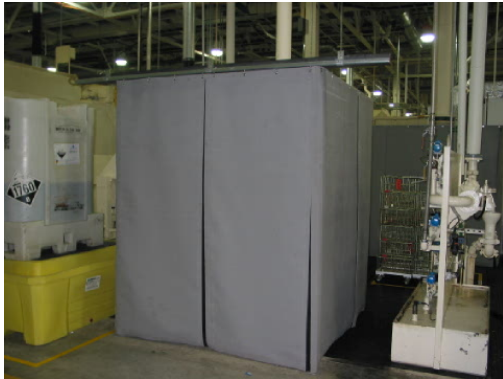


Hydraulic Pump Sound Control Case Study

A manufacturing plant contacted Unger Technologies regarding high noise levels from a hydraulic pump unit located in the middle of their plant floor. Plant employees were being exposed to constant sound levels above 92 dBA from two hydraulic pump machines.

We conducted sound level readings around the machine and noted mid frequency levels between 91- 94 dB 10 feet from the machines. This was consistent sound levels that were published from the manufacturer.

Our client expressed a need to access the machines for routine maintenance. They also did not desire a full sound enclosure because of ventilation and lighting concerns.



Floor mounted Sound Curtain Enclosure



Sound Curtain with Doors partially open

Unger Technologies solution was an open topped four sided sound curtain enclosure (see above). We supplied our rugged industrial sound curtains with a floor mounted steel support. We engineered a full 8' opening sliding sound curtain access door. This door was achieved with nylon rollers with hooks that suspend our sound curtain with eyelets.

The sound reduction was measured at 14 decibels thus achieving the customer's acoustic goals well below 85 dBA.

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