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dataprophet

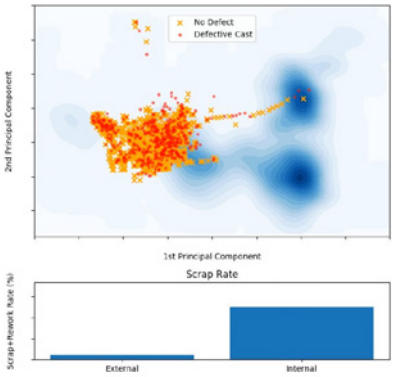
OMNI Product Sheet

OMNI, a product developed by DataProphet, is able to reduce previously unforeseeable costs in the manufacturing industry using only your process data. Currently implemented at multiple sites globally, client reports have shown that they have not shipped a defective part since its implementation, resulting in a saving of $400,000/month.

Using state of the art predictive and prescriptive Machine Learning, OMNI is able to predict undesirable elements whether they be defects, faults or any quality criteria and then identify ideal process variables to move the process into a higher yield region.

Prescriptive

OMNI|prescriptive used to understand how key process variables differ as a function of yield regions and thus optimize the process by selecting a desirable operating region to maximise yield.



Predictive

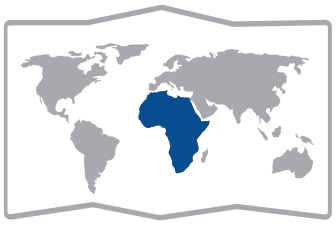
OMNI|predictive identifies the ideal threshold between defect prediction confidence and cost saving to maximise monetary gain without any process changes!

$400,000
MONTHLY SAVINGS

0% DEFECTS
ON SHIPMENT

In a process where traditionally defects arise through no operational fault, predictive machine learning can reduce otherwise unforseeable costs due to scrap and rework.

Largest Foundry In Africa



OMNI Vision

OMNI|vision is a computer vision model to complete Quality Control visual inspections tasks. This is an automated system that uses region based convolutional neural networks to detect surface defects with the consistency and accuracy of the most effective and thorough human inspection efforts, every time on every product.

CREATING THE FACTORY OF THE FUTURE

"It all makes sense. I am just amazed at the difference small process variation makes. But all the 'directions' of the variation that gives better results makes sense and matches theory."
- CEO, Manufacturing Client

REDUCE EXTERNAL SCRAP TO:

0%

A WORLD FIRST IN THE MANUFACTURING INDUSTRY