

Coppell High School Arena

Designed and Installed by 32 Degree Audio



High school sports are a big deal in Texas and Coppell High School is no exception. Part of the Coppell Independent School District in northwest Dallas County, the 5A-rated school is the alma mater of top professional athletes, such as 2014 American League Cy Young Award-winning pitcher Corey Kluber of the Cleveland Indians.

Challenges

- In addition to delivering loud, clear sound for music and speech, the arena's speakers needed to be absolutely reliable and intelligible throughout the space to deliver bell tones and emergency announcements as needed
- The arena's loudspeakers needed to be easy to hang and align

Solution

After conducting acoustical modeling on the space, Fulcrum recommended DX1577 and CX1277 loudspeakers to Ron Stanley of systems integrator 32 Degree Audio. For the main system, Stanley employed 14 DX1577 dual 15 inch coaxial loudspeakers, suspended from the ceiling and configured as a distributed ring. Three Fulcrum CX1277 12 inch coaxial loudspeakers were hung over the basketball and volleyball court, pointing straight down to cover the court area. The DX1577s' solid low frequency response down to 43 Hz eliminated the need for flown subwoofers which would have complicated placement and alignment. Additionally, as DX and CX Series compact coaxial loudspeakers weigh under 90 lbs. each, they were easy to hang using 1/8 inch steel cable without any complicated bridles.

Project Details

Location

Coppell, Texas

Category

Sports (arena)

Project Type

2,600-seat indoor arena to host athletics and other events

Fulcrum Products

(14) DX1577 Dual 15 inch Coaxial Loudspeaker, 75° x 75°

(3) CX1277 12 inch Coaxial Loudspeaker, 75° x 75°

Supporting Products

Crown DCi-Series Multi-Channel Amplifiers

BSS Soundweb London Blu-160 DSP

Soundcraft Digital Mixer

