

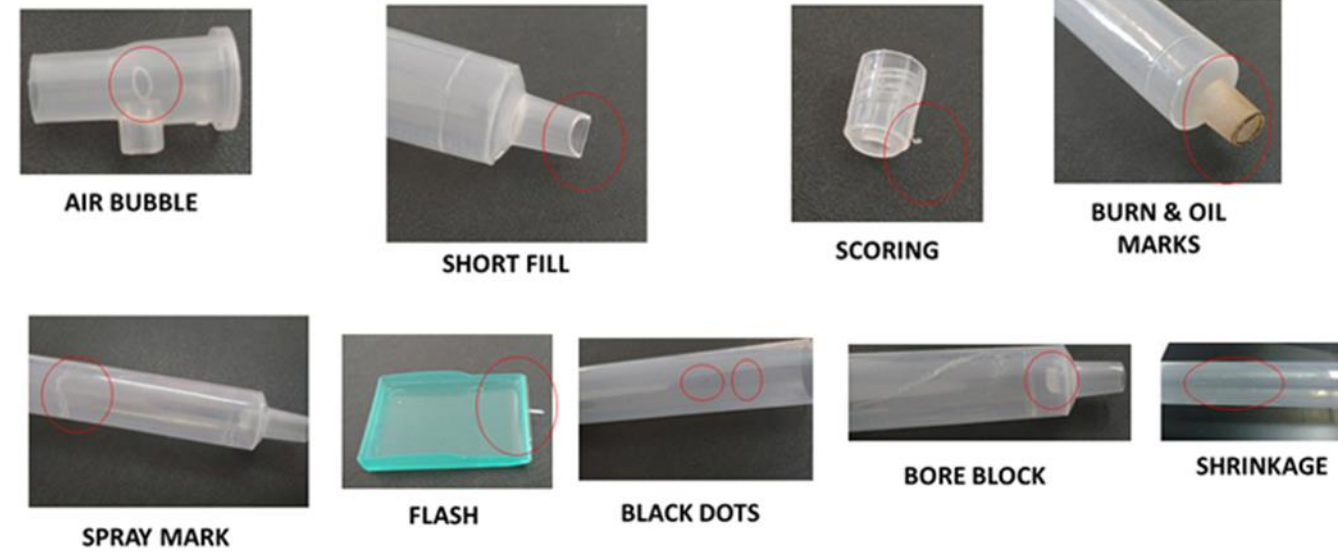
Job to be done

When MAP Plastics Pte Ltd wants to *reduce reliance on human labour*, *increase QC accuracy* while maintaining *flexible production*, they need an *automated inspection process capable of handling all their products*.



PROBLEM

INJECTION MOLDING DEFECTS



Many products, many defects

- QC requires high throughput and high quality assurance
- Traditional AOI requires substantial investment into hardware dedicated for specific products and defect types



QC remains labour-intensive

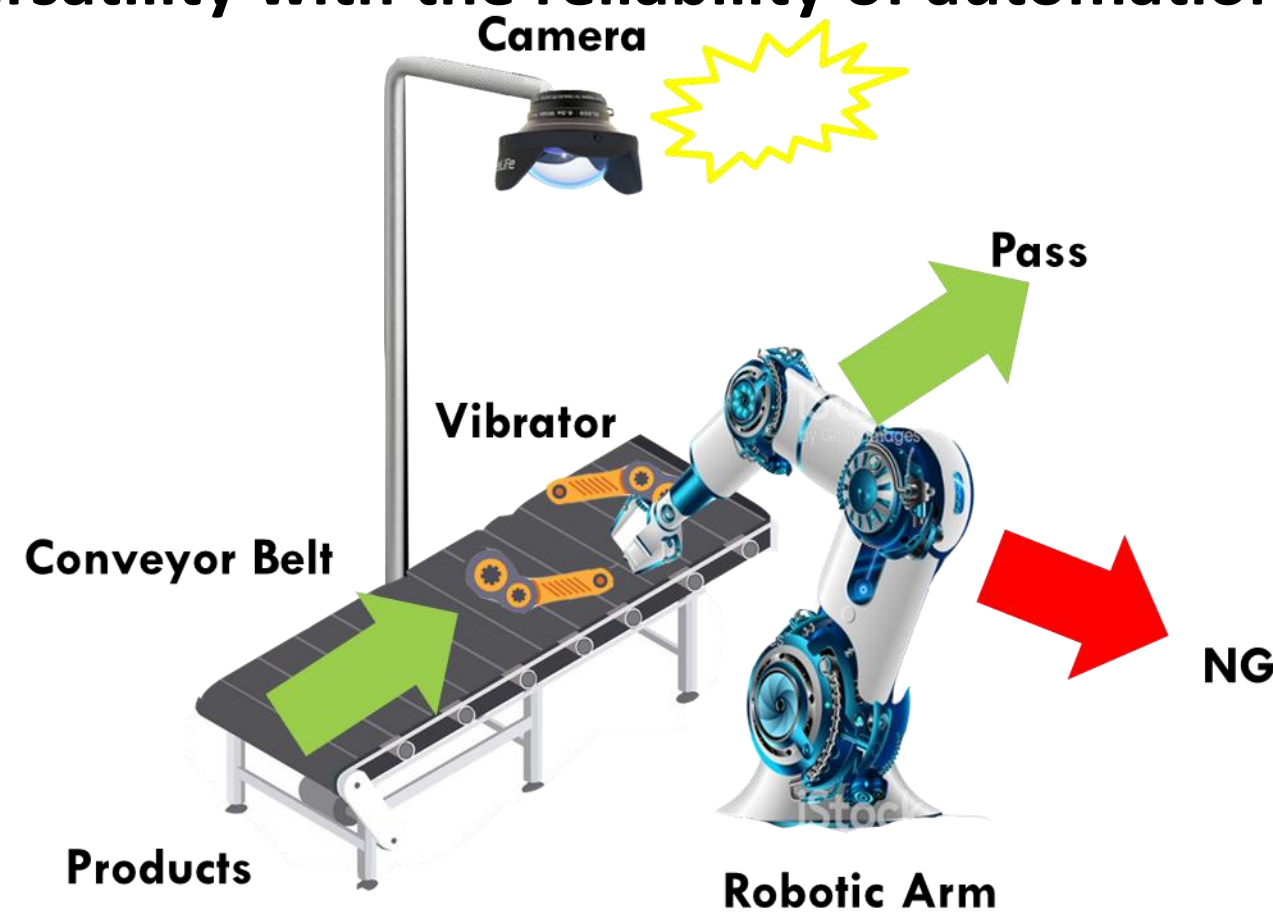
- Human browsing sorts large number of products in a parallel
- Operator recognizes different types of defects for different products purely by visual means
- Catch rates need to be improved

OUR PROPOSED SOLUTION

AI enhanced AOI for human-like versatility with the reliability of automation

Key Features

- Learning system
- Universal
- Operator-free



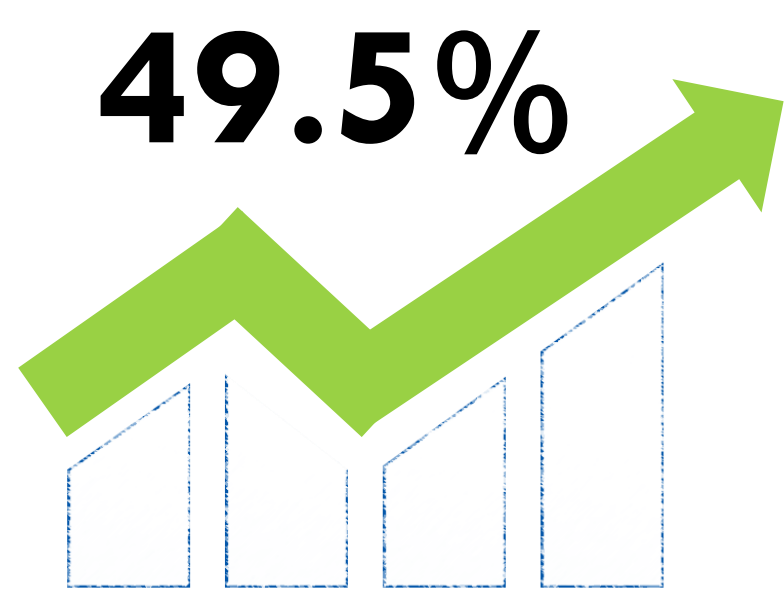
*for illustration purpose only

SOLUTION COMPARISON

	HUMAN BROWSING	AUTOMATED OPTICAL INSPECTION	AI BROWSING
Throughput	Fast	Slow	Fast
Flexibility	Can check all products	Can only check one specific product	Can check all products
Accuracy	Low, capable of finding all defects	High for specific defects	Medium, can learn to detect many defects

MARKET SIZE

In 2018-2025, the market will be **ACCELERATING** growing at a **CAGR** of:



\$17.2 Billion USD

\$1 Billion USD

2018

2025

*PRNewswire "Artificial Intelligence in Manufacturing Market by Offering- Global Forecast to 2025" Report

BUSINESS MODEL

Market Offerings

- Robotics
- Inspection technologies
- Artificial intelligence

Bespoke solutions provider: integrating multiple technologies to solve complex problems

Potential applications

- Inspection
- Automated fabrication
- Predictive maintenance
- Smart logistics

BUSINESS DEVELOPMENT PLAN

Phase 1 Year 1

- Testing with MAPP (AI Browsing)
- Implement 2 product models

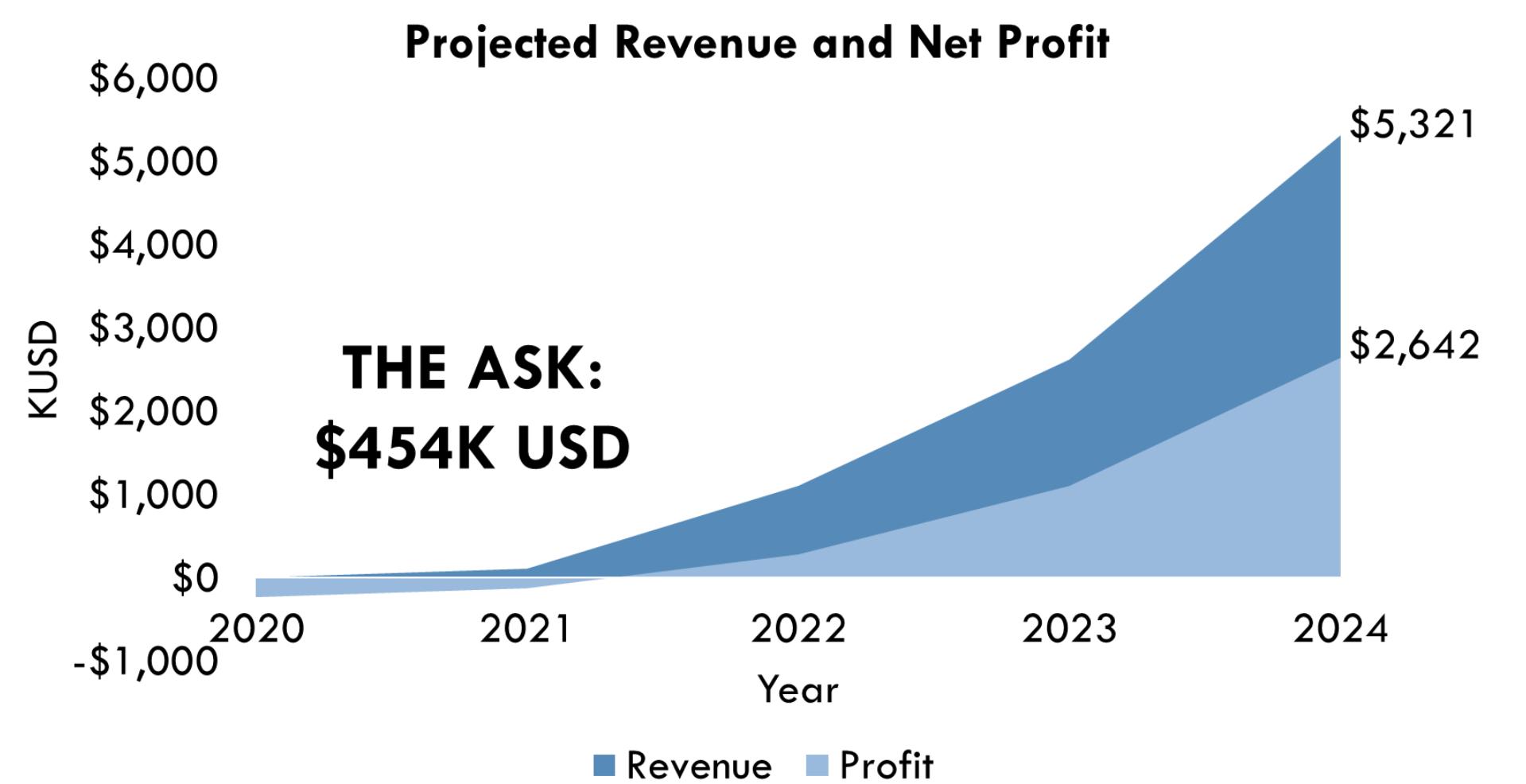
Phase 2 Year 2-3

- 10 implementations with MAPP
- Establish R&D and network

Phase 3 Year 3-5

- Diversify penetration on different market sectors

PROJECTED PROFIT



OUR TEAM



- Lee Ta Way**
- 22 years of engineering experience in manufacturing industry
 - 2 years of experience with F&B startup



- Gello Mark Vito**
- 9 years in software development and finance



- Ouyang Liu**
- 2 year experience in Computer Vision and Software Development



- Tan Yong Hao**
- PhD Candidate
 - Focus: Additive Manufacturing, Metallurgy