

# CARDINAL MANUFACTURING

A Student-Run Machine Shop



[www.cardinalmanufacturing.org](http://www.cardinalmanufacturing.org)

# Instructor: Craig Cegielski

- Marshfield High School  
1993 graduate.
- Machining and Welding  
1992-1998
- UW-Stout 1994-1998
- Antigo High School  
1998-2004
- Machining and Welding  
2004-2005
- Eleva-Strum High School  
2005-Present



# Located In:



Strum, Wisconsin

# Program History

- The focus of the first two years was to improve the shop.
- In 2007 Cardinal Manufacturing was founded.
- Since 2007, Cardinal Manufacturing has grown each year, and will continue to improve for years to come.



# Remodel Project



New Office Space



Entryway



Classroom Remodel

# What is Cardinal Manufacturing?



- Student-Run machine and fabrication shop
- Teaches employability and technical skills
- High level class with no extra cost to the school

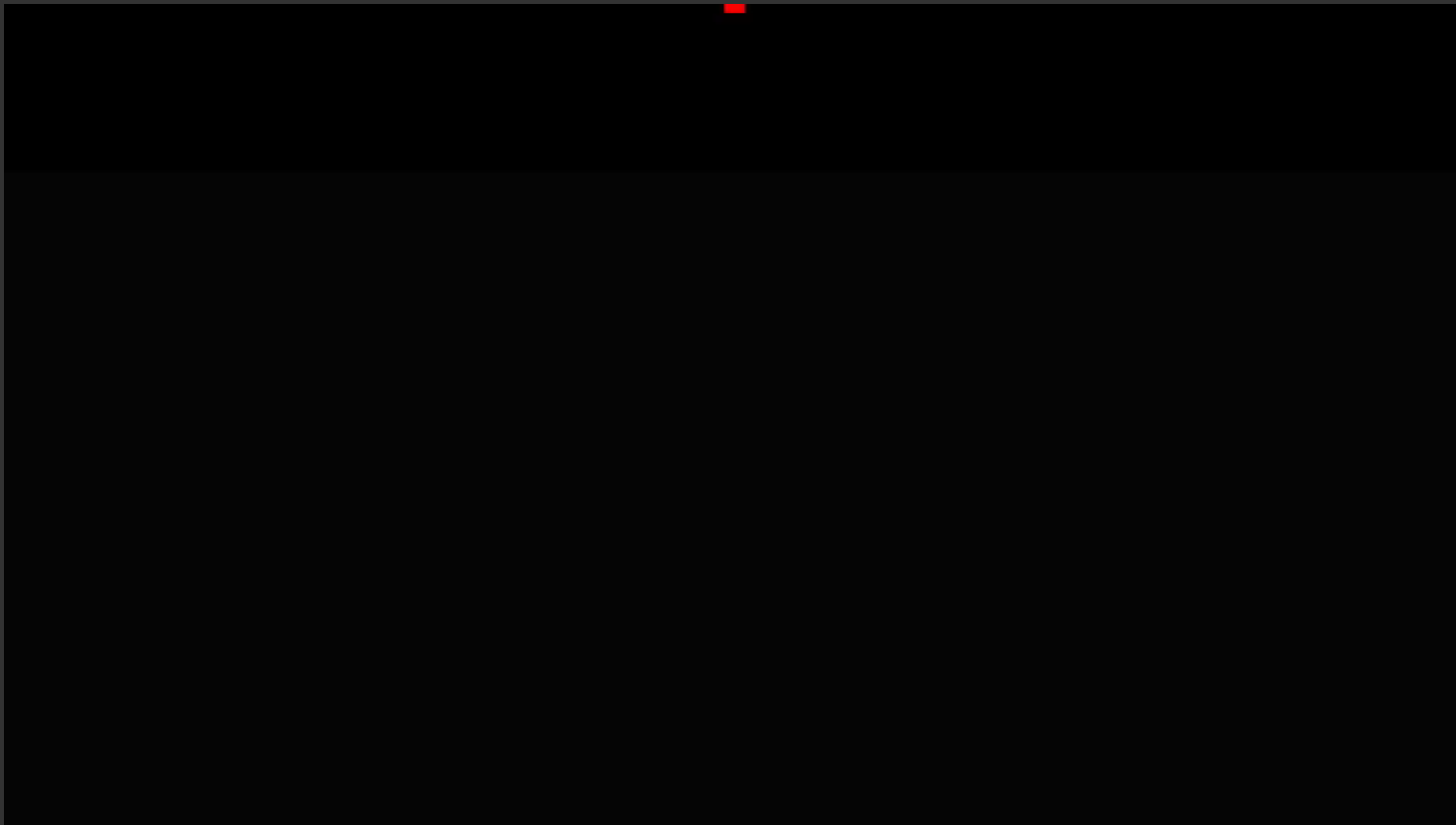
# Cardinal Manufacturing Employees

- Office Manager
- Marketing Manager
- Machinist
- Welder
- Expanding to Engineers and Production Manager



# You Tube Video

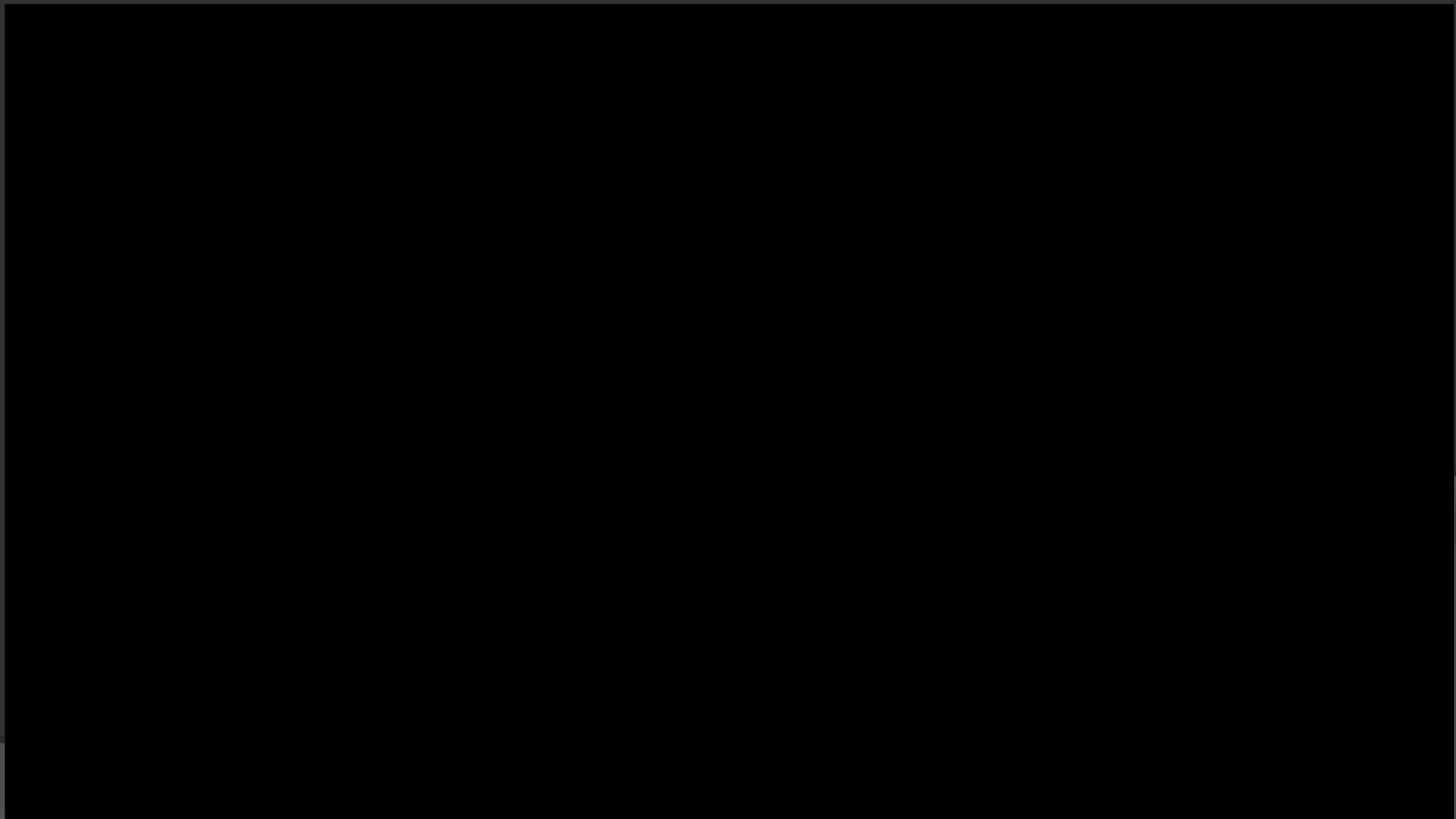
- Perspectives on Cardinal Manufacturing





# You Tube Video

- Governor Scott Walker Visits Cardinal Manufacturing



# Application Process

- To apply students must:
  - Be juniors or seniors
  - Complete Metals I and II
  - Complete a portfolio including:
    - Cover Letter
    - Resume
    - Reference Letters
  - Attend an interview with the instructor and the school counselor.
- If students aren't accepted their first year, they can take metals III and reapply their senior year.



# How does Cardinal Manufacturing Work?

- In order to get the job done, students must:
  - Quote the job
  - Order materials
  - Order tooling
  - Manufacture the parts
  - Check the quality
  - Ship the products
  - Invoice the products
- Students are also in charge of:
  - Customer Service
  - Accounting
  - Marketing
  - Recording work hours
  - Work as a team to make deadlines
  - Learn employability skills

# Benefits of Cardinal Manufacturing

- Higher level manufacturing program at no additional cost
- Natural relationship building with local industry
- Gives students a place to belong in the high school
- Gives relevance to other high school classes
- Prepares many to go on to further education with confidence
- Builds self confidence and pride in students
- Filling the skills gap one student at a time

# Ten Commandments for Career Success

1. Be Positive: Attitude is everything
2. Show up: On time, everyday, reliably
3. Work Hard: Earn your keep, get something done
4. Get Along: Play together nice in the sandbox
5. Pay it Forward: Do more than is expected today, and you will receive more than you expected
6. Be Flexible: Willingly take on different tasks
7. Figure it Out: Be a problem solver, not a problem asker
8. Join the Club: Be proud to be a part of your organization
9. No Whining: Communicate positively and well, don't be high maintenance
10. Keep Learning: If you don't keep up, you will become obsolete

# Tyson Rohrscheib

- Middle school
- Freshmen and Sophomore
- Junior
- Senior
- Post high school plans
- Career options

# Anthony Topper

- Cardinal Manufacturing Welder
- Chippewa Valley Technical College  
Welding Program
- Career as a welder in a local shop

# Cole Nichols

- Middle School years
- Freshman and Sophomore
- Junior year
- Plan for Senior Year
- After High School plans
- Career plans



# Q & A

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