



## CMM / VCMM Programmer I

<b>Date:</b>	June 15, 2017	<b>Job Family:</b>	Technical/Production
<b>Department:</b>	Engineering	<b>Job Group:</b>	Technical
<b>Reports to:</b>	Manager of Engineering Services	<b>OT Status:</b>	Non-Exempt
<b>Location:</b>	Monticello, MN	<b>Relocation Available:</b>	No
<b>Openings:</b>	Day Shift Monday-Friday		

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### Job Summary

CMM Programmer Level 1 creates CMM or VCMM programs in accordance with ASME Y14.5, UMC Best Practice Metrology Standards, and requirements specified in IQS inspection plans. Position is responsible for maintaining availability, accuracy, and revision control of all programs generated.

### Essential Functions

*The primary duties and responsibilities of the CMM/VCMM Programmer I consist of but are not limited to:*

- Generation of basic to mid level complexity programs via on & offline programming methodologies
- Program changes (updates, improvements, and rework)
- Review of program output to ensure compliance to IQS inspection requirements
- First time run program prove out of CMM & VCMM programs
- Collaborate with manufacturing and quality personnel as needed on technical issues
- Troubleshooting of automated inspection process: Equipment, programs, fixturing, etc.
- Generation of setup instructions for CMM & VCMM programs
- Mentoring and training of CMM support staff for new program releases
- Facilitate 5s and continuous improvement initiatives under guidance and direction of Sr. level programmers, Metrology Engineer, or CMM Manager

### Qualifications

- High school diploma required; Associate or Bachelor's degree - preferred
- Programming training on any CMM / VCMM platform - required
- 1 -3 years of experience programming a major CMM / VCMM platform - required
- 1-2 years manufacturing or quality experiences in an ISO9001 or equivalent environment – preferred
- ASQ Certified Mechanical Inspector Certification – preferred
- CNC machining experience – preferred
- PCDIMIS / Brown & Sharp
- Calypso / Zeiss experience - preferred

### Accountabilities

- Completion of programs in accordance with established schedule
- Communicate issues and exceptions in meeting requirements

- Completion of scheduling and Vantage transaction activities
- Ensuring changes made to programs are processed in accordance with UMC change control practices and requirements
- Ensure programs are generated in accordance with ASME Y14.5 and UMC Best Practice Metrology Standards
- Ensure resolution of inspection, data collection, and documentation issues impacting Quality & Operations efforts

#### Authorities

- Determination of best practice metrology practice within the guidelines specified in ASME Y14.5 and the UMC Best Practice Metrology Standards.

#### Competencies

- Basic to intermediate understanding of GD&T
- Basic to intermediate understanding of automated metrology practices
- Basic understanding of Measurement Systems Analysis practices and principals
- Basic understanding of SPC & basic statistical methods
- Basic trigonometry & algebra skills
- Proficiency in MS Word & Excel
- Good communication skills both verbal and written
- Work independently with minimal instructions
- Good time management skills

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