

MATEUSZ ZULAWSKI

CNC SETTER & CAD/CAM PROGRAMMER

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PROFESSIONAL PROFILE

Manufacturing professional with 12+ years of UK experience, including Tier 1 automotive production for Jaguar Land Rover. Progressed into CNC setting and on-machine programming in Mecal 3D CAD/CAM for aluminium extrusions. Experience at ABL includes first-off inspection, troubleshooting and production support. Currently a CNC Machinist at Mettis Aerospace.

CORE SKILLS

Full CNC setups and changeovers; tool selection, measurement and data entry; feeds, speeds and workholding; on-machine programming in Mecal 3D CAD/CAM for aluminium extrusions; technical drawing interpretation; first-off and in-process inspection; precision measurement; offset and programme adjustments; machining troubleshooting; Lean and SMED principles.

EMPLOYMENT HISTORY

Mettis Aerospace | CNC Machinist

Aug 2026 - Present | Redditch, UK

- Operate Mazak machines with Mazatrol M-32 control in an aerospace manufacturing environment.
- Work within established production processes and quality requirements while developing aerospace machining experience.

ABL Aluminium Components | CNC Setter / CAD/CAM Programmer

Jan 2026 - Jul 2026 | Birmingham, UK

- Set and operated Mecal Falcon MC307 and Ariel MC304 centres for aluminium extrusion machining; created and modified programmes from technical drawings directly on the machine in Mecal 3D CAD/CAM.
- Independently completed full machine setups and changeovers: selected and measured tools, entered tool data into the machine, set feeds and speeds, and prepared workholding.
- Adjusted offsets and modified machining programmes to correct dimensional and process issues; carried out first-off and in-process quality checks on components.
- Supported operators and CNC cell organisation; developed proposals to improve production flow, changeovers and quality checks.

ABL Aluminium Components | CNC Machine Operator

Sep 2024 - Dec 2025 | Birmingham, UK

- Operated machining centres, inspected components and met production, quality and safety requirements.
- Developed the technical skills that led to progression into CNC setting and CAD/CAM programming.

INDUSTRY ENGAGEMENT

Creator of **Practical Manufacturing AI**, publishing technical learning content on LinkedIn about CNC machining, metrology, process stability and practical AI applications in manufacturing.

EARLIER EMPLOYMENT

Dana Axle UK | CNC Machinist / Assembly Line Worker

Aug 2022 - Aug 2024 | Birmingham, UK

- Manufactured axle components for Jaguar Land Rover in a Tier 1 automotive environment.
- Operated Mori Seiki lathes and Chiron Magnum machining centres, including component loading, cycle monitoring and in-process inspection.

Dual Metallising | Machine Operator / Production Operative

Jan 2018 - Jul 2022 | Birmingham, UK

- Operated production equipment for vacuum metallising and monitored product quality and process consistency.

Carter Retail Equipment | Machine Operator

Jul 2016 - Dec 2017 | UK

- Operated machinery in the manufacture of retail equipment and refrigeration units.

IAC Group | Machine Operator

Aug 2014 - Jul 2016 | Birmingham, UK

- Worked in Tier 1 automotive manufacturing for Jaguar Land Rover, following production, quality and safety standards.

MACHINES AND SOFTWARE

Practical machine experience: Mecal Falcon MC307 and Ariel MC304; elumatec SBZ 151 Edition 90; Mazak machines, including Mazatrol M-32 and pallet-changing machines; Matsuura; FANUC ROBODRILL; Hurco; Mori Seiki; Chiron Magnum.

Programming: Mecal 3D CAD/CAM - programming directly on the machine for aluminium extrusion machining. Familiarity with FANUC and Hurco WinMax; self-directed learning in Siemens SINUMERIK / SinuTrain.

SELECTED PROFESSIONAL DEVELOPMENT

Manufacturing | University at Buffalo

Intelligent Machining; Advanced Manufacturing Process Analysis; Digital Manufacturing & Design; Digital Thread: Components and Implementation (2025-2026).

Leadership and change

University of Illinois: Leading Teams; Google: People Management Essentials; University of Cambridge: Introduction to Change Management (2026).

AI and digital tools

Google AI Professional Certificate; IBM: Generative AI: Prompt Engineering and Artificial Intelligence Essentials V2; Microsoft: Gen AI for Executives; Vanderbilt University: Microsoft 365 Copilot for Leaders (2026).

EDUCATION AND LANGUAGES

XIV Liceum Ogólnokształcące, Gdansk, Poland

General secondary education, Matura school-leaving qualification | 2003-2006.

Polish: Native. **English:** B2 Upper Intermediate, British Council (Sep 2024); used daily in UK manufacturing workplaces.