

AIM

AI Engineer for CNC Machines: From 3D Model to G-Code in 5 Minutes



Lengthy G-code creation process: from one to several stages (designer → process engineer → programmer → machine operator)



MARKET CONDITIONS

Lengthy G-code creation process: from one to several stages (designer → process engineer → programmer → machine operator)

Dependence on staff qualifications: errors, low productivity, high training costs. Risks: collisions, tool breakage, inefficient cutting parameters. CAM systems are not scalable and cannot be automated.









Lengthy G-code creation process: from one to several stages (designer → process engineer → programmer → machine operator)

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Aim — Al engineer for generating Gcode in 2–5 minutes based on a 3D model.



Optimization of tool paths and cutting parameters.

Automatic tool selection from the database.

Elimination of errors and collisions.

Time savings: from days to minutes.



Cost reduction: less training, better staff retention, fewer tool breakages.





Automation: machine synchronization, remote production launch.







AUTODESK[®] FUSION 360[®]

Traditional CAM Systems (Siemens NX, Fusion 360, etc.)

- Manual setup, high dependence on operator qualifications
- Long learning curve and complex interface
- No self-learning, no automation, no Al
- License and personnel costs increase every year

- 🕞 Small Al Startups (USA, Asia)
- Low technological maturity
- Narrow specialization for specific machines
- No access to the mass market
- No architecture for deep integration

Competitors



Market and audience

Clients

- Large Industrial Enterprises
- Government and private factories
- Interest in automation and reducing dependence on the human factor
- Seeking personalized LLM solutions and long-term implementation

Small and Medium Enterprises

- Metalworking, woodworking, plastics, 3D printing
- Shortage of qualified personnel
- No CAM specialists, high reconfiguration costs
- Ready to adopt AIM on a subscription basis — right after MVP

Integrators and OEM Companies

- Developers of "smart manufacturing" solutions
- Ready to integrate AIM into their products as a white-label solution
- Capable of providing distribution across various countries and industries



Business Model



Subscription and Licensing (SaaS) Monthly and yearly access to the core AI model. Ideal for small and medium-sized businesses.

Custom Configuration Training the model for specific production tasks. B2B format, deeply integrated into the workflow.



Integration Services Connection to equipment, configuration, technical support. An additional source of revenue.

Competitive Advantages



Built-in Al Assistant Self-learning algorithm. Errorfree. No qualification barriers.

Flexibility and Compatibility Works with any equipment. No vendor ecosystem required. Virtually No Competitors CAM systems are outdated. Startups are immature. AIM is already in action.



 Q1 2025 — Foundation Development
 Product concept and tech stack development
 AIM architecture design: API, AI module, and database
 Creation of a basic interface and G-code generator
 Initial integration with the first machine types (2–3 types)
 Dataset formation for initial neural network training
 Prototype development: generating control programs from 3D models

- **Q2 2025 MVP Launch and** Presentation
- Preparation of a demo version of AIM
- Training of the first universal AI model (based on collected industrial cases)
- Public product presentation: industry expos, Demo Day, attracting investor attention
 Signing initial partnerships with manufacturers (including pilot integrations)
 Building a community of early adopters and collecting

feedback

- Ø Q3 2025 Integration and Market Entry
- Deployment of AIM in real production environments
- Training custom AI models for specific enterprises
- Connecting additional machine types via a universal API
- Launch of marketing campaign, outreach via LinkedIn and industry communities
- Implementation of a flexible subscription and licensing system
 Debugging integration with industrial robots and MRP systems
- Q4 2025 Scaling and Commercialization - Development of a cloud platform for remote access to AIM - Enhancement of AI functionality: predictive analytics, adaptive learning - Expansion into new industries (woodworking, 3D printing, plastics) - Sales scaling: entering international markets (EU, Asia, CIS) - Development of multi-tier
- Development of multi-tier monetization: SaaS, Enterprise, White-label
- Preparation for the next investment round



