

A long-exposure photograph of a multi-lane highway at night. The image shows numerous light trails from vehicles, with blue and white trails on the left side of the road and orange and yellow trails on the right side. The road curves into the distance under a dark sky. The text "VIZS . AI" is overlaid in the center of the image.

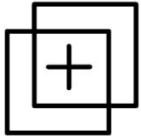
VIZS . AI

Next-Generation Vision Controls

Problem



Most of the production lines in 2023 use aging & inefficient methods to verify quality of a product.



Current vision systems compare pixels to pixels.



No real-time interpretation of the result.



Solution



Vizs . ai : a fast & efficient solution for quality and control.



Reducing downtime.

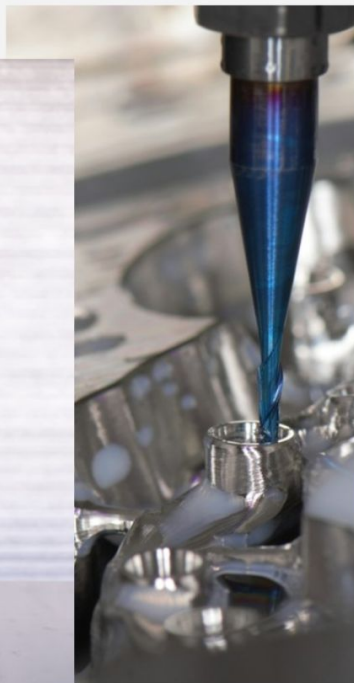


Latest AI technology.

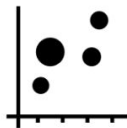


Optimized solutions.

How it Works



The client must have a high-frequency production line.

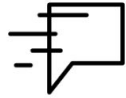


We gather datapoints.



Crate solution customized for quality and control.

Key Differentiators



Fast Interpretation

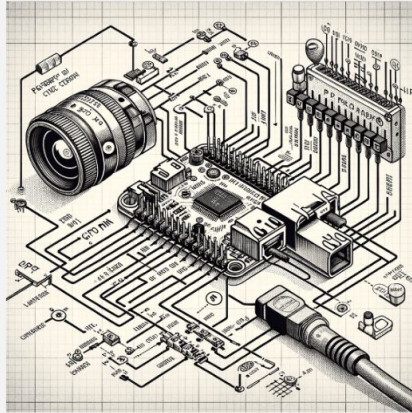


High Tech Solution



Optimized Detection

Product



Our product is a vision system.

Trained on client's data.

Output to a PLC unit for control

Use Cases



Quality control for high frequency bottle filling.



Identifying weld defects



No barcode sorting



Automation

User Benefits



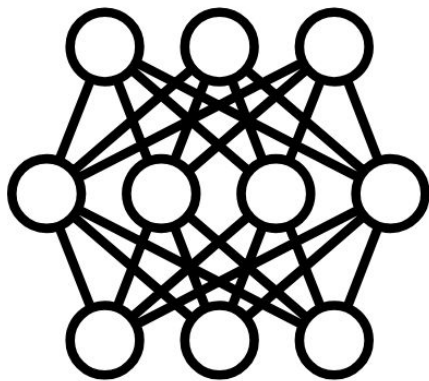
Clients don't have to stop the line.



Clients can keep up with lean manufacturing and achieve just-in-time production goals.



Clients don't have to compromise on quality.



Technology



State of the Art Neural
Network



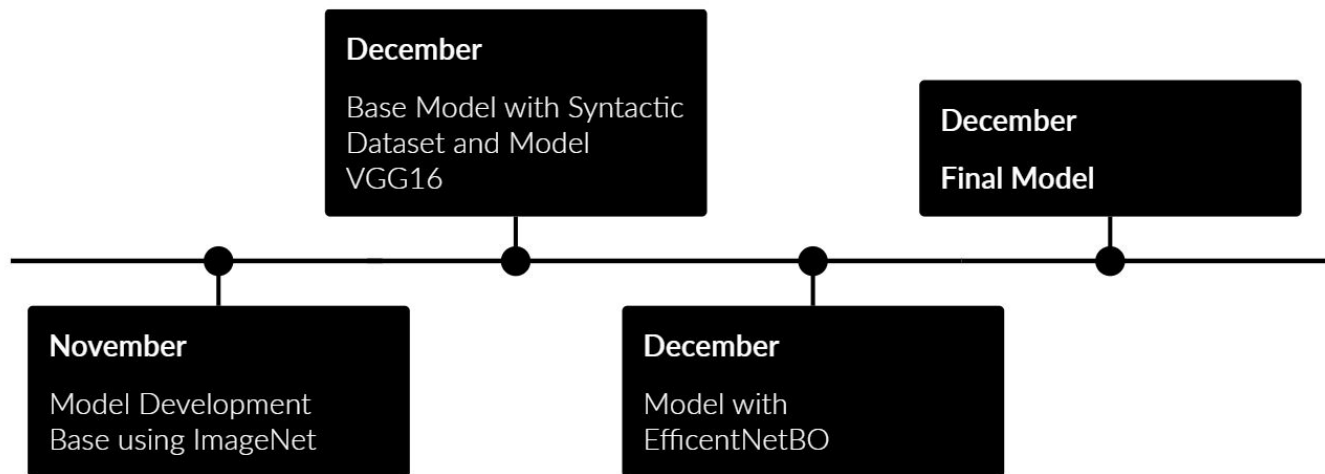
Transfer learning from large
object detection architecture.



Improvement over time.

Model

Progress to Date



Base Model Evaluation

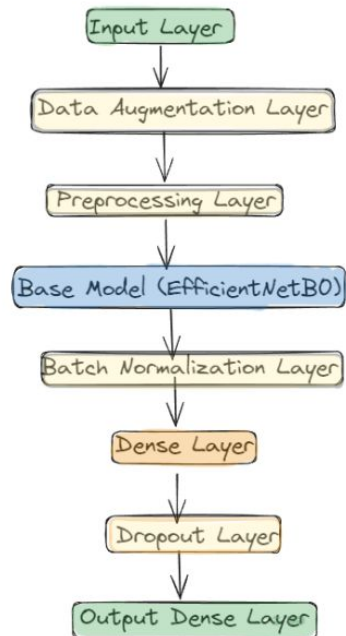
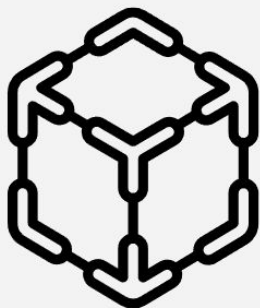
With 5 Classes

1. Plastic Bottles
2. Beer Bottles
3. Soda Bottles
4. Water Bottles
5. Wine Bottles

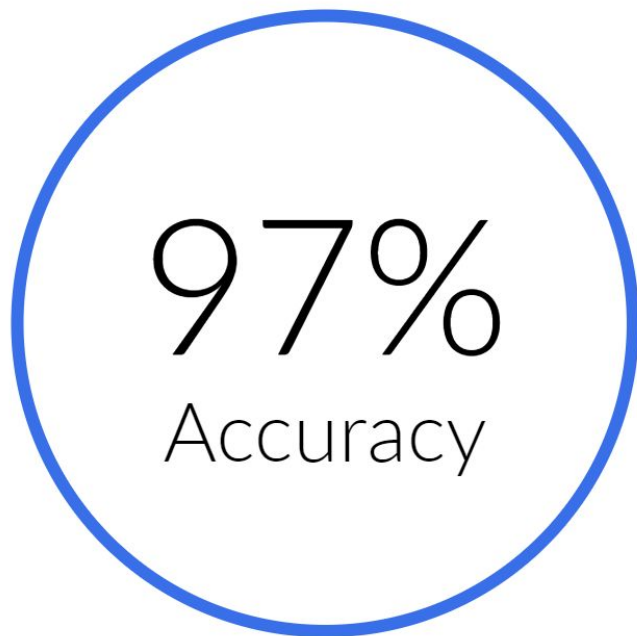
accuracy: 19.92%



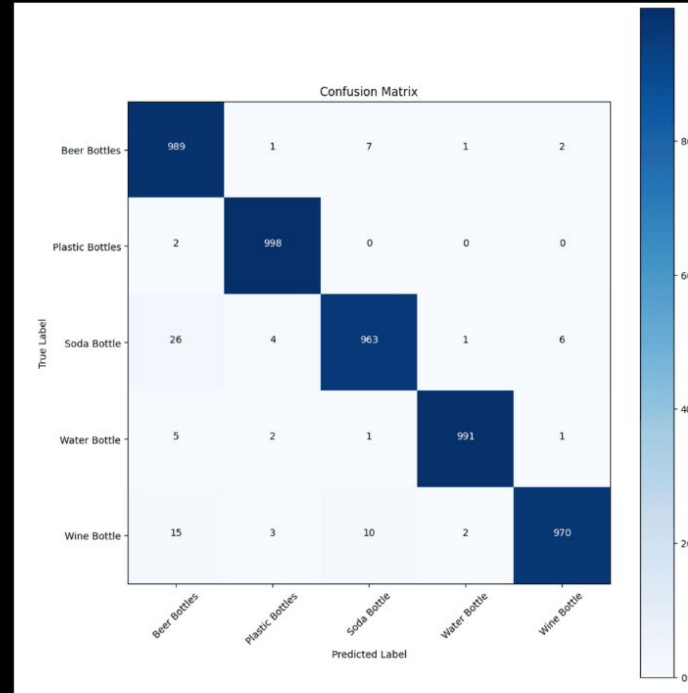
An Overview of the model Architecture.



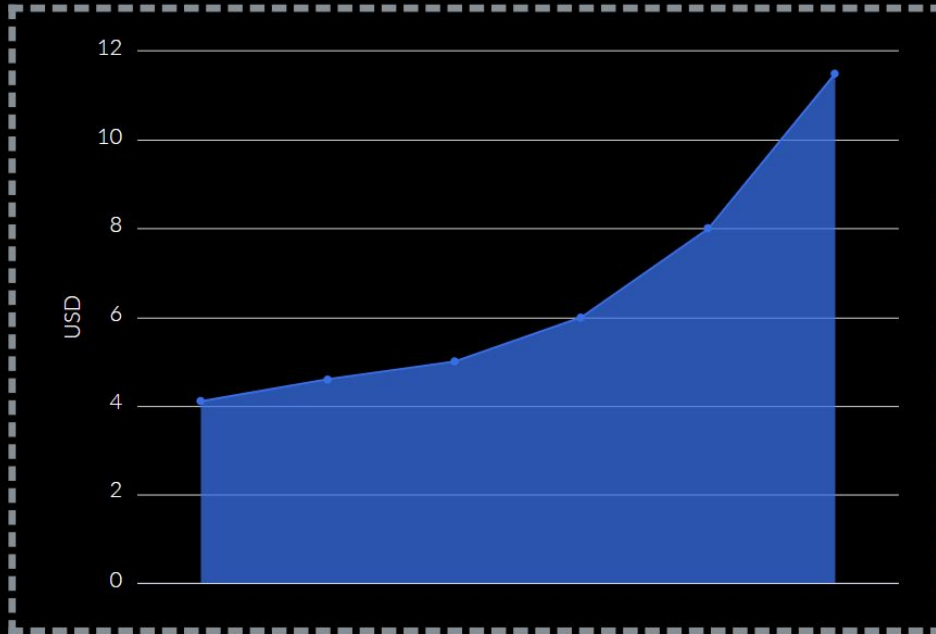
Model Evaluation



Confusion Matrix



Market Size



Pharmaceutical Quality Control Market size was valued at USD 4.1 Billion in 2022.

The market is projected to grow from USD 4.6 Billion in 2023 to USD 11.5 Billion by 2032.

For more details:

<https://www.marketresearchfuture.com/reports/pharmaceutical-quality-control-market-9711>

Looking Forward

Potential Outcomes



Best-Case Scenario

Becomes market leader,
\$2B+ in
yearly revenue



Realistic Success Scenario

Gets 5% of the top 5
Pharmaceutical Companies.
Generates 20-30M+ per
year profit



Worst-Case Scenario

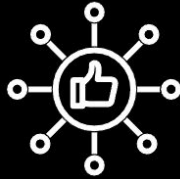
Remains a 1 customer
company. Time-saver for
Ontario-based
Manufacturing
Companies.

Go-To Market plan



Referral

B2B customer referral



Virality

Become the ubiquitous
“premium vision system”
provider



Thank You!

Tim and Rowan for all the
support, encouragement,
and of course the
knowledge.

