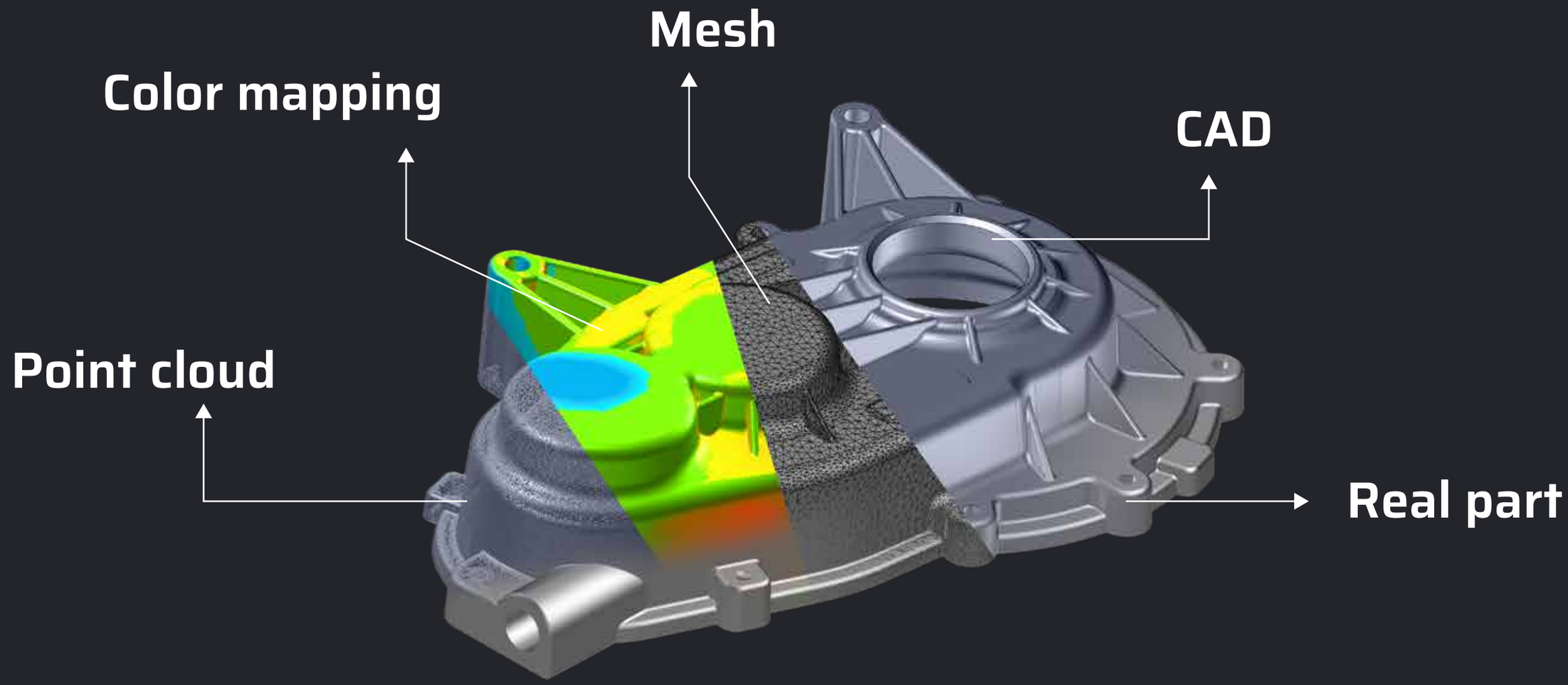
HOW 3D SCANNING BOOSTS ROI IN CASTING MANUFACTURING

1 Digitalise any casting part

3D scanning quickly replicates any component into a precise 3D model regardless of:

- Compact or oversized parts
- A wide range of materials and surface finishes
- Shapes, from basic to freeform or detailed structures



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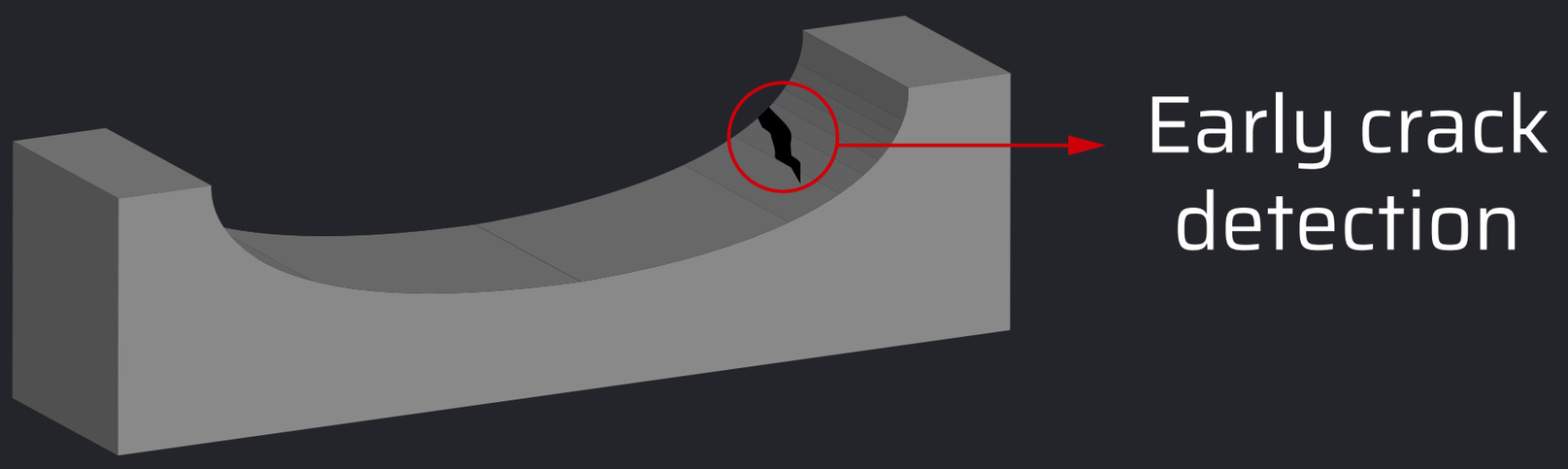
2 Detect early defects with 3D scanning

At various stages during casting manufacturing, certain defects are inevitable, including:

- Surface deterioration (cracking, decarburisation) from sand molding
- Shrinkage porosity can occur during moding procedures
- Deformations can appear during quenching and tempering

3D scanning detects these anomalies, reduces part rejections, ensures quality standards, and leads to higher client satisfaction.



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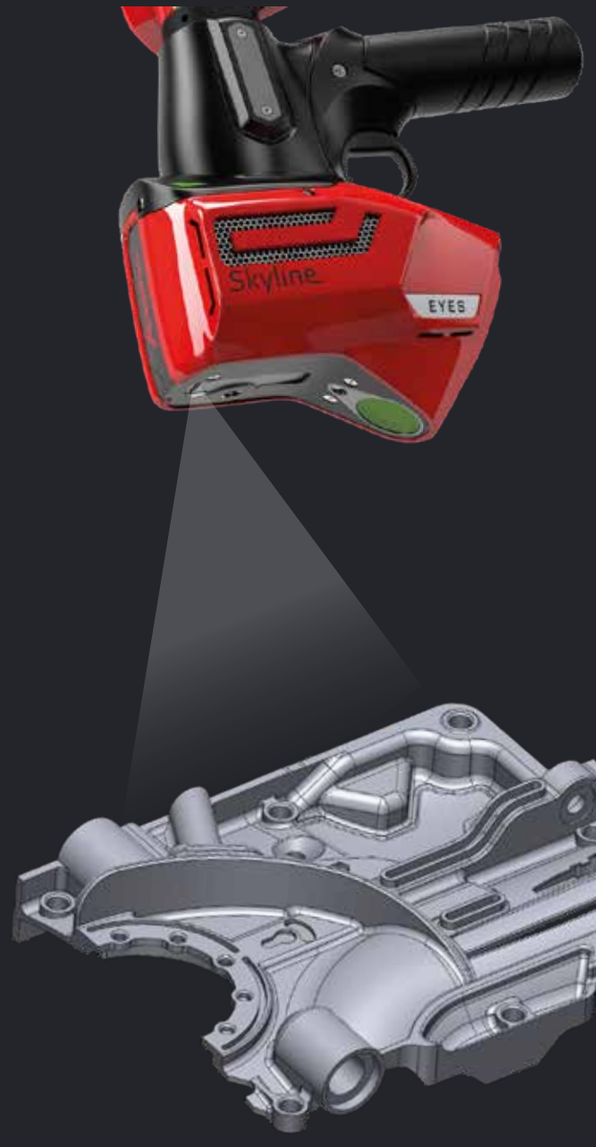
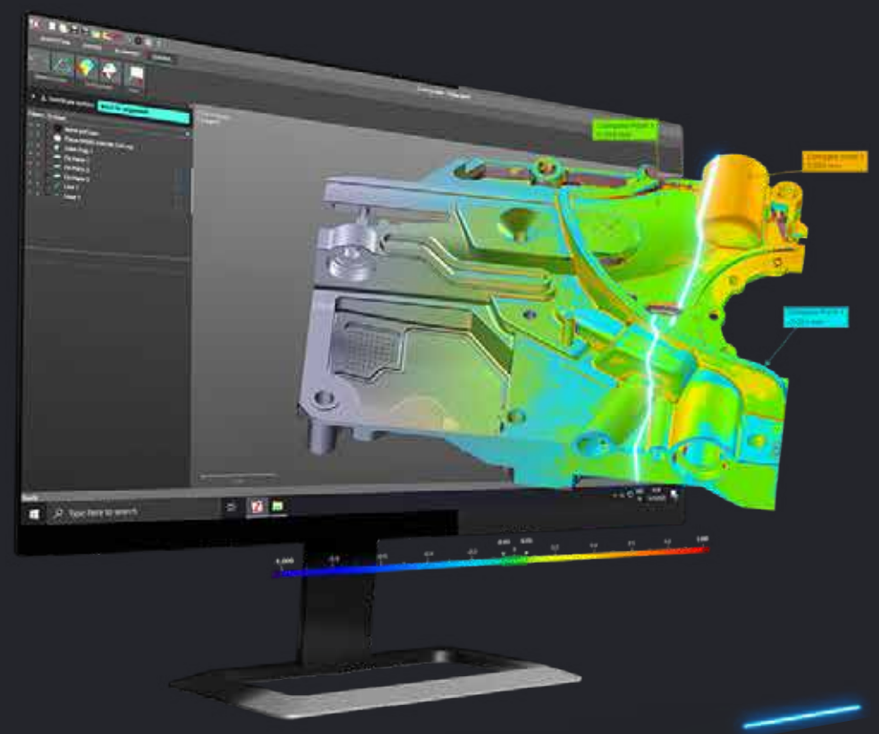
3 Lower inventory holding costs

Rarely used molds and prototypes consume space and cost. 3D scanning replaces them with digital models, an efficient and cost-effective solution.

- Build a digital library of parts, even in large volumes, helps to reduce physical inventory
- Better utilisation of capital expenditure



SCAN TO CAD



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4 Industrial quality control compliance

An advanced 3D scanner captures high-precision point cloud data of geometric dimensions and tolerances within seconds, enabling:

- Precise tolerance verification
- Enhanced workflow for quality control teams
- Quick time-to-market

DISCOVER ADVANCED 3D MEASUREMENT SOLUTIONS FOR QUALITY ASSURANCE

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