

From Eye to Insight



RATE NON-METALLIC INCLUSIONS RAPIDLY AND RELIABLY

The LAS X Steel Expert analysis software



The LAS X Steel Expert software from Leica Microsystems helps you to accurately and quickly rate non-metallic inclusions to ensure steel quality. With it, you can ensure steel quality compliance with ever stricter international, regional and organizational standards.

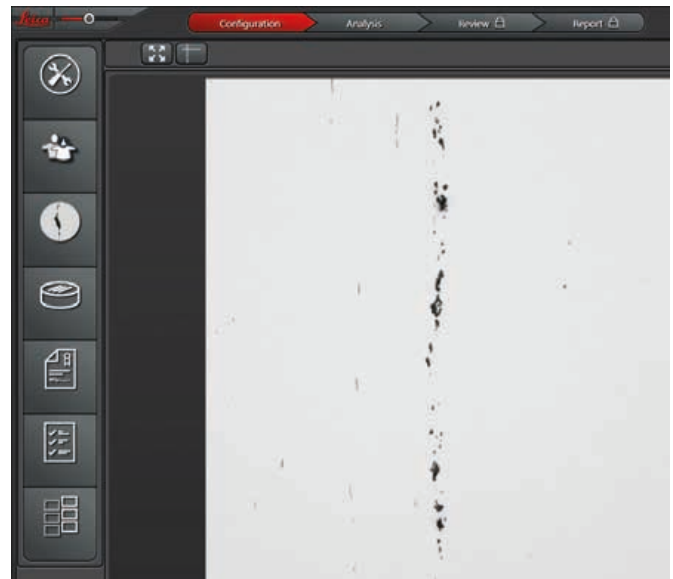
Rate your non-metallic inclusions rapidly and reliably

The LAS X Steel Expert software makes it quick and easy for operators to accurately rate the non-metallic inclusions in steel. It ensures quality compliance with standards such as ISO 4967, EN 10247, ASTM E45, and DIN 50602.

Save time with an optimized workflow

Achieve a rapid workflow for inclusion analysis with a smart, intuitive user interface that enables users to easily navigate through data acquisition and analysis.

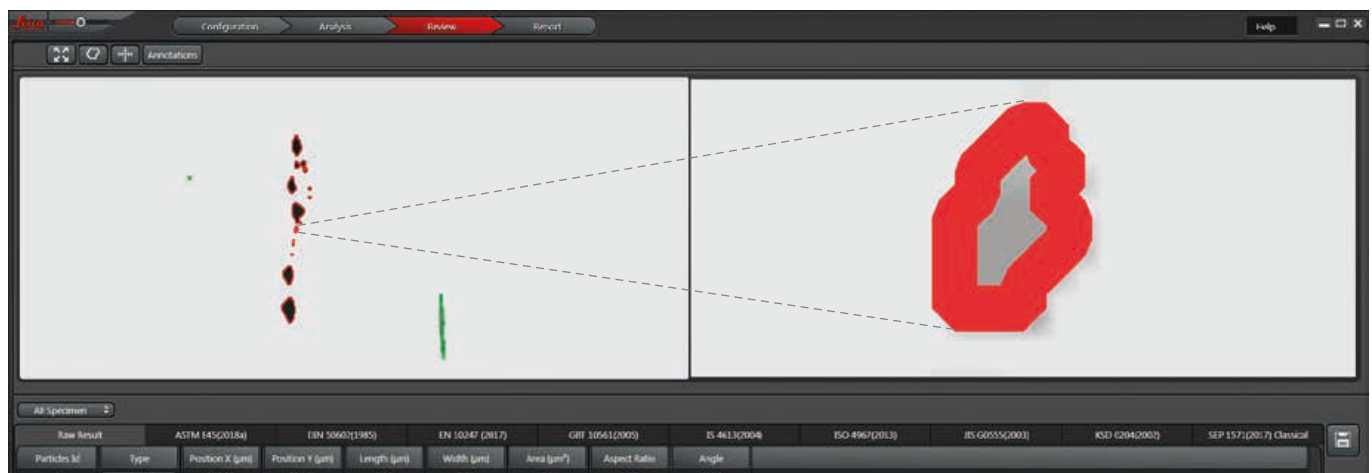
International, regional, and organizational standards, which are licensed by the user, can be applied during analysis.

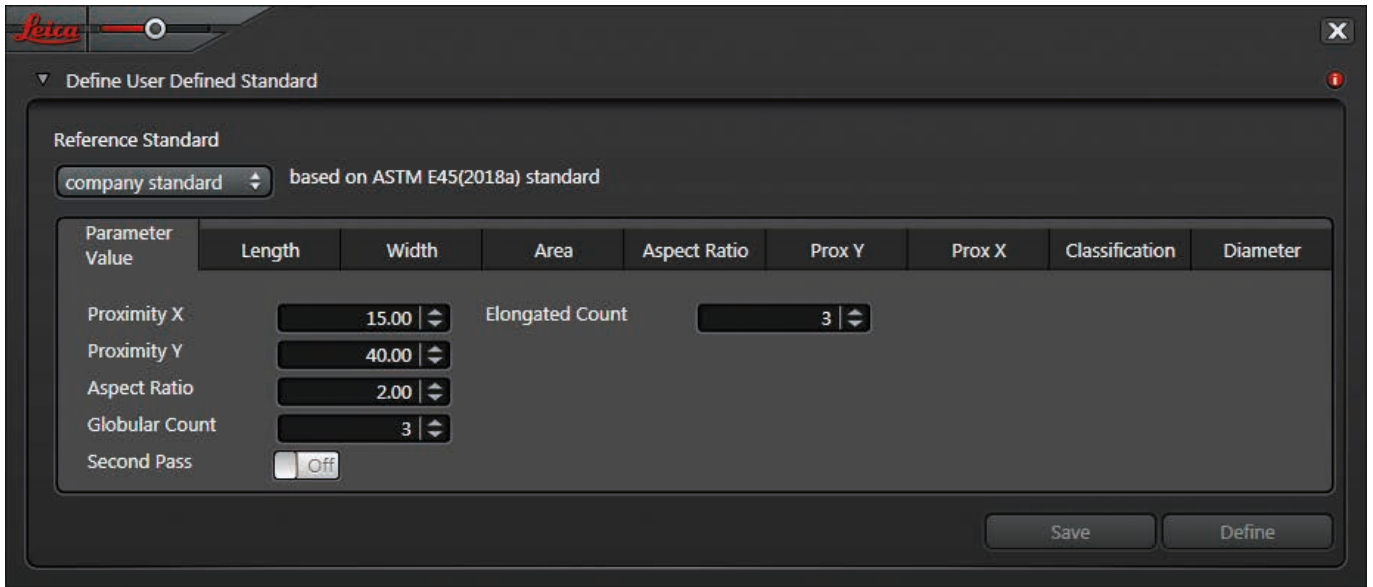


Steel standards		
International:	Regional:	
> ISO 4967	> DIN 50602	> JIS G0555
> EN 10247	> GB/T 10561	> KSD 0204
> ASTM E45	> IS 4163	> SEP 1571

Go quickly from overview to detailed view

Perform detailed examination of multiple non-metallic inclusions in less time with the Dual Viewer. Simultaneously get an overview of a sample area plus a detailed view of regions of interest with inclusions using the Dual Viewer. It helps you to optimize your non-metallic inclusion analysis even for difficult cases.





Stay flexible and up-to-date

The LAS X Steel Expert software is a flexible inclusion rating solution. You can license specific international or regional steel standards, implement new ones, or make updates and changes to current ones with ease. You can also create custom-defined standards so you can perform analyses in accordance with organizational norms and processes.

LAS X Steel Expert software is used in various fields



Automotive / Transport



Metal Working

Your benefits

- > Optimized workflow with a smart, intuitive user interface
- > Save time analyzing inclusion details with the Dual Viewer: It simultaneously displays a detailed view and overview of the sample and inclusions
- > Easily create user-defined inclusion rating standards to customize the analysis to organizational norms and processes, and quickly update any official standard changes



Foundries



Construction

SELECT THE CONFIGURATION THAT BEST FITS YOUR NEEDS

For rating the non-metallic inclusions in steel, Leica Microsystems offers different customizable microscopy solutions: The LAS X Steel Expert software in combination with a DM6 M, DM4 M, DM2700 M or DMi8 M / C / A microscopes. Examples of a manual and automated analysis solution are shown below.



FOR MANUAL ROUTINE INSPECTION: The DM4 M manual encoded routine inspection system

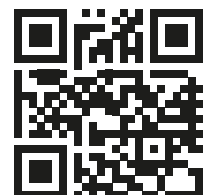
- > Manual 2-gear focus drive
- > Encoded 6-fold or 7-fold objective nosepiece
- > Manual 3-plate stage, ergonomically placed and with programmable buttons
- > Illumination Manager
- > Contrast Manager
- > LED illumination for all contrast modes
- > Contrast modes: Brightfield, Darkfield, Differential Interference Contrast (DIC), Polarization, and Fluorescence
- > Leica Application Suite (LAS) X software



FOR AUTOMATED MATERIALS ANALYSIS: The DMi8 A automated inspection system for high accuracy and reproducibility

- > Motorized or 3-gear focus drive with focus stop and torque adjustment
- > 6-fold M32 motorized, 6-fold M32 encoded, 6-fold M25 motorized or 6-fold M25 encoded objective turret
- > 6-fold reflector turret motorized, 2-fold reflector turret encoded, 6-fold reflector turret encoded, 6-fold reflector turret not encoded
- > Exclusive manual or motorized UC-3D illumination
- > Contrasting techniques: Brightfield, Polarization, Fluorescence, and Differential Interference Contrast (DIC)
- > LED illumination for all contrast modes
- > Illumination and contrast management (diaphragm module)
- > Leica Application Suite (LAS) X software

CONNECT
WITH US!



Leica Microsystems CMS GmbH · Ernst-Leitz-Strasse 17–37 · D-35578 Wetzlar (Germany)
T +49 6441 29-0 · F +49 6441 29-2599

www.leica-microsystems.com