

Building the USI-Astra Zeneca Partnership for Workforce and Professional Development

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Pott College of Science, Engineering and Education

Faculty Externships



Dr. Arnold (Bill) Bangel
Assistant Professor, Engineering

Dr. Susan Ely
Associate Professor, Engineering



Project Work

New Product Launch

- BaxFendy
 - First new product launch at Mount Vernon site in 10 years
 - Selected as new global packaging facility
 - Line 20 – High Speed Bottle Line
 - Replaces production of previous products which have come off patent



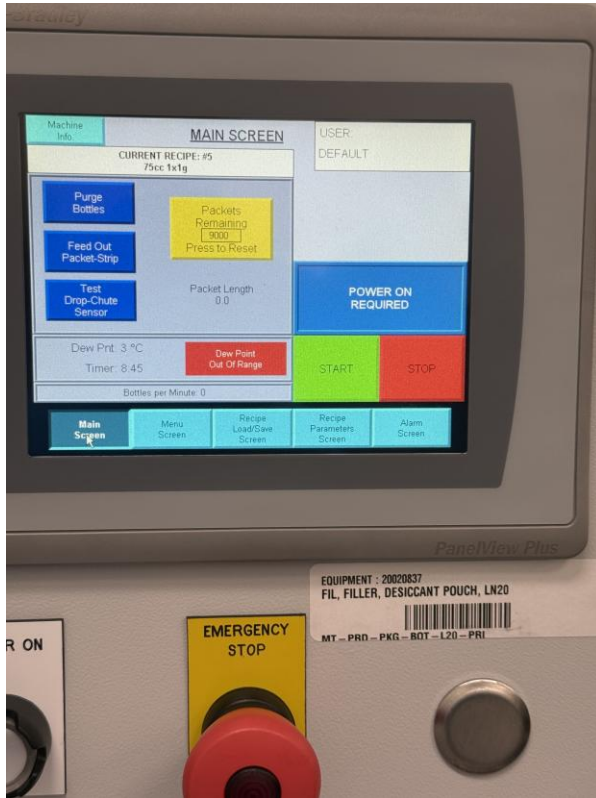
Project Work



Continuous Process Improvement

- Blister lines 15 and 16
- Farxiga packaging for global market
- Lean techniques to increase Overall Equipment Efficiency

Assist in Troubleshooting Production



Additional Experiences

- HPEL (Human Performance Event Learning)
- Lean Six Sigma Green Belt Training
- Emergency Quality Investigation
- BaxFendy Performance Qualification
- Daily Pulse Meetings
- AstraZeneca Town Hall
- Engagement with alumni

Future Opportunities

Research and Collaboration

- Faculty and Student
- Artificial Intelligence Integration
 - Systemwide
 - Packaging Engineering
- Cobot and Advanced Robotics
- Advanced Material Science
- Equipment support (3D printing)

Educational Enhancement

- Expand Co-op/ Internships
- Senior Design
- Case Studies
 - Lean Six Sigma
 - Process Improvement
 - Manufacturing
 - Production Control
 - Quality Systems