



YieldPro™ — Advanced 3D Visualisation for Crystal Inspection

Render crystal defects in 3D:
from optical & acoustic scanners

Classify defects by
size & morphology

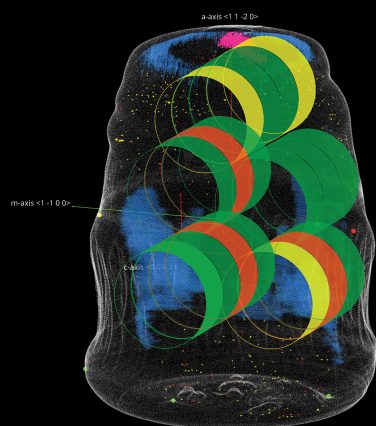
Build optimal coring plans:
manual or automated

Predict end-item quality
& reduce rejections

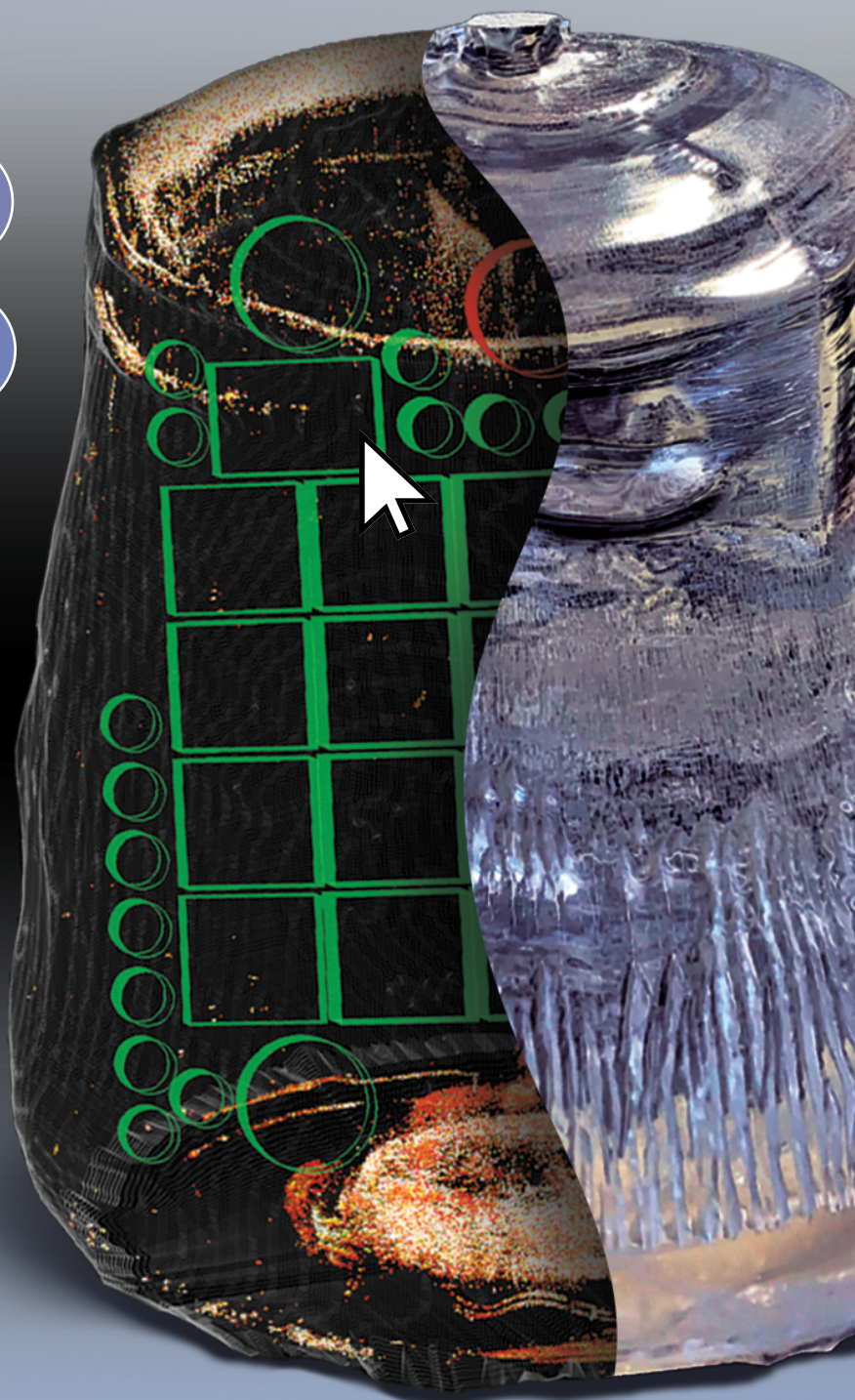
Auto-generate CNC code
for processing equipment

Share 3D models &
PDF reports instantly

Defects



3D View

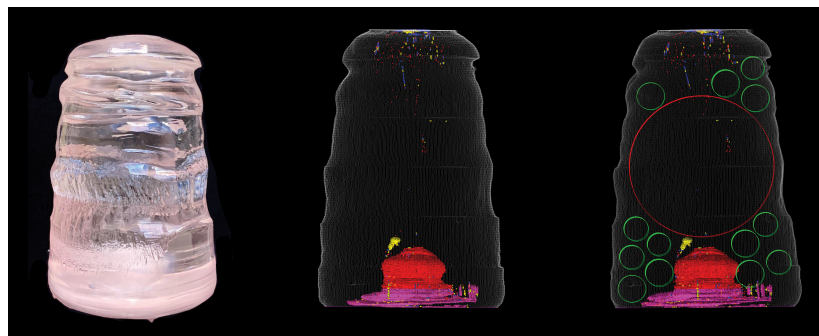


Interface languages:

English | Français | Deutsch | 简体中文

<https://scientificvisual.ch/software>

HOW IT WORKS



Non-processed
crystal

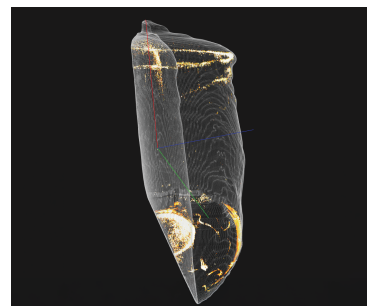
3D scan
(shape+volume
defects)

Coring plan for
maximum yield

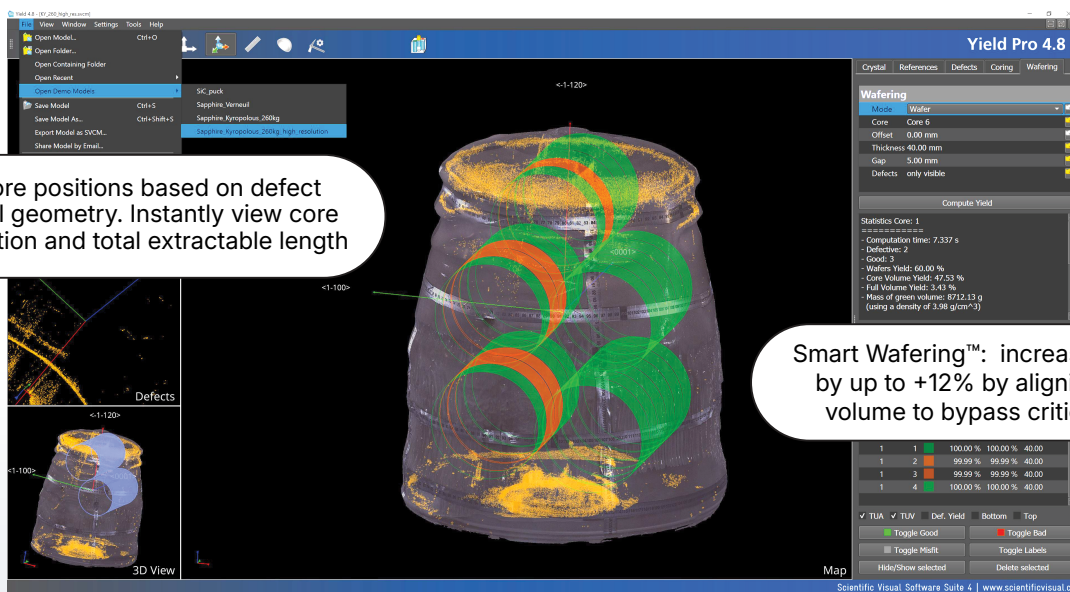
3D SLICING



Want to see a section of a defect in the middle? Simply move the clipping plane, or select and hide any 3D region. Free-draw selection supported.



3D VISUALISATION OF CRYSTAL SCAN



Optimized core positions based on defect maps & crystal geometry. Instantly view core length per position and total extractable length

Smart Wafering™: increase wafer yield by up to +12% by aligning the core volume to bypass critical defects

GENERATING CNC INSTRUCTIONS

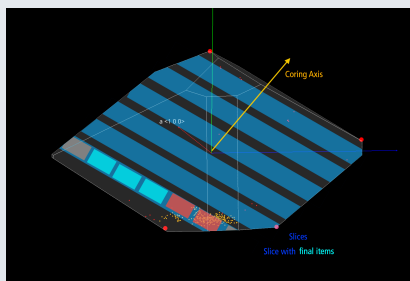


When coring plan is complete, YieldPro™ generates G-code instructions to perform automatic coring.

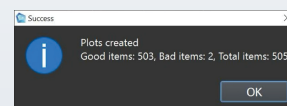


The code incorporates Day and Night shifts, separating less critical operations from those requiring human supervision.

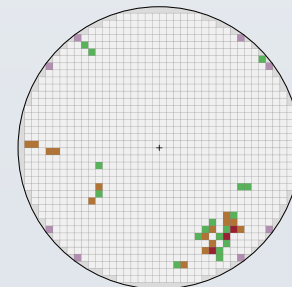
DEFECT-DRIVEN OPTIMIZATION OF SLICING & DICING



Slice along the crystal axis or any custom direction....



Quickly assess end-item yield for each crystal in your stock...



...all the way down to final dies.

LICENSING AND SUPPORT

- Annual subscription or one-time purchase
- Per-seat or corporate license
- Included with Scientific Visual scanners
- Online onboarding & hotline support

CONTACT US FOR A DEMO

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