



Update to Virginia House  
Appropriations Committee

*Presented by Senator William C. Wampler, Jr.,  
Executive Director of NCI in Martinsville, VA*

November 18, 2014

NCI's Uptown Campus



King Hall

Fayette Lab



# New College

INSTITUTE

Stay Close. Go Far.

# Chapter 16.6, New College Institute

- § 23-231.30. *The New College Institute created; responsibilities.*

*Paragraph B, New College Institute shall...*

4. *Expand educational opportunities in the region by providing access to degree-granting programs, including **undergraduate**, **graduate**, and professional programs, through partnerships with private and public institutions of higher education, the public schools, and public and private sectors.*
5. *Encourage and coordinate the development and delivery of degree programs and other **credit** and **noncredit** courses with a focus on statewide and regional critical shortage areas as well as the needs of industry. This **shall** include needed adult education and **workforce training**.*

# NCI's New Building

- 52,000 square feet, \$19.2 million investment
  - Includes costs for construction, furniture, equipment, and technology
- Features of building
  - 12 classrooms
  - Advanced Manufacturing High Bay
  - Grand Lecture Hall
- Tenants of building
  - Martinsville-Henry County Economic Development Corporation
  - Martinsville-Henry County Visitors Center
  - Piedmont Governor's School for Mathematics, Science & Technology

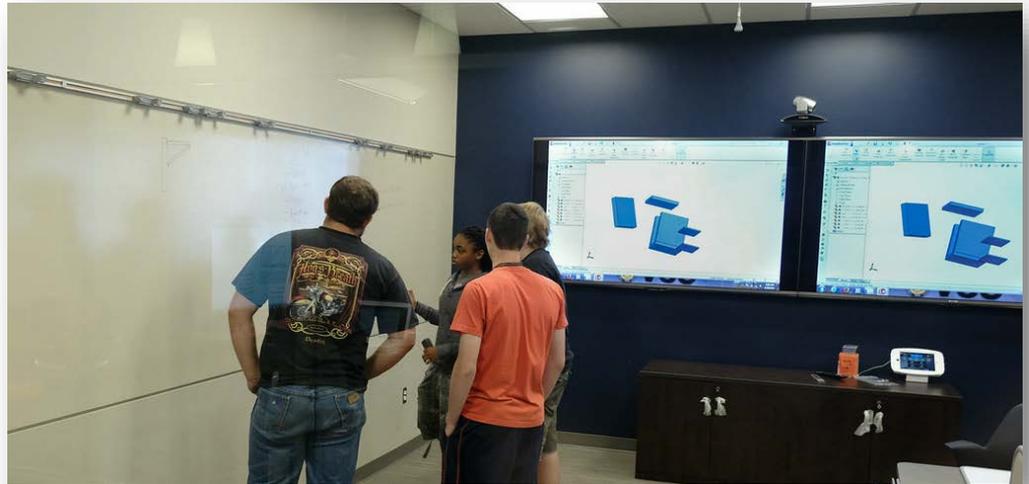


*Ribbon cutting to celebrate the opening of NCI's new building on September 12, 2014*



New  
College  
INSTITUTE

# Classroom Technology to Encourage Collaboration & Innovation



# Academic Partners of NCI



# Core Academic Programs

- Bachelor's Degrees
  - Business Administration: Averett University
  - Criminal Justice: Virginia Commonwealth University
  - Elementary Education: Longwood University
  - Social Work: Longwood University
- Master's Degrees
  - Education (Secondary Math): Radford University
  - Education (Algebra & Middle School Math): Longwood University
  - Education (Curriculum & Instruction): Averett University
  - Business Administration: Averett University
- Other Certificates & Endorsements
  - Telemedicine: University of Virginia
  - Educational Leadership: James Madison University
  - Academy for Engineering & Technology: Virginia State University
  - Center for Advanced Film Manufacturing

# Advanced Manufacturing Center of Excellence

- One of three CoE's throughout Southern Virginia as designated by TICR
  - Collaboration with PHCC, DCC, IALR, K-12
- 70-80 graduates per year
  - Draw from high schools, VCCS, 4-year degree programs, & existing workforce
  - Graduates will earn third-party verified industry credentials
- Industry certifications
  - Siemens, NIMS, AWS, SAP
- **Supports \$20 billion downstream supply chain\***
- **CCAM driven**
  - **Future link/feeder to CCAM Apprenticeship Academy**

\*Boston Consulting Group Student, CCAM, 2013

# Equipment for Advanced Manufacturing Training



# Impacting Economic Vitality in Martinsville-Henry County

- Kilgour Industries announced in January 2014 that would be locating in Martinsville-Henry County
  - \$27m cap investment
  - 155 jobs
- KEY: ability to provide highly trained workforce to relevant advanced manufacturing equipment



*Pictured: Ray Kilgour, president of Kilgour Industries; Senator William Wampler, executive director of NCI; and Joen Anwal, CCAM Economic Development in Europe*

# Commonwealth Center for Advanced Manufacturing (CCAM)

- Adjacent to Rolls Royce jet engine manufacturing facility
- NCI's new building contains a high bay emulating their design
- NCI provides a physical and virtual presence/link within Southside Virginia
- **CCAM's future apprenticeship academy (\$75 million)**



*Manufacturing Process Bay at CCAM*

# Academy for Engineering & Technology (AET)



A group of AET students gather around the Mazak Variaxis I-700.

# Academy for Engineering & Technology (AET)



- 63 high school juniors and seniors
  - From Martinsville-Henry County and Danville-Pittsylvania County
  - Dually enrolled through VSU
- Can earn up to 12 college level credits in engineering & technology
- Can also earn industry certifications: SAP, Siemens, and NIMS
- Paid internships, industry visits

# Center for Advanced Film Manufacturing (CAFM)

- **Industry partners:**  
**Eastman Chemical Company and Commonwealth Laminating & Coating**
  - Represents 1,000 employees
  - Capital investment
- Martinsville-Henry County represents North America's largest concentration of performance film manufacturing
- 40 students per year with PHCC
- Best practices seminars



# Eastman Demonstrates Commitment to Martinsville-Henry County

- In September 2013, Eastman announced expansion plans in MHC including a \$40 million investment and expansion of 25 employees.\*
- Mark Costa, CEO of Eastman:
  - Efficiency, capability of the local workforce, and workforce training opportunities were driving factors in expanding in MHC instead of China, where “the vast majority of Eastman’s growth is centered.”
  - The expansion shows Eastman’s confidence in the local community because “we want Virginia to be a state that makes things” and welcomes manufacturing.



\*Martinsville Bulletin, “\$40M Investment”, Sept. 26, 2013:  
<http://martinsvillebulletin.com/article.cfm?ID=39184&back=archives>

# Creating Job-Ready Students for Local Employers

## Academic Coater Concept

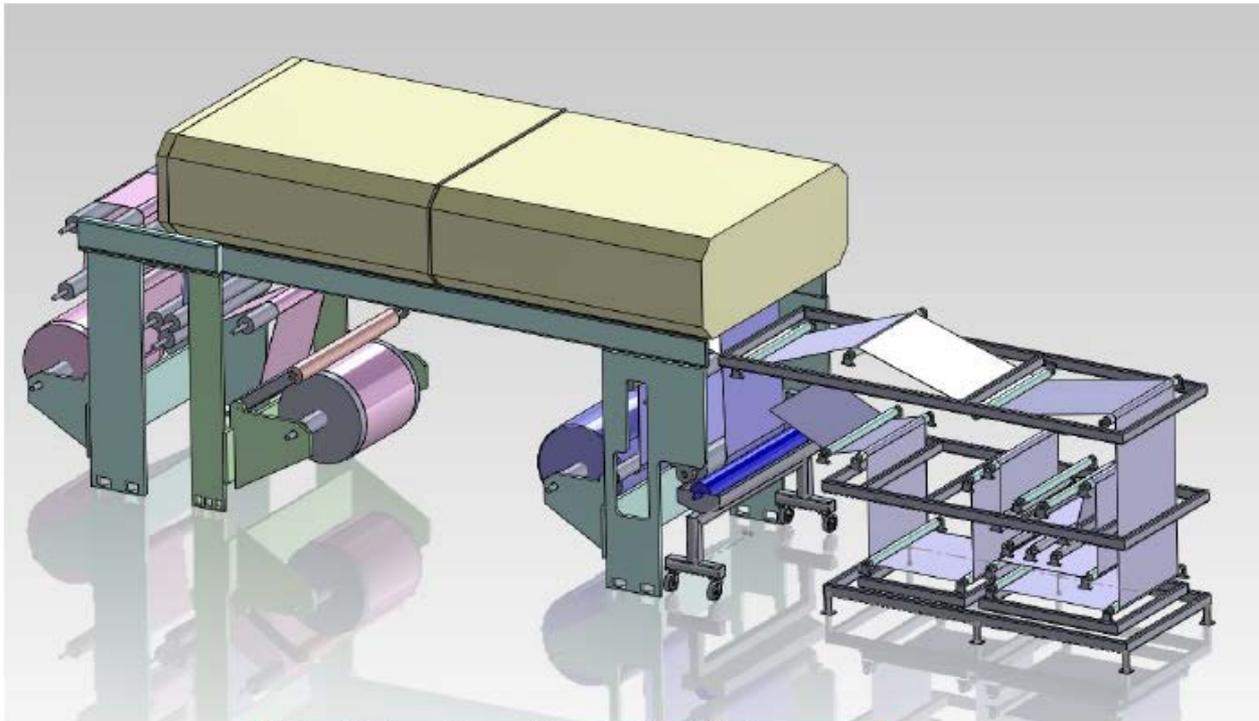


Fig 1 - 3D view of the machine, same "wow" factor or more

# STAR Telehealth

Training health care providers & improving access to quality healthcare for rural and underserved populations



# STAR Telehealth

(Southside Telehealth Training Academy and Resource Center)

- Benefits healthcare field
  - Reduce unnecessary readmissions
  - Reduce Medicaid costs
- STAR Telehealth to train 260 healthcare workers
  - Had to cap enrollment; student demand exceeded available seats
- Next phase of STAR Telehealth
  - Students requested future continuing education credits
  - Need greater scale
  - Continue to draw on strength of UVA's Office of Telehealth



# A Premier Location for Conferences and Events

NCI's Grand Lecture Hall is available for rent and the ideal location for:

- Conferences & Training
- Business Meetings
- Formal Receptions & Dinners



# Creating a Culture of Continuing Education

NCI strives to increase awareness and access to education in Martinsville-Henry County and the surrounding communities.



*Reading for Life at Albert Harris Elementary School*



*College Night in Virginia at NCI*



*Grand Opening Celebration at NCI*

# How does NCI support workforce development?

**Improve access to education  
in order to...**

- fill skills gaps
- create employment
- reduce unemployment &
- generate capital investment

*Thank you for your time...*

**Questions?**

New  
College  
INSTITUTE