**Enkamat Process Engineering Internship – Summer 2019**

**Objective:**

1. To facilitate a manufacturing intern(s) with professional development in the areas of:
	1. Process engineering (troubleshooting, waste reduction, quality improvement, continuous improvement, customer focus, etc)
	2. Project engineering and understanding the CAPEX process
	3. Industrial HSE stewardship
	4. Maintenance planning/preventive maintenance program
2. To set students up for success through mentorship and providing them with achievable goals and projects that are of value to the company and our customers
3. Develop relationship with area universities for future internship program development

**Proposed work for Intern:**

1. ~50% of time on the floor, learning the process, identifying areas for follow up and improvement
	1. Attend 8 am daily standup, contribute as able
	2. Attend weekly planning and maintenance planning meetings, contribute as able
	3. Follow up on production or maintenance issues in the department
	4. Understand material/information flow through the department
		1. **Deliverable**: Develop department process flow diagram *of training quality*
	5. Search waste and downtime data, sort, and present top contributors
		1. **Deliverable:** Send out weekly waste/downtime reports
	6. Participate in continuous improvement efforts
2. ~50% of time on project work (potential projects)
	1. 5S
		1. **Deliverable:** Bring Enkamat Asheville department to yellow or green status for all Level 1 and Level 2 items of CIMM model
	2. Quality Engineering
		1. **Deliverable:** Design and implement new operator quality stations on shop floor/standardize testing procedures between lab and shop floor
		2. **Deliverable:** Implement OWL SPC at operator workstations (or manual SPC process if OWL presents too many barriers for completion during summer)
	3. Continuous Improvement
		1. **Deliverable:** Reduce changeover time by 50% - Single Minute Exchange of Dies Focus
		2. **Deliverable:** Value Stream Mapping of Enkamat processes