

Oleksandr Kravchenko

CNC Specialist & CAM Programmer (Mill-Turn & 3–5 Axis Milling)



Copenhagen, Denmark • EU Citizen

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PROFILE

CNC specialist with strong expertise in multi-axis machining, CAM programming, fixture design, and precision manufacturing for aerospace, composites, medical, and industrial sectors. Skilled in DFM/DFA, process optimisation, and high-tolerance production.

CORE SKILLS

- 3–5 Axis Milling
- Mill-Turn, Live Tooling, subspindle, double-turret.
- G-code/M-code Editing
- Automated Probing (Renishaw, Blum)
- Simulation and collision detection
- Fixture & Tooling Design
- GD&T • Technical Drawings
- Industrial Robots, Pallet changers
- Process Optimisation & Cycle Time Reduction
- DFM/DFA Collaboration
- ERP Production Planning
- ISO 9001/14001 Standards

CAM & CAD

- Mastercam
- PowerMill
- NX CAM
- hyperMILL
- SolidWorks
- AutoCAD
- Vericut

CNC CONTROLS

- HEIDENHAIN 530/620/640
- Okuma OSP-P300SA/MA
- Siemens 840D Shopmil
- Haas CNC control

MATERIALS

3D printed parts, Nickel alloys (Inconel, Hastelloy), PEEK, TECAPEEK, Hardox, Stainless steel, Aluminum, Copper, Brass, Bronze, PTFE (Teflon).

LANGUAGES

- English — IELTS B2
- Polish — Native
- Ukrainian — Native

EXPERIENCE

Orbex Aerospace — CNC Engineer

Denmark Feb 2024 – Present

- Manufacture of space-grade components including rocket engine parts.
- Machining of 3D-printed metals, Inconel, stainless steel.
- Designed fixtures, jaws, and tooling; optimised machining strategies.
- Machines:
 - Okuma Multus U3000,
 - Genos M460V-5AX,
 - DMG Mori ecoturn 310
 - Haas EC1600ZT.
- CAM: Mastercam • CAD: SolidWorks

Ensinger Composites — Technologist / CNC Programmer

Poland Dec 2022 – Feb 2024

- Machining of PEEK, CFRP, and fibre-reinforced composites.
- Developed machining processes for prototypes & small series.
- Machines:
 - DMG MORI DMU 40/50/60/80 (5-axis), Heidenhain controls.
- Materials: TECATEC PEEK MT/CW30/CW50, CFRP.
- CAM: Mastercam • CAD: SolidWorks

3Shape — CNC Programmer

Poland Apr 2018 – Aug 2022

- High-precision prototype and short-series machining.
- Managed >120 tools and tight-tolerance 5-axis strategies.
- Machine: Hermle C22U, Heidenhain control.
- Materials: aluminium, steel, hardened steel, stainless steel, PEEK, POM.
- CAM: PowerMill, hyperMILL, NX CAM • CAD: SolidWorks

Earlier Roles (2010–2018) — CNC Programmer / Machinist / Operator

Poland & Ukraine

- Operated CNC milling, routing, plasma-cutting, laser cutting, bending and woodworking centres.
- Supported prototype and small-series production for construction, entertainment equipment and industrial applications.

CERTIFICATIONS

- Forklift License • Crane Cat. IIS • Driving License B/C/D

EDUCATION

Kirovograd Engineering College — CNC Machines & Robotics

Kirovograd Pedagogical University — English Linguistics