

# Modern Apprenticeship in the USA

1. An example in US Manufacturing
2. Applying this model in the Printing world??
3. Thoughts, Ideas, Next Steps



# *Apprenticeship 2000*



An Example in American Modern Manufacturing

# What is Apprenticeship 2000?

- Dual Training - Academics in College / hands on at company
- Earning while learning
- 6400 hours of learning manufacturing skills
- 1600 hours of college education
- Journeyman Certificate by the Department of Labor (Commerce)
- Guaranteed employment after graduation



# Selection requirements

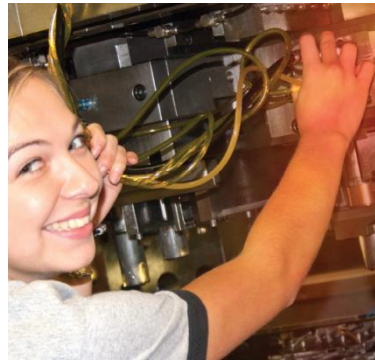
- For High school min GPA 2.8
- CPCC (Community College) placement test
- Algebra 1 & 2
- Geometry
- Good Attendance Records
- Recommended courses
  - Physics
  - Drafting
  - Computer application Courses
  - Any Related Hands-On Courses

We don't take "bottom of the barrel"...

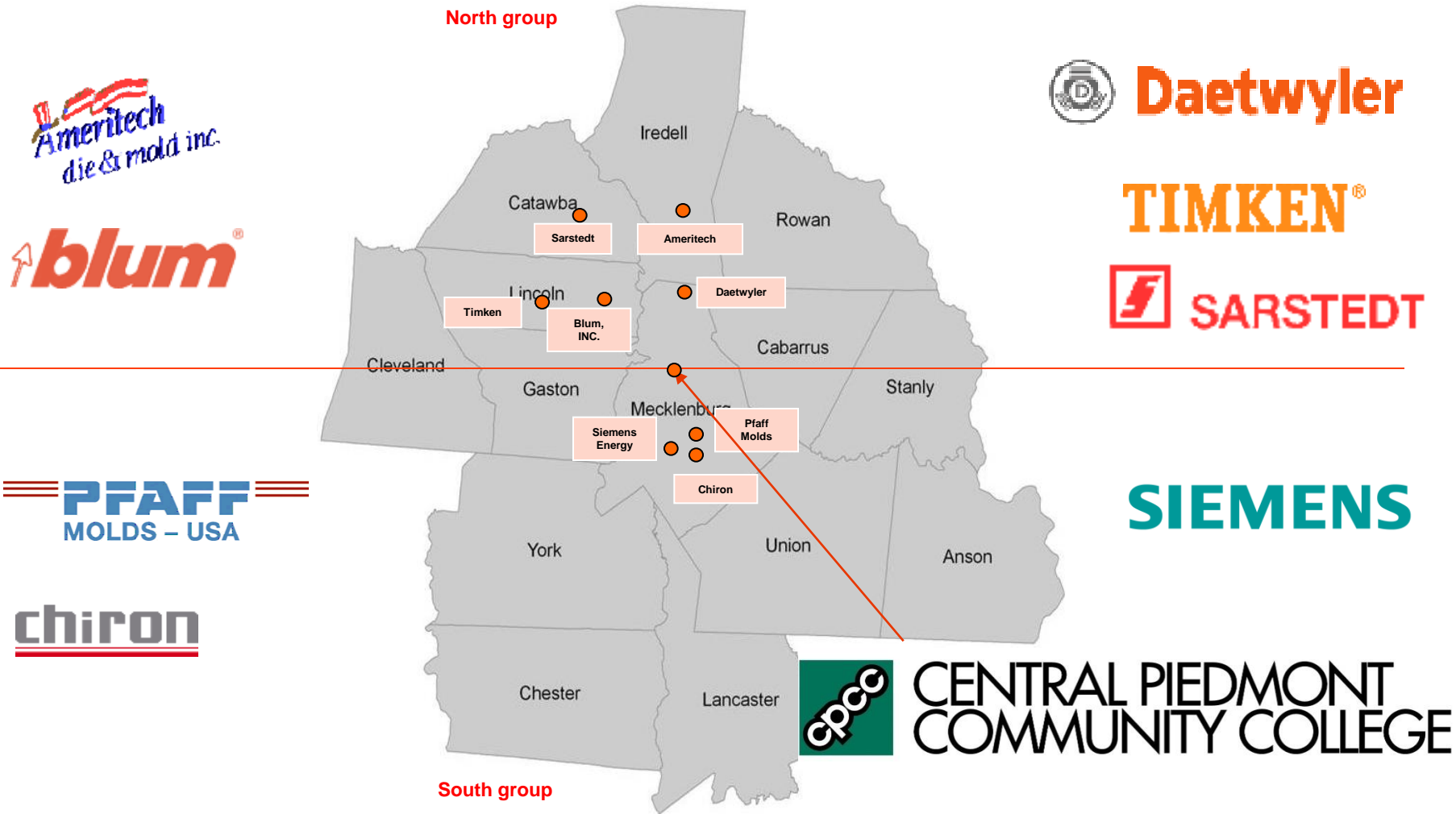


# Current trades

- CNC Machinist
- Welding Fabricator
- Machinist
- Tool & Die Maker
- Machine Technician
- Mold/Plastics Technician
- Mechatronics Electrician
- Mechatronics Technician



# Member Companies / Recruiting



# Why An Apprenticeship?

- Free college and a paycheck
- AAS Degree in Mechatronics
- Guaranteed Employment
- Successful since 1995 and growing
- Nearly 200 graduates since inception



# Why not in printing in the USA?

- Historically Proven (World-wide)
- Workforce Development issues faced head-on
- Create ideal workforce (Shaping perfect employee for needs)



An example in the printing world...

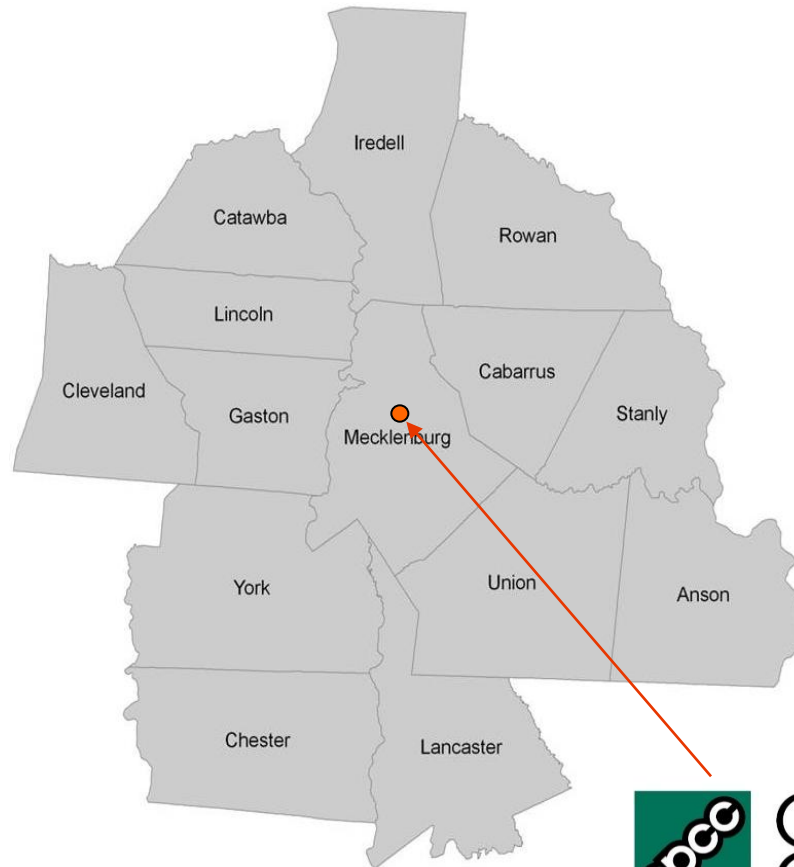


# Printing Areas In the USA

- Printing Hot beds USA map



# Charlotte Area Example



CENTRAL PIEDMONT  
COMMUNITY COLLEGE

# Local example in Charlotte area

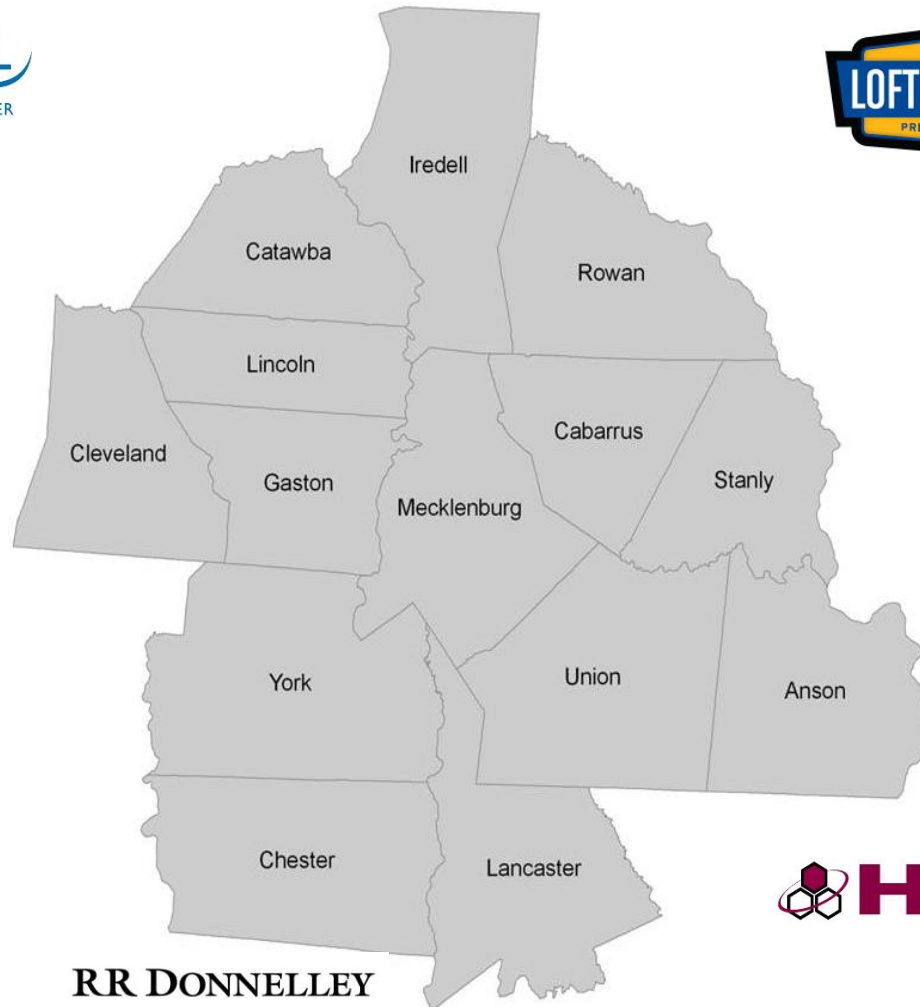
## CPCC Graphic Communications Program

- Flexography
- Pre-press and Digital Imaging Design Software and Color Management
- Imaging Technology
- Offset Lithography
- Screen Printing
- Emerging Printing



# Charlotte Area Example

**CCL LABEL**  
YOUR GLOBAL PARTNER



**DNP**  
Dai Nippon Printing Co., Ltd.



**RR DONNELLEY**



# Key to success

- **Enough Participating Companies with common goal**
  - ✓ At least 10 students per year
- **Willingness to invest time and energy**
  - ✓ Cost per student between \$120-150K
- **Non-competing companies with common skill-set/needs**
- **Technical school with proper curriculum**
- **No Politics!**
  - ✓ Single goal always paramount; Workforce Development