Manufacturing Education Training System (METS)

- Emco Turn 55 CNC Lathe
- Emco Mill 55 CNC Mill
- Next Engine 3D Scanner
- Dimension 3D Rapid Prototype Printer
- Laser Pro 25 watt Pass-through Laser
- Hypertherm Plasma Torch
- Miller XMT 304 Welding Unit
- Starrett Precision Inspection Kits
- Bench Top Drill Press
- Programmable Logic Control (PLC) Workstation
- 10 Laptop Workstations with 3D CAD Software
- Sound and Video Display System
- On-board Diesel Generator
- On-Board Heat & Air Conditioning System
- Miscellaneous Hand Tools, Tables Chairs, etc.
- Extendable Outdoor Awning
- Handicap Accessible Ramp
- Pulled by a Freightliner Sport Chassis RH 114A
Two ceiling mounted TV monitors are networked to the instructors workstation and DVD player for instructional purposes.

20 feet of stainless countertop allow room for bench work when using precision measurement tools and other activities.
Ten wireless workstations allow students to create and share CAD or other projects with the Mill, Lathe, Laser, 3D Scanner and 3D Rapid Prototype machine.
The 25 Watt Laser Pro allows etching on glass, coated metals and wood. Other materials such as plastics and laminated can be through-cut.
Objects created with CAD Software, or loaded from other sources can be downloaded to the mill for production.
Same as the Mill, this EMCO Concept CNC Lathe will machine components created by students.
The Dimension 3D Rapid Prototype Printer is one of the most exciting machines in the trailer. The ABS plastic “weed eater string” type medium is fed to the printer building the most simple, to extremely complex objects.

This machine saves time and money by allowing a shorter turn-around time from concept to full production.
The Hypertherm Plasma Torch, and Miller Welding Unit allows students the opportunity to experience techniques needed to build strong structures.
The lab allows full access to wheelchair bound visitors.
Pioneer Technology Center is on the road to help grow Oklahoma’s economy through a “Hands On” educational encounter for young learners and adults while providing an experience they’ll

NEVER FORGET!
For More Information Call:

Johnny Thornburg (580) 718-4328
Pioneer Technology Center
2101 N. Ash
Ponca City, OK 74601