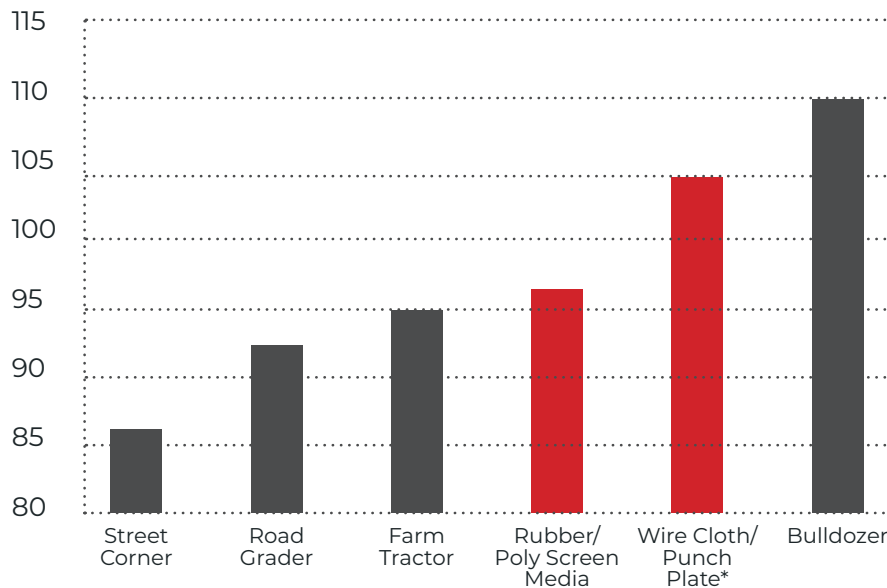


## SCREENING ISSUES

# NOISE REDUCTION

Recorded Noise Levels From Various Sources



## Description

One of the most common characteristics of steel screen media is the extremely high noise level, often registering 105 decibels or even higher, that is created when the screen deck is running. Extended exposure to this level, defined by MSHA as a period of one hour or more, can cause hearing loss if repeated over time. Not only does this endanger plant operations personnel but also can become a serious issue with any neighboring homes or businesses.

## Solution:

Polydeck's synthetic screen media, either polyurethane or rubber, can provide a significant reduction in noise level over traditional wire cloth or punch plate systems. Synthetic media typically produces about 96 decibels in similar running conditions, which the human ear registers (subjectively) as a 50% reduction in sound. Acoustic pressure on the ear drum is reduced by approximately 69%. Not only does this allow longer exposure in the work environment, more than double that of steel screen media, but it also promotes greater worker comfort and safer work conditions.

## Options:

Our wide range of screen opening shapes and sizes, coupled with our Maxi™ screen panel design, mean that you don't have to lose open area or production capacity in order to convert to the quieter, safer Polydeck modular synthetic screen media solution.

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