



YieldPro™ – Advanced 3D Visualisation for Crystal Inspection

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

Classify defects by
size & morphology

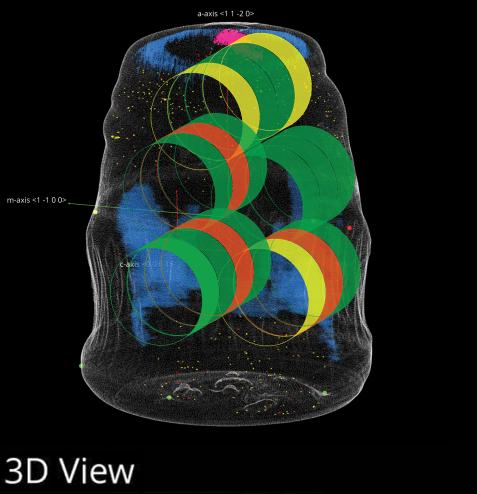
Build optimal coring plans:
manual or automated

Predict end-item quality
& reduce rejections

Auto-generate CNC code
for processing equipment

Share 3D models &
PDF reports instantly

Defects

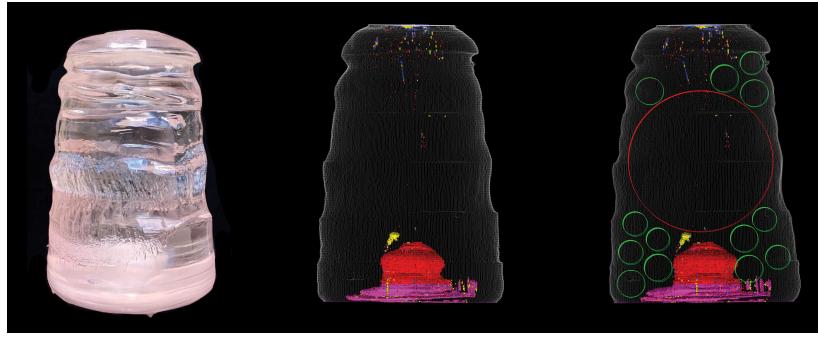


Interface languages:
English | Français | Deutsch | 简体中文

<https://scientificvisual.ch/software>

3D View

HOW IT WORKS



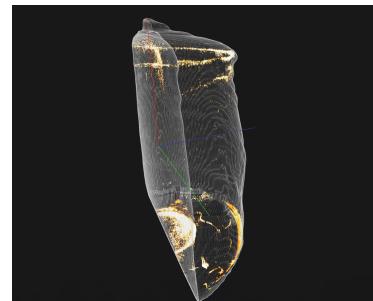
Non-processed crystal

3D scan (shape+volume defects)

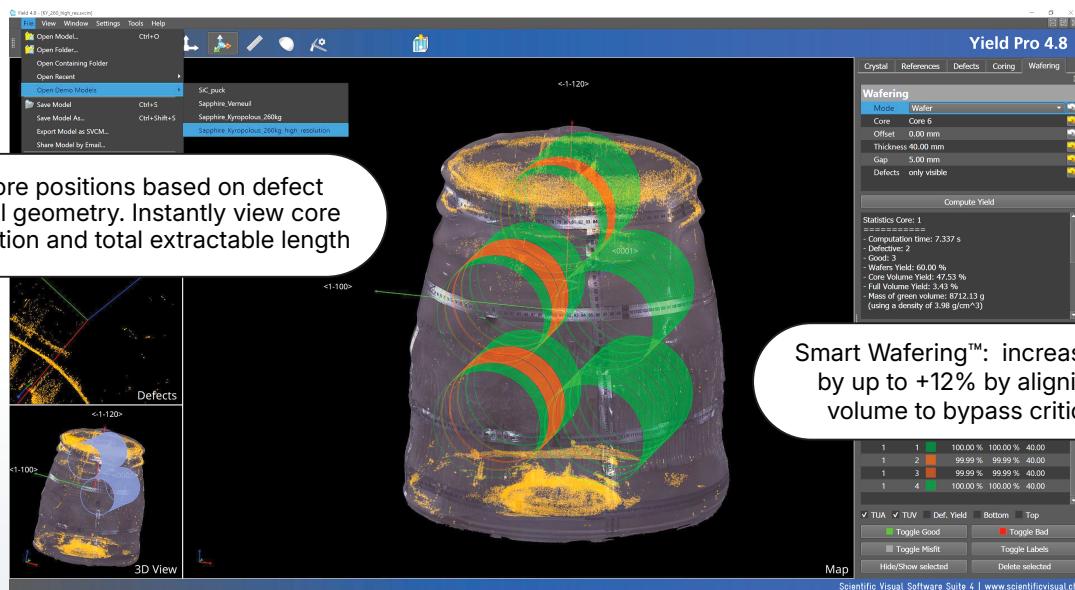
Coring plan for maximum yield

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

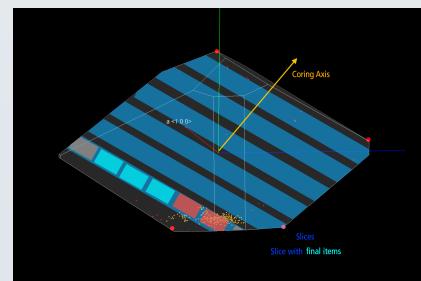


When coring plan is complete, YieldPro™ generates G-code instructions to perform automatic coring.

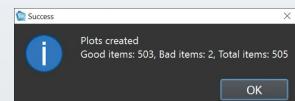


The code incorporates Day and Night shifts, separating less critical operations from those requiring human supervision.

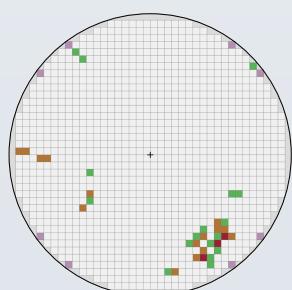
DEFECT-DRIVEN OPTIMIZATION OF SLICING & DICING



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

Frédéric Falise
Scientific Visual SA
+41 79 125 64 47
welcome@scientificvisual.ch