



Enhanced Industrial Machine Vision

POWERED BY SYNTHETIC DATA.



Founder Team



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PhD in 3D measurement
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Sightwise In Short

At Sightwise, we ...



Design quality
inspection systems



Generate synthetic training
data from CAD files



Train AI algorithms for
defect detection



Enable data analytics
and predictive quality

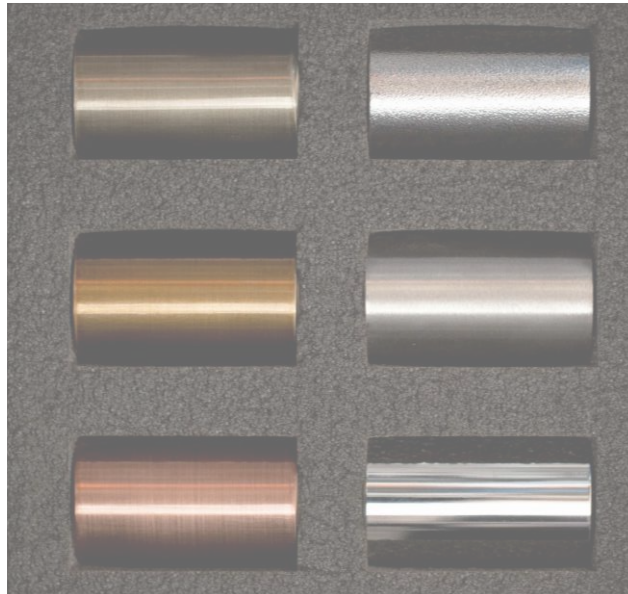


Applications

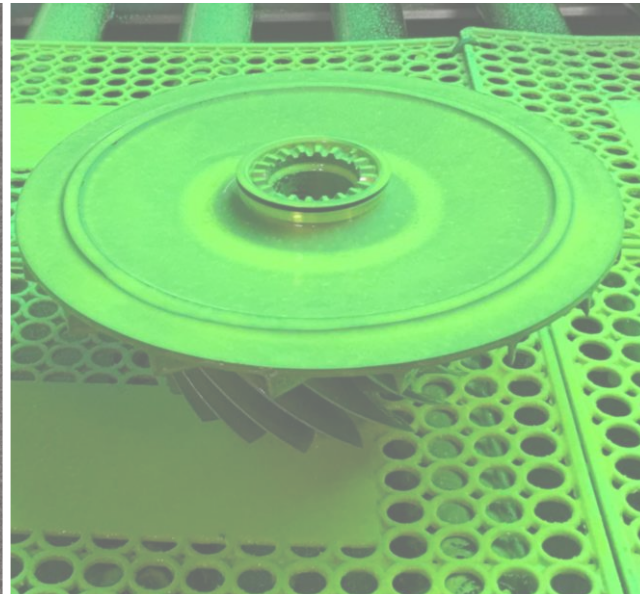
Forging



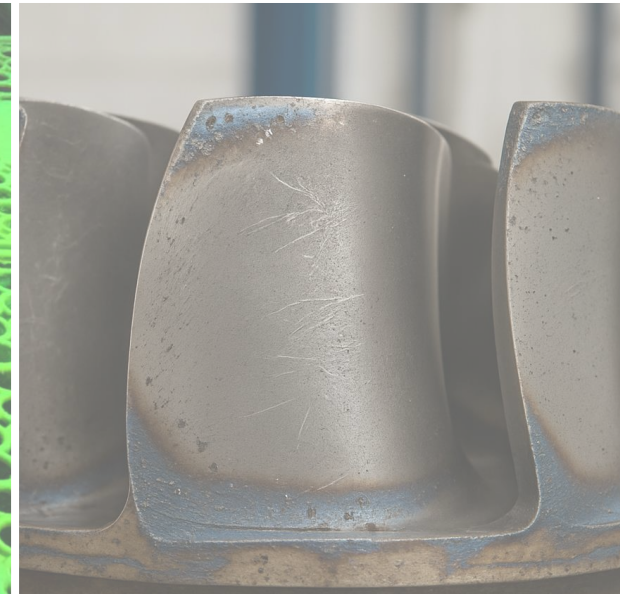
Coating



Dye PT/ LPI



MRO



Motivation: Challenges With Manual Inspection.



Expensive



Slow



Subjective



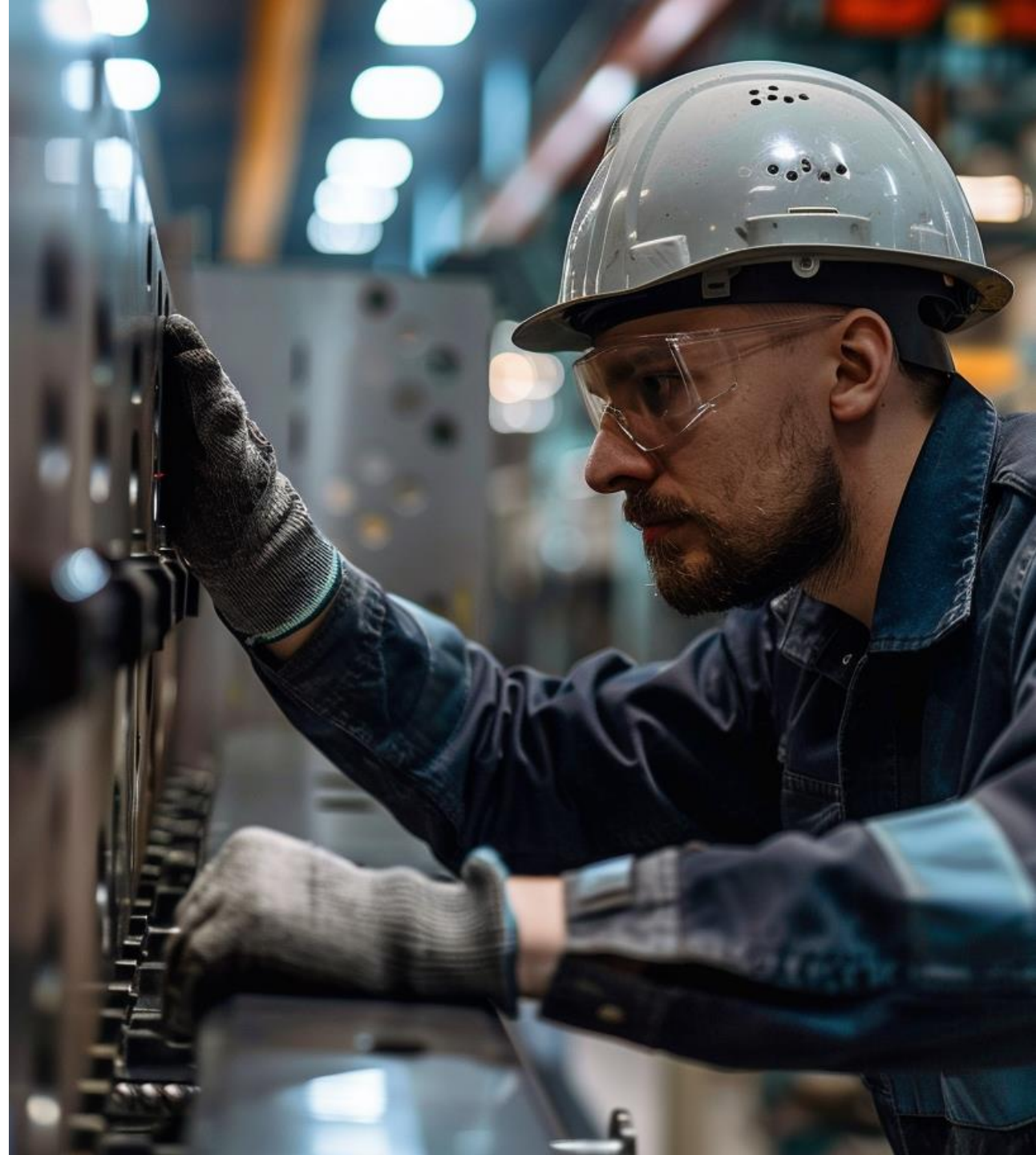
Error-prone



Workforce availability



Results can not be saved and analyzed

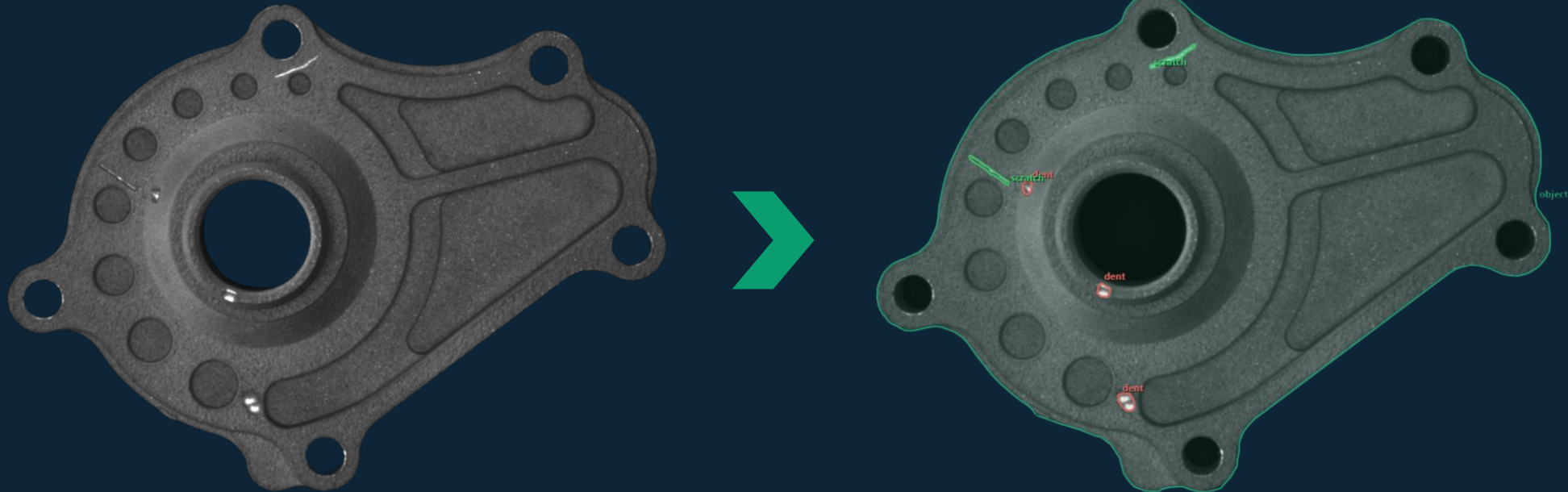




Motivation

75% Of Manufacturers
Struggle To Enhance Production With AI.

#1 obstacle: availability of
high-quality training data.



Source: Manufacturing Leadership Journal 08/2024

Solution



From **CAD to AI** in days.
For any product.



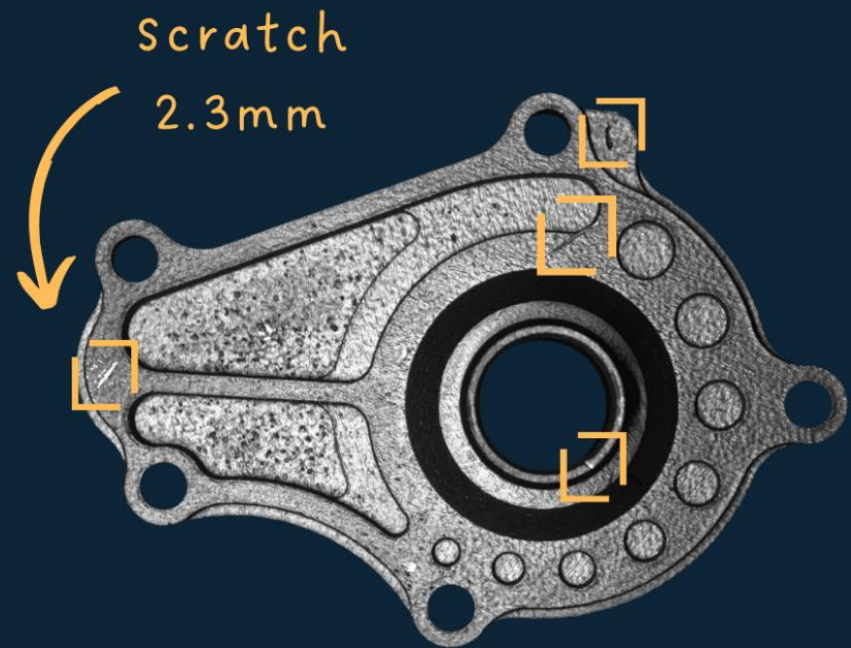
3D Object
(CAD)



Synthetic
Data

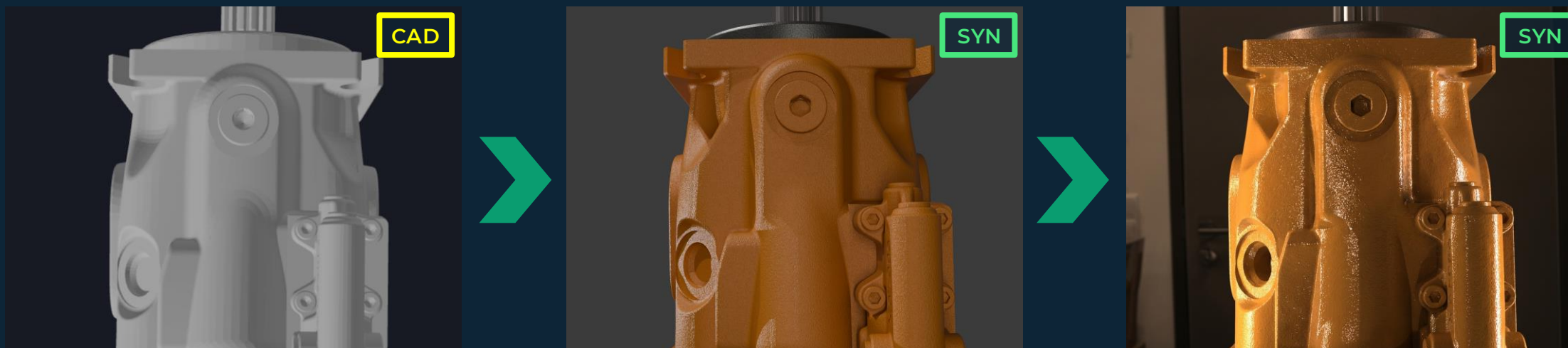


AI
Model



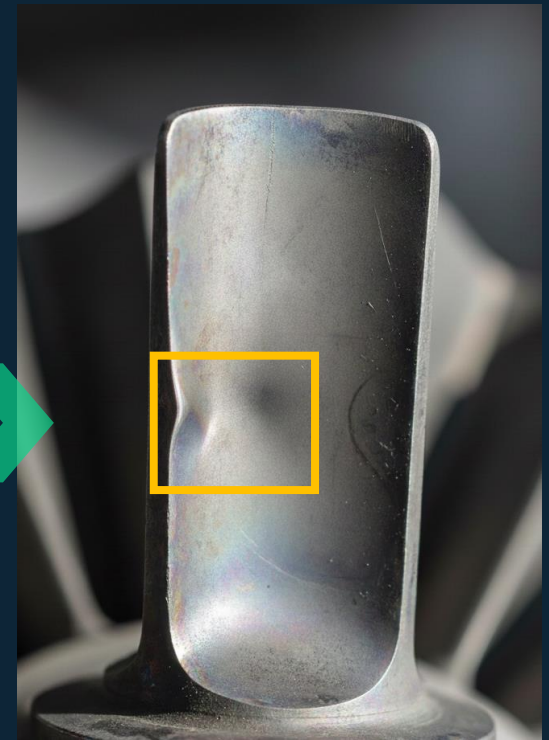
Fully Automated
Surface Inspection

Synthetic Data



Generate realistic images from 3D models

Synthetic Data



New part

Used part

Crack

Dent

Key Benefits



Peak Performance

Robust detection even of rare defects with up to 16 % performance increase.



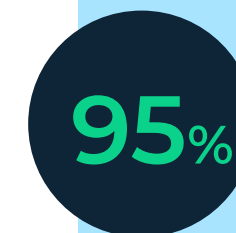
Productivity

Create tailored machine vision applications in days instead of weeks or months.



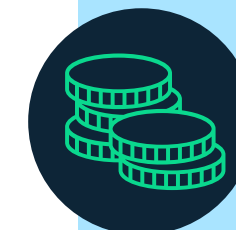
Time-to-Value

Have the inspection system in place even before the first part is being produced.



Economic Impact

Automate and objectify inspection tasks that previously relied on manual labor.





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