



# **How Pennsylvania College of Technology Serves the Rotomolding Industry**

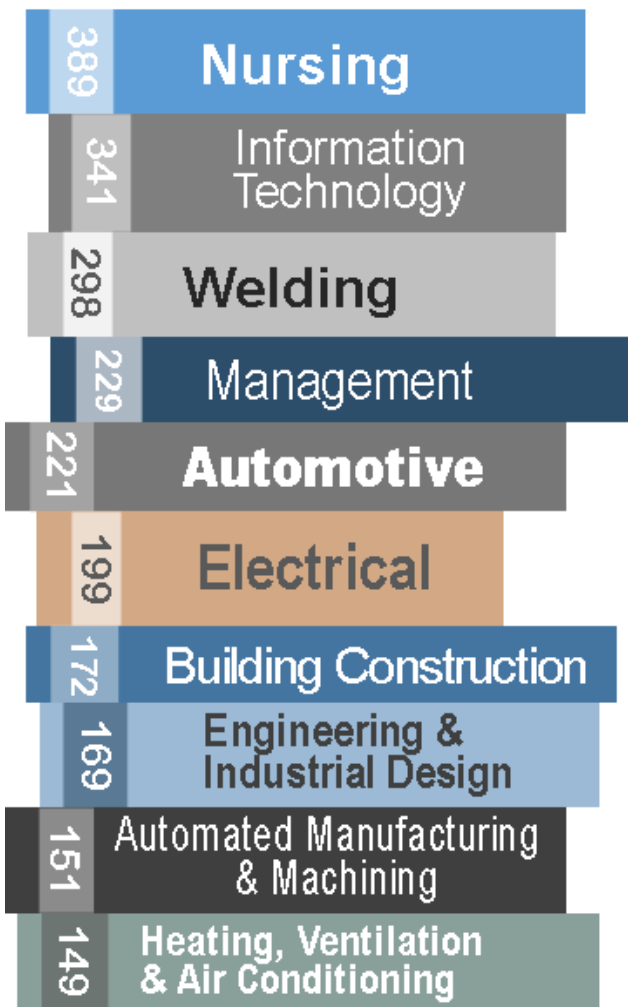
**October 23, 2018**

**Brennan Wodrig**

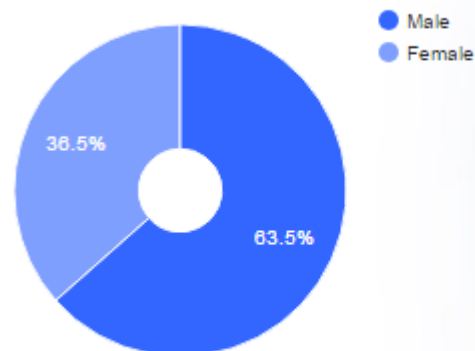


# Penn College Facts

## Largest Programs



## Enrollment



5,457 Headcount

(does not include Penn College NOW students)

1. Bachelor's Degree: 53.01%

2. Associate's Degree: 44.79%



# Plastics Degrees

B.S. Plastics & Polymer Engineering  
Technology

A.A.S. Plastics & Polymer Technology

Hands-On Education

ABET Accreditation





# Toter Scholarship

# Toter®

## Built for Extremes™



**HOMEOWNERS**



**MUNICIPALITIES/  
GOVERNMENT**



**WASTE HAULERS**



**INDUSTRIAL,  
COMMERCIAL &  
INSTITUTIONAL**

# Plastics Innovation & Resource Center

- ✓ *Facilitate the growth and success of the plastics industry*
- ✓ *Customized training across all areas of operations*
- ✓ *Augment R&D capabilities for material, products and process improvement projects*



## TOP 5 REQUESTS OF PLASTICS MANUFACTURERS

- ◆ Custom compound development
- ◆ Manufacturing process optimization
- ◆ Applied R&D assistance
- ◆ Process validation trials
- ◆ Polymer testing



# Rotational Molding Capabilities

- Pulverize resin
- Particle size distribution
- Funnel flow & bulk density
- Powder polishing
- Melt study



# Rotational Molding Capabilities

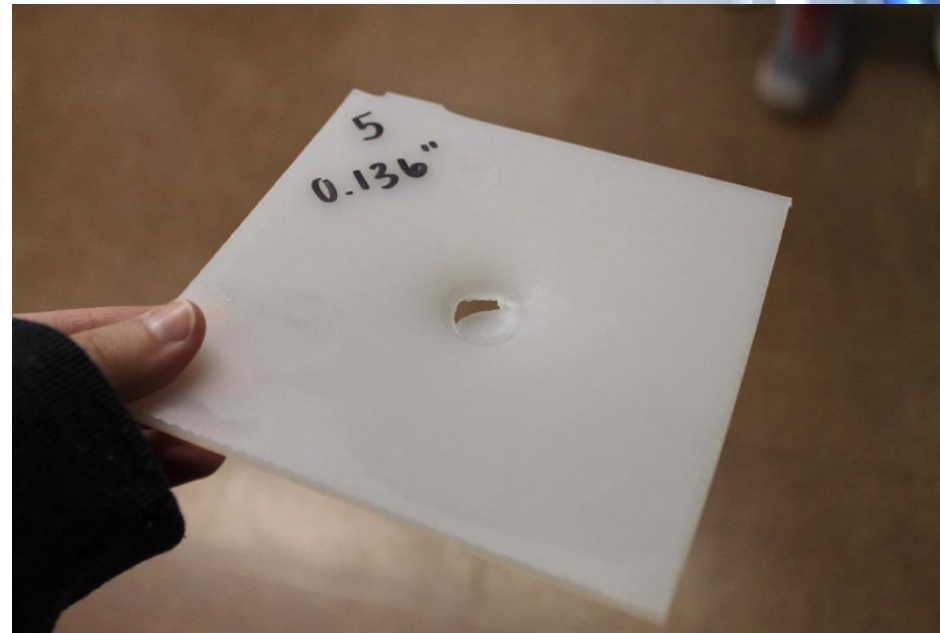
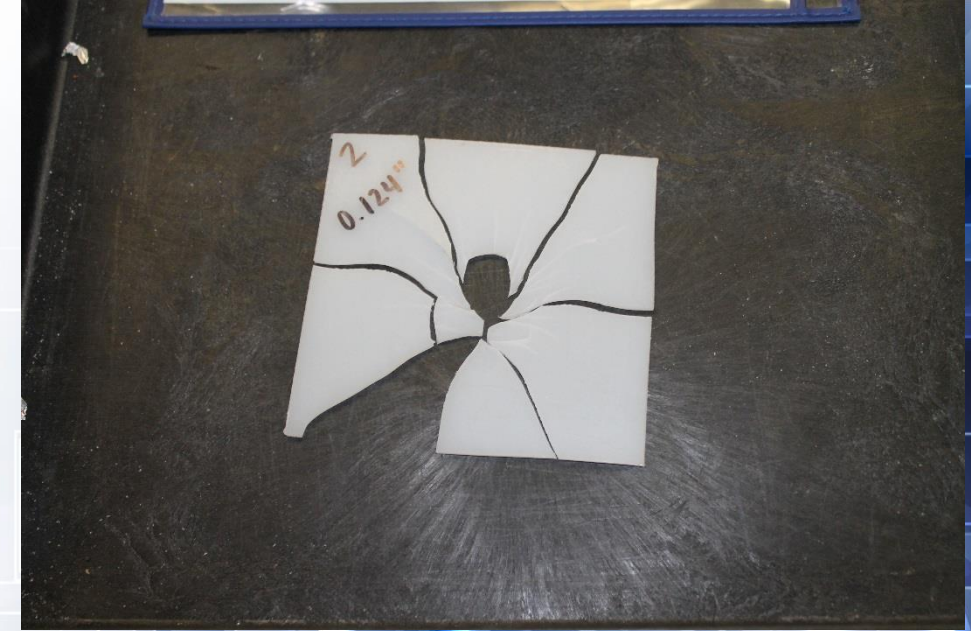
- Process Development
  - Cross sectional pictures
  - Pressurized mold
  - Nitrogen purge
  - Multilayer shots
  - Telemetry system
  - Compounding





# Rotational Molding Capabilities

- ARM low temperature impacts
- Tensile Testing
- ESCR
- HDT
- Xenon Arc Testing







**SHELL POLYMERS**

MAKING THE EXPERIENCE MATTER



**SHELL POLYMERS**  
MAKING THE EXPERIENCE MATTER

**ROTATIONAL MOLDING**  
CENTER OF EXCELLENCE







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