DIGITAL MANUFACTURING IRELAND

# Vision Accelerator

Beyond lighthouse thinking.

**Machine vision is transforming modern manufacturing by enabling faster, more consistent quality inspection and automation.**

**Automated machine vision systems can inspect products**

# up to 10× faster

**than manual inspection,**

**helping manufacturers increase throughput while improving accuracy and consistency in quality control.***

At Digital Manufacturing Ireland, we support organisations in moving beyond experimentation to practical implementation. Through expert assessment, targeted skills development, access to advanced lab facilities, and guidance from experienced specialists, we help manufacturers explore, validate, and deploy machine vision solutions with confidence. This brochure outlines the services available to support your journey — from understanding your readiness to building internal capability and testing solutions in a real manufacturing environment.



* *sciotex.com/comparing-machine-vision-vs-manual-quality-inspection/*

# The Vision Accelerator Client Journey

Helping manufacturers move from exploration to enterprise-scale machine vision deployment, identifying high-value use cases, validating solutions quickly, and scaling with confidence.

# Scalable solutions

## Overview of Vision Accelerator Offerings by DMI

### Assess

**Experience & Demo**

An on-site assessment is conducted to evaluate your organisation's current machine vision capability and overall readiness. This review examines existing systems, processes, and infrastructure to determine how prepared your operation is to adopt or expand machine vision solutions.

**Readiness Diagnostic**

A second on-site assessment focuses specifically on automation readiness. This evaluation looks at how well your systems, equipment, and connectivity infrastructure support machine vision integration and identifies any gaps that may affect implementation.

**Use Case Discovery and Prioritization**

Structured Strategy and Readiness Workshops are conducted to identify and evaluate potential machine vision use cases. This process assesses opportunities across operations, considering feasibility, impact and implementation risk. The output is a prioritised use case, selected based on its suitability as a first deployment and its potential to deliver measurable value.

### Skills Development and Enablement

**Frontline Training**

Frontline training focuses on building awareness and practical interaction with machine vision systems. Participants gain an understanding of how vision technologies work in an operational environment and how they can engage with them effectively in day-to-day activities. Additional training details will be provided as the programme develops.

**Technician Training – Setup and Troubleshooting**

Technician-level training covers the practical aspects of machine vision system setup, maintenance, and troubleshooting. This enables technical staff to support systems on the floor, diagnose issues, and maintain reliable operation. Further information about the programme will be provided.

**Technician Training – Design and Optimisation**

Advanced technician training addresses the design, optimisation, and validation of machine vision solutions. This level is intended for those responsible for developing and refining systems to ensure performance and accuracy. Additional details will follow as the curriculum is finalised.

**Go beyond lighthouse thinking; build the skills, test the technology, and deploy machine vision with confidence.**

## Lab Rental

### Collaborative Innovation with Full SME Support

Organisations can access the lab environment with full support from subject matter experts. This includes expert guidance on machine vision applications, assistance with performance optimisation, and validation support to ensure solutions are functioning effectively.

### Collaborative Innovation

A lighter support option is also available for organisations that require lab access but do not need continuous expert involvement. This option provides full access to the hardware and facilities, with limited or light-touch support when required.

## SME Support

### Hybrid On-Site and Remote Vision and Automation Expertise

Support can be delivered through a hybrid model combining on-site engagement and remote expertise. Services include design reviews of machine vision implementations and expert guidance on automation strategies and system improvements.

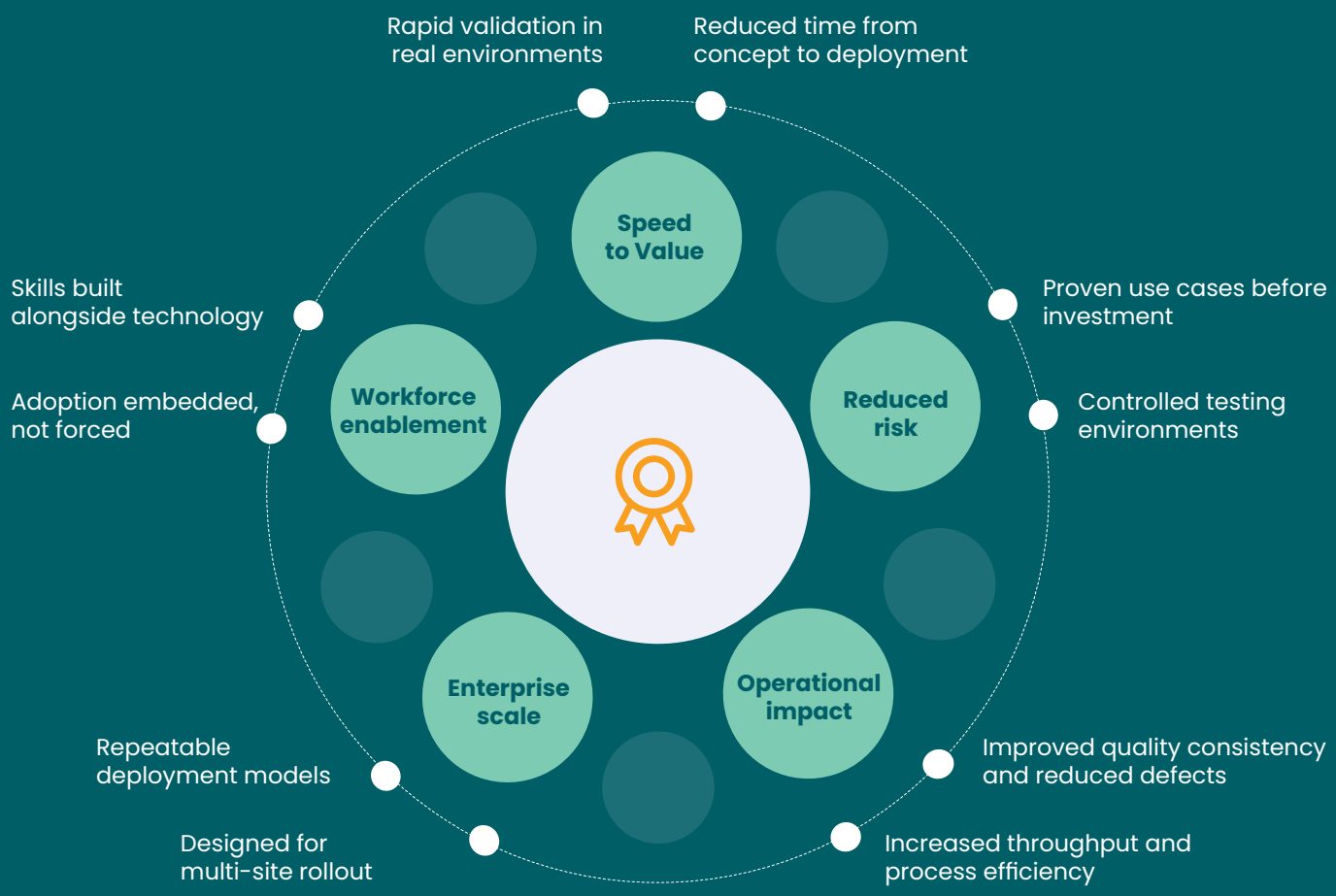
### Proof of Concept (POC) and Research

DMI delivers end-to-end proof-of-concept projects to test and demonstrate the feasibility of machine vision solutions in a controlled environment. Subject matter experst can also carry out targeted research to support innovation and technology development.

# From pilot success to enterprise impact

Machine vision delivers value beyond inspection: improving performance, reducing risk, and strengthening workforce capability.

**The Vision Accelerator enables organisations to realise these benefits at scale, moving from isolated success to sustained operational impact.**



# Accelerate your machine vision journey

## From first exploration to enterprise-wide deployment.

Digital Manufacturing Ireland works with manufacturers to turn machine vision potential into real operational capability. Through our Vision Accelerator framework, expert support, and advanced lab facilities, organisations can identify high-value use cases, validate solutions quickly, and scale innovation confidently across their operations.

### Get in touch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From vision to velocity.

# Beyond lighthouse thinking.

DIGITAL
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# Driving the future of manufacturing

Empowering industry leaders with cutting-edge automation, human-centric solutions, and world-class research to shape the factory of the future.