

## Upgrade Welding Shop

*Ashland East Park CTC Ashland, KY*

Owner: Kentucky Finance Cabinet - DECA

User Agency: KCTCS

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Construction Cost: \$ 607,000

Project Status: Completed 2022

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### Project Description:

Project included complete demolition of existing welding exhaust system and lighting. Entire shop was cleaned and painted. Adjacent welding classroom was completely renovated with new finishes.



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### Engineering Highlights:

#### HVAC/Welding Exhaust System:

The existing shop has 36 welding booths making this one of the largest welding programs in the State of Kentucky. The program is ranked 3<sup>rd</sup> in the Nation and has morning, afternoon, and night classes. This project replaced old ineffective welding exhaust system that also has 100% outside makeup air. All new pre-manufactured high velocity ductwork system was installed to new air filtration units located on the exterior of the building. This filtration system requires no energy to temper recirculated air saving energy costs.

Point of use fume extraction arms were installed throughout that give a high percentage capture rate, keeping shops clean and safe.

#### Electrical:

All new lighting was installed throughout the entire shop area. Existing classroom was renovated with new troffers and ceilings.