings, Turbine Blades

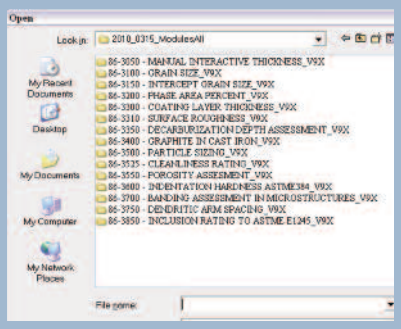
Running the 86-3310 Surface Roughness Assessment Module is as simple as 1-2-3!

**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

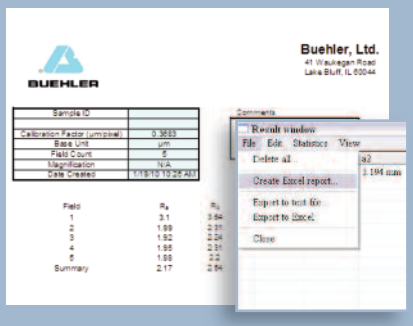


Step 1.
Select the application from the folder.



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 Surface Roughness assessment according to ASME B46.1 and can be easily customized with your company logo and contact information.

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

BUEHLER LTD. REGISTERED TO ISO 9001 CERTIFICATE NO. A3104*

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