



Contract CMM Programmer/ Metrology Specialist

October 2026

Onsite: Middleton, WI

Reports to: Director of Quality

Compensation: \$40-\$60/hr. based on
experience and project scope

About C-Motive

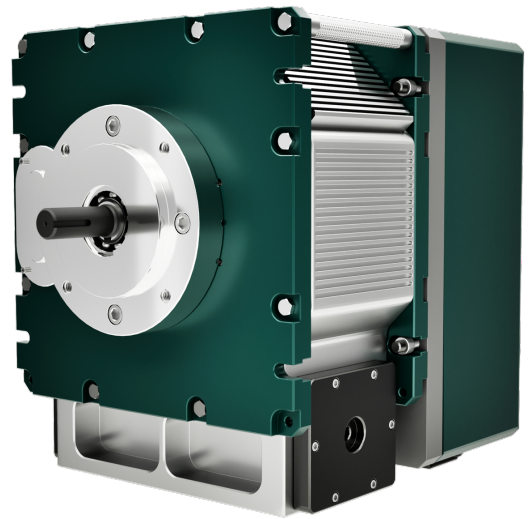
C-Motive is a startup based in Middleton, Wisconsin, developing electrostatic motors designed to improve performance and energy efficiency. Our ZeroMag™ motors eliminate the need for magnets and rare-earth materials, offering an alternative to traditional motor technology. With electric motors accounting for nearly half of global electricity consumption, C-Motive aims to make a meaningful impact on energy use worldwide.

At C-Motive, we believe achieving this mission starts with building a strong team and a supportive company culture. We bring together talented, motivated people who are empowered to contribute ideas, take on challenges, and help move the company forward.

Contract CMM Programmer

C-Motive Technologies develops innovative electrostatic motor technology. We are looking for a self-directed CMM programmer to develop, validate, and standardize dimensional inspection programs for tight-tolerance mechanical components. This contractor will help build repeatable, production-ready inspection capabilities while working closely with Quality and Engineering.

Equipment: Hexagon GLOBAL S 7.10.7 | **Software:** PolyWorks Inspector | **Methods:** Touch probing & scanning



ZeroMag

Key Responsibilities:

- Validated, production-usable PolyWorks programs and matching dimensional inspection report templates for assigned parts.
- Develop, debug, validate, and optimize automated CMM programs in PolyWorks Inspector for prototype, first article, incoming, in-process, and final inspection.
- Interpret engineering drawings and ASME Y14.5 GD&T; establish datum alignments, coordinate systems, measurement sequences, probing and scanning strategies.
- Determine appropriate measurement strategies based on part geometry, tolerances, accessibility, and equipment capabilities, including recommendations for fixturing, probe selection, and alternative inspection methods as needed.
- Generate clear dimensional reports showing conformance to engineering requirements; investigate unexpected results and distinguish part variation from measurement issues.
- Partner with Quality and Engineering to resolve drawing or inspection concerns, support dimensional nonconformance investigations, and improve inspection efficiency.
- Document program setup and validation, standardize file/report formats, and transfer knowledge so internal Quality staff can run and maintain completed programs.

Required Qualifications:

- Hands-on experience programming and troubleshooting automated CNC/DCC CMMs using PolyWorks Inspector; not solely portable-arm measurement or reporting experience.
- Experience inspecting tight-tolerance machined parts and precision mechanical assemblies.
- Strong GD&T and drawing interpretation skills, including datums, alignments, feature evaluation, and geometric tolerances.
- Ability to program from 3D CAD/STEP models and drawings using touch probing and scanning, with sound probe-selection practices.
- Ability to independently validate programs, assess accuracy and repeatability, troubleshoot suspect measurements, and communicate technical findings clearly.

Bonus Qualifications:

- Hexagon GLOBAL / GLOBAL S CMM experience and familiarity with PolyWorks integration to automated CMMs.
- Experience with scanning probes, automated stylus changers, complex measurement strategies, and inspection fixturing.
- Familiarity with Measurement System Analysis (MSA) / GR&R, measurement uncertainty, first article inspection, ISO 9001 environments, and inspection process standardization.



Contract Deliverables:

- Validated, production-usable PolyWorks programs and matching dimensional inspection report templates for assigned parts.
- Documented setup, measurement strategies, program files, and recommendations for fixturing or probes.
- Efficient, repeatable routines plus handoff and knowledge transfer to C-Motive Quality personnel.

What Success Looks Like:

Programs accurately evaluate engineering requirements, produce trustworthy and repeatable results, and can be operated and maintained by C-Motive personnel. The successful contractor identifies measurement limitations rather than reporting misleading results and works independently in a growing manufacturing environment.

Interested candidates should prepare by having a summary of their PolyWorks programming experience, CMM equipment experience, and examples of relevant dimensional inspection projects.

C-Motive is committed to equitable compensation, and we offer a generous benefits package to make sure you have the support you need. We offer a take-what-you-need paid time off program and every employee, regardless of gender identity or expression, is eligible for paid parental bonding leave. We have implemented a 401k program and all employees are granted stock options with typical vesting periods.

We are committed to creating an inclusive environment for all our employees and are seeking to build a team that reflects the diversity of the people we hope to serve with our revolutionary products. C-Motive is proud to be an equal opportunity employer.

To learn more about C-Motive, our team, and our company culture, please visit: c-motive.com/about/mission-vision-and-values

Apply for this position here:

<https://airtable.com/appXfN4AsYyzJUR85/shrISC7aaVfhJrTf0>