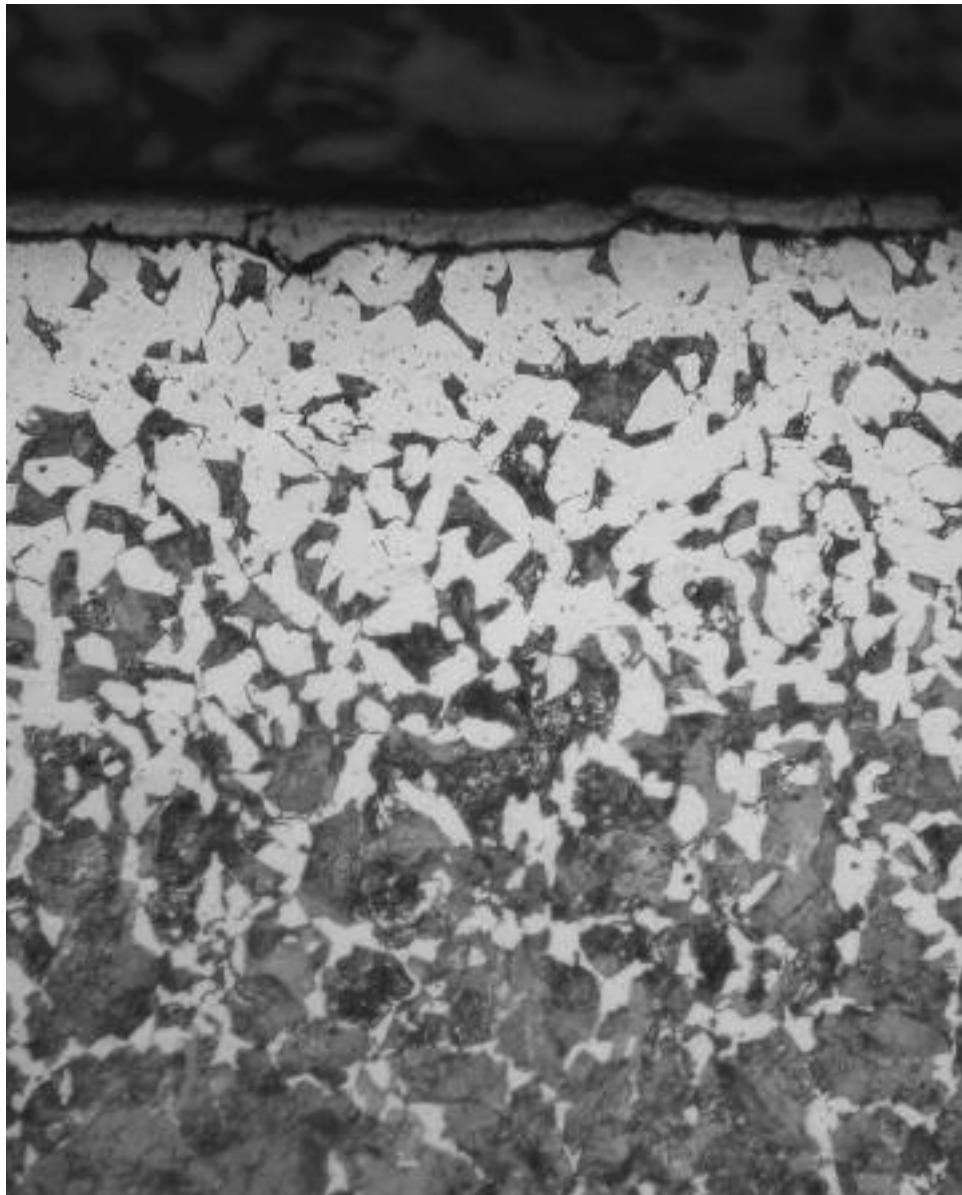


BUEHLER® OmniMet®

IMAGE ANALYSIS APPLICATIONS SOLUTIONS

86-3350 Decarburization Assessment Module

- Designed for the Accurate Determination of the Decarburization Depth in Steels According to ASTM E1077-01
- Depth is Determined at 3 User Defined Percentages of Decarburization
- Automated Measurement Assures Ease-of-Use, Repeatability and Reproducibility
- Impressive Report Generated in Microsoft® Excel in Just a Few Mouse Clicks



The 86-3350 Decarburization Assessment Module has been designed for use with either the OmniMet® Express or the OmniMet® Enterprise and provides analysis of the depth of decarburization in steel according to the requirements of ASTM E1077-01.

This test method provides guidance on the determination of the depth of both total and partial decarburization according to the relative amount of free ferrite present in the microstructure.

Automated Image Analysis and measurement of decarburization in steel with the 86-3350 module provides a number of benefits:

- A number of intercept lines are drawn automatically over the image allowing for increased accuracy through higher sampling
- Up to three different decarburization percentage levels may be defined to give various measures of partial decarburization as well as total decarburization depths
- Increased productivity with rapid measurement and calculations for the intercept lines in the decarburization zone
- Less operator strain
- Improved measurement repeatability
- The Microsoft® Excel based ASTM E1077 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*

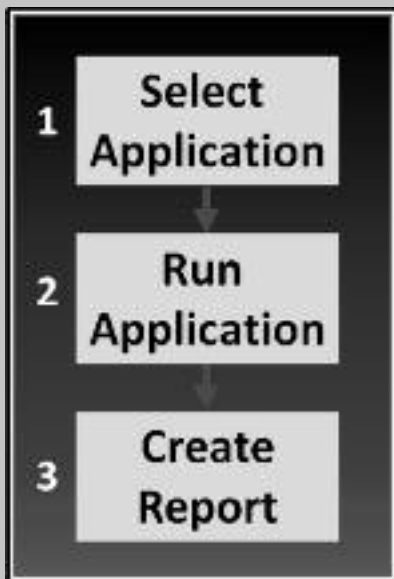
Industry Use:

Ferrous Heat Treatment, Hot Finished Steel Products, Quality Control Lab

Running the 86-3350 Decarburization 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 decarburization depth assessment according to ASTM 1077.

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

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