



**Columbus**

**Grand Island**

**Hastings**



# Training & Development



# NATIONAL CENTER FOR NEXT GENERATION MANUFACTURING

TUNXIS COMMUNITY COLLEGE-FARMINGTON, CT.

- 5-year grant
- 3-year budget
- Subject matter expert
- Mechatronics (iMEC 2.0)
- Instrumentation
- Plastic injection molding
- Doug Pauley –mentoring; Jerry Muller-co-pi (30%); Craig Potthast (15%)

A. Senior Personnel	\$ 98,153
B. Fringe Benefits	\$ 50,281
C. Travel	\$ 12,600
D. Indirect	<u>\$ 52,021</u>
Total Budget	\$ 213,055



# PLASTICS-RELATED, INNOVATIVE MANUFACTURING EDUCATION (PRIME)



# DELIVERABLES COMPLETED FOR THE PRIME GRANT

- Establish Business Industry Leadership Team (BILT) to provide input/feedback, leadership, and resources to support the Plastics Engineering Technology education at CCC.
- Develop a state-of-the-art Plastics Technology learning laboratory to enhance hands-on learning for students.
- Develop a Plastics Engineering Technology (PET) certificate consisting of four courses in Plastics Engineering Technology.
- Certify two faculty/staff members to instruct certified injection molding workshops through professional development training.
- Enroll non-traditional & under-represented students through short-term workshop training that will ladder the education into the PET certificate.



# CHALLENGES OF COVID-19 AND TRAINING

## Challenges:

- Plastic injection molding workshops halted due to COVID-19 pandemic. Industry travel was restricted..
- High school access halted due to COVID-19 pandemic.

## Opportunities:

- CCC Injection Molding program partnered with Business & Industry to produce molded face shield frames that were assembled to provide over 17,000 face shield assemblies distributed to health districts across Nebraska to combat the spread of COVID-19.
- Collaboration with Nebraska Workforce Development and the GAP program to retrain displaced workers in plastic injection molding.  
Jason Bazer, BD Medical Mold Technician to discuss his experience in this process.



# NEXT STEPS FOR THE PROGRAM

- Recruit and hire a Director of Plastic Injection Molding for CCC.
- Develop a Marketing plan to get more Industry Participants.
- Host a Injection Molding Boot Camp this summer.
- Offer AMDT 1610 Injection Molding Foundations and AMDT 1620 Injection Molding Concepts for Fall 2022 semester.
- Offer AMDT 1630 Injection Molding Operations and AMDT 1640 Injection Molding Processes for Spring 2023 semester.
- Develop a Business-Student employee sponsorship program to be implemented with business and industry.



# MASTER MOLDER I GRADUATES & INSTRUCTORS





# Questions?

# Thank you!

