

Company Overview

C-matik is a Greater Manchester-based engineering startup specialising in the mechanical design and construction of automated machinery. As Director and Principal Design Engineer, I bring nearly a decade of hands-on experience delivering industrial automation for blue-chip clients in the automotive and food sectors. C-matik bridges the gap between physical machine building and digital control to deliver complete, turnkey automation solutions — from initial concept through to commissioning on the factory floor.

Core Capabilities & Smart Integration

01 Bespoke & Standard Machine Design

End-to-end engineering of automated production lines — from concept feasibility and 3D mechanical design through to detailed manufacturing drawings and build supervision.

02 Advanced Sensor Integration

Precision detection and positioning using inductive proximity, laser distance, and vision-based sensors, enabling reliable, repeatable automated processes.

03 Pneumatic Systems

Design and integration of complex pneumatic valve islands and multi-cylinder systems for high-speed manufacturing and material handling applications.

04 Human-Machine Interface (HMI)

User-friendly HMI screens for rapid machine setup, real-time parameter adjustment, and live production monitoring — reducing reliance on specialist operators.

05 Legacy System Upgrades

Specialist retrofitting services that transform existing manual equipment into smart, connected manufacturing systems without full capital replacement cost.

Market Focus & Strategic Objectives

Market Focus

C-matik is actively developing its presence across the UK manufacturing and defence sectors, with particular interest in tier-2 and tier-3 contract opportunities.

Target sectors include:

- Food processing & packaging
- General manufacturing
- Defence supply chain
- Automotive sub-assembly
- Industrial retrofitting

We are ready to take on projects of all scales to establish our track record as a reliable partner for prime contractors and mid-tier suppliers.

Strategic Objectives

Design & Subcontracting

Securing design service contracts and subcontracting opportunities for specialised manufacturing equipment.

Partnerships

Building long-term relationships with complementary engineering firms — particularly in electrical and programming disciplines — to deliver full-scale digital manufacturing solutions.

Industry 4.0 Growth

Leveraging the Made Smarter platform to align our mechanical expertise with the latest standards in industrial digital technology and connected manufacturing.

Why Made Smarter? C-matik seeks to engage with the Made Smarter programme to access mentoring, industry networks, and digital adoption support. As a young company founded on practical mechatronics, we see Made Smarter as the ideal platform to accelerate our transition from mechanical-first engineering to fully integrated Industry 4.0 solutions — and to position C-matik as a credible digital manufacturing partner across the North West.