Industry Needs

- Trained work force
- Industry has done a bad job training work force for last 20 years
  - Need to team up with PCC to train the work force
  - Need to market to grades 7–12 to promote manufacturing
  - Also helping the state wide industry group AMP to try to get more funding from Legislature
- Need to help High Schools prepare students for the PCC program
- Have a National Institute for Metalworking Skills (NIMS) certified program both at PCC and the High Schools
Identified industry need
Surveyed 38 companies with machining operations
Confirmed need
Industry acknowledged intent to fix problem
Addressed college program
Industry input accepted
Short term wins with long term game plan
Other trade program issues
Project Partners Include:

- Abrams Airborne Manufacturing, Inc
- AGM Container Controls, Inc
- Air System Components, Inc.
- Airtronics
- Alcoa Fastening Systems
- American Turbo Systems
- Anewco Products, Inc
- Arcal Precision Components Inc
- Argus Machine, Inc
- B/E Aerospace
- Clean Cut Metals
- Desert View High School
- Dynamic Engineering
- Hi Tech Machining & Engineering
- Industrial Tool, Die & Engineering, Inc
- Lindel Engineering
- Materion Ceramics
- Parker Hannifin
- Pima Community College
- Pima County One Stop
- Raytheon
- Sargent Aerospace & Defense
- TAG Engineering, Inc
- Tucson Unified School District
- VROOM Engineering & Manufacturing, Inc
- Zygo Corporation
Addressing Industry Needs

1. Revise course content to meet industry needs

2. Provide certificate or associate programs that meet industry needs
Addressing Industry Needs

3. Strengthen the adjunct certification process

4. Become a NIMS accredited program
Pilot at the Downtown Campus

- Development of Industry Tier 1

- A pilot is being offered this semester to a group of recent high school graduates. It includes:
  - Summer internships provided by industry and supported by the Pima County One Stop (PCOS)
  - Tuition paid by PCOS
  - Dedicated Machine Tool classes for the pilot students
  - Students work in industry in addition to taking classes
  - Collaboration between the Downtown and Community campuses
Summary and Next Steps

- Partnership between industry, PCOS, local high schools and PCC

- Pilot program is being offered this semester

- Future work at Pima includes:
  - Refining the Machine Tool curriculum to meet industry needs
  - Offering Tier 2 in the spring
  - Investigating becoming a NIMS accredited program, including curriculum alignment
  - Embedding industry input into program development