MECHATRONICS PROGRAM

MAT 2 SQUARED

MICHIGAN ADVANCED TECHNICIAN TRAINING

K+S Overview

- **Independent Company Specializing in the Repair of Manufacturing Equipment Components**
- **Established in 1982**
- **ISO 9001 – 2008 Certified**
- **15 Global Repair Facilities**
  - **8 in United States**
  - **2 in Canada**
  - **3 in Europe**
  - **2 in Mexico**
- **Supporting over 9,500 customers**
- **Full Range of Repair Capabilities Including;**
- **Electronic, Robotic, Servo Motors, Mechanical, Hydraulic, Welding, and Precision Machining**
- **All Repairs are covered by a 12 Month In Service Warranty**

Motor Repair Division:

- Full In-House Rewind Capabilities
- AC/DC Motors
- Servo Motors

Electronic Repair Division:

- Drives
- Boards
- PLCs
- Terminals
- Monitors
- Robotics
- Encoders
- Laser Scanners
- Light Curtains
- Power Supplies
- Welders
- Weld Controls

Weld Gun Repair Division:

- Refurbishment of Weld Guns
- Gun Arms
- Tip Holders
- Shanks
- Cylinders
- Other normally discarded welding components

Spindle Repair Division:

- Motorized
- Turning
- Grinding
- Hydrostatic VMC and HMC Spindles
- In-house machining and rewind services

Encore Systems

Tool Repair / Calibration
Controller Repair
ISO/IEC 17025 Accredited

Mechanical Repair Division:

- Hydraulic Pumps
- Water Pumps
- Vacuum Pumps
- Blowers
- Servo Valves
- Actuators
- Cylinders

Diverse Industries Served

Aerospace

Agriculture

Alternative Energy

Automotive

Food and Beverage

Transportation

Manufacturing

Steel

Tire and Rubber

K+S Labor Force Concerns

- **Aging Work Force**
- **Unique Field**
- **Difficult to Find Experienced Candidates**
- **Extended Learning Curve**

Advantages

- **Qualified talent pool**
- **Affordable**
- **Curriculum is focused on industry's needs**
- **Students have the opportunity to apply coursework to real world situations sooner**
- **Work session knowledge supports coursework**
- **Students are better prepared to work in their chosen field**
- **2 year work commitment once degree is obtained**
- **Student generates revenue during work periods offsetting a portion of the program cost**

Best Practices

- **Interview several students**
- **Hire students early**
    - **Allows employer to evaluate the student before program starts**
    - **Allows the student to evaluate the employer and the position**
- **Provides the employer with time to create a training program**
- **Participate in the program's development**