

**Kalamazoo Valley Community College
Machine Tool Advisory Committee
Meeting Minutes – November 4, 2016**

Present: Patrick Barnes, LaJoyce Brooks, Larry Byers, Marvin Gage, Rick Garthe, Bill Kring, Diane Long, Pierce Lonsbery, Mike Lueer, Kevin Moshier, Dan Retherford, Jon Sarver, Dale Steinfeld

Absent: Dean Birkmeier, Dave Brock, Tom Buszek, Jeff Dee, Denny Grice, Gabe Kooyers, Greg Mills, Scott Smelker, Pat Stevens, Jim Williams, Bill Wilson

1. Call to Order – The meeting was called to order by Kring at 12:30 p.m.

Kring welcomed committee and showed video and pictures of Governor Rick Snyder's recent visit to KVCC on November 1. President Schlack, Trustee Patton, and Vice Presidents Bertch & Collins joined Governor Snyder on the tour of the Machine Tool lab to see the equipment purchased with the CSTEP Grant that Kring secured last year. Kring shared that the Governor was very engaged on the tour and seemed to really care about manufacturing in Michigan.

2. Review Machine Tool minutes

Kring will send last meetings minutes to committee members for review.

3. Program update:

Kring reported on program enrollment. Current semester classes are mostly full. EDMT 220 has low enrollment but still ran with 13. A spot had to be opened for an apprentice due to late submission of paperwork. Kring asked that anyone with apprentices to be sure to get paperwork in on time because there are not always openings. So far Winter classes look like they will fill.

4. Capital equipment

Kring reported that he requested fixturing for the Zeist CNMs for the current year and was originally approved but the day before classes started his request was denied. He asked if anyone has fixturing they'd like to donate to please let him know.

Next year's capital requests were due last week. The fixturing has been requested again. Also requested Starrett/SnapOn metrology kits for NC3 certification. Discussed Ziests' requirement of yearly calibration for warranty and the cost involved. Kring has asked Ziest if KVCC could calibrate every other year and still be in warranty since machines are not used like in shops. With higher enrollment in GD&T class (EDMT 140) would like to outfit the lab with equipment students would use in shops. Discussion followed on equipment needed. Motion to approve Kring's capital request made by Byers, seconded by Steinfeld. Motion passed unanimously.

5. Old business:

EDMT 140: Kring and Garthe happy with direction the course is taking. Kring would still like to work with Mike Stevens to offer expansion of Master CAM class. Currently the class is 3 ½ hours long twice/week but he'd like to separate it into two but adding to the curriculum usually means something else must go. Kring asked for software suggestions. Discussion followed.

Gage reported on Kalamazoo Central. Students will be working on WMU solar car. His students recently participated in Project Lead The Way and all students placed above the national average. He also reported on the recent Expo. Very successful; about 900 KPS students and a total of 4500 from all over the county.

Lonsbery & Moshier from Stryker shared that they've added multiaxis machines. Also added two Fanuc robots; phasing out Masek line because Fanuc fits needs and support cost is lower.

Sarver shared that Allegan Tech Center completed 900 sq ft expansion of shop. Updated all manual mills to multiaxis. Partners with Lake Michigan College for Early/Middle College.

Also at Stryker, Barnes reported upgrade of 5-axis mills. Fanuc robots coming to his shop too. Also partnering with Ziest. He stated that they are always looking for people who can run manual equipment.

Retherford and Long reported on Perrigo Apprenticeships. 20 total apprenticeships. See need for training on manual machines as well as multi-axis.

Lueer from Flowserve discussed need for MasterCAM.

Byers reported that KM Industrial has picked up the Toyota line. Sees more companies investing in SW Michigan again.

Steinfeld from Prab reported on purchase of new building that had added over 100,000 sq ft manufacturing and doubled the office space. refurbished; doubled office space. Company can't find enough fabricators.

Brooks reported that there's still time to get apprentices registered for Winter semester. She explained that apprenticeship students get preferential registration but companies must get the paperwork in on time. After apprenticeship deadline registration opens to the general student population and there's no guarantee apprenticeship students will get a seat. She also explained new Accuplacer assessment. Currently students may take either Accuplacer or ALEK.

6. New business:

Kring reported on HTECH open house. KVCC started with Henry Ford and Macomb CC. Terry Morse with Michigan Instructors in Machining Association (MIMA) currently looking at holding on April 21 or 28. Trying to get Titon Gilroy as keynote speaker. Gilroy is CEO of Titan America MFG and star of reality TV show Titans of CNC. Open House will have vendors such as KM Tooling, Starritt, Ziest, SolidWorks.

Cathy Loomen is working on scholarship grant

Meeting adjourned 1:33 pm.