

METROTOM

WHAT WE DO

Solve Problems

Analyze interior
& exterior
geometries

Useful & high-quality data for
your manufactured parts.



Nel Pretech Corporation is a
3D & CT scanning laboratory
with value-add
engineering & metrology services.

ISO/IEC 17025:2017
accredited by A2LA



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INDUSTRIAL CT SCANS

seeing is
better than
believing





NEL PRETECH CORPORATION

3P's

Get accurate data backed by **PEOPLE** who are subject matter experts,
a **PROCESS** with proven measurement uncertainty,
& a **PLATFORM** of top-performing technology

- Identify voids or porosity
- Finite element analysis simulations
- Check for failures or assembly accuracy
- Wall thickness analysis
- Volume studies
- Capability studies
- Optimize processes
- Analyze materials
- Dimensional reports



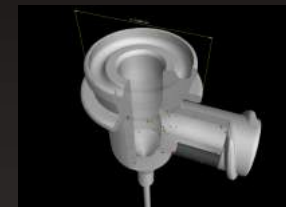
GET TO MARKET

2X FASTER

with x-ray computed tomography
by Nel PreTech



SOLVE PROBLEMS IN MINUTES WITH ONE SINGLE SCAN



Luer Porosity & Measurement



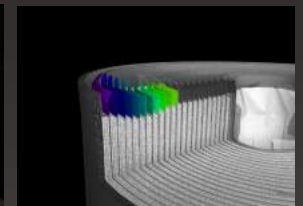
3D Gray Value Analysis Colorized

ZEISS METROTOM 1500 (225KV)

- Maximum Part Size:
Cylindrical volume up to 615 mm & max height 800 mm OR up to 330 mm diameter x 870 mm tall
- Area of interest resolution: 7 microns
- Accuracy: $\pm 11 + 24.0 \cdot L$ microns



Metrotom 1500



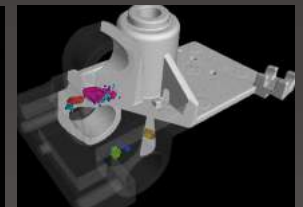
3D Scan Battery Cell

ZEISS METROTOM 800 (130 KV)

- Max part size:
Cylindrical volume up to 275 mm & max height 360 mm
- Area of interest resolution: 3.5 microns
- Accuracy: $\pm 9.7 + 12.0 \cdot L$ microns



Metrotom 800



Porosity Analysis