

**ASTEC**  
**MOBILE SCREENS**  
 an Astec Industries, Inc. Company



Astec Mobile Screens offers the PEP 6' x 12' series of Duo-Vibe® high frequency screens. These screens provide the material producer with a scalper top deck and high frequency bottom deck for pre-screening and/or fines removal applications. Various configurations for the screens are available in both portable & stationary structures, as well as mobile screening plants depending on model.

One of the many advantages a high frequency screen provides the material producer is the ability to achieve higher production rates with more efficient sizing when compared to conventional screens. The higher production is achieved by an aggressive screen vibration applied directly to the screen media. The high level of vibrating RPMs allows for the material to stratify and separate at a much higher rate.

## 6 x 12 PEP Duo-Vibe Screens



**2612D** Double Deck: 5' x 10' top scalper deck; 6' x 12' bottom high frequency deck  
 Two (2) - 5' x 5' panels on top deck  
 Two (2) - 6' x 6' panels on bottom deck  
 Weight.....6,500 lbs.\*

**3612D** Triple Deck: 5' x 10' top scalper deck; 6' x 12' middle & bottom high frequency decks  
 Two (2) - 5' x 5' panels on top deck  
 Two (2) - 6' x 6' panels on middle deck  
 Two (2) - 6' x 6' panels on bottom deck  
 Weight.....10,000 lbs.\*

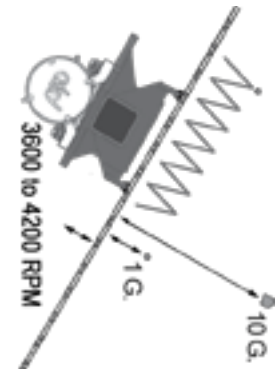
\*Weights include all chutes and hoppers

Top scalper deck driven by 1200 RPM electric vibrating mechanism mounted on screen. All high frequency decks are driven by variable speed hydraulic vibrators (0-4200 RPM) for optimal screen efficiency and production; electric vibrators operating at 3600 RPM on the high frequency decks are available upon request.

### OPTIONS FOR ALL SCREEN SIZES:

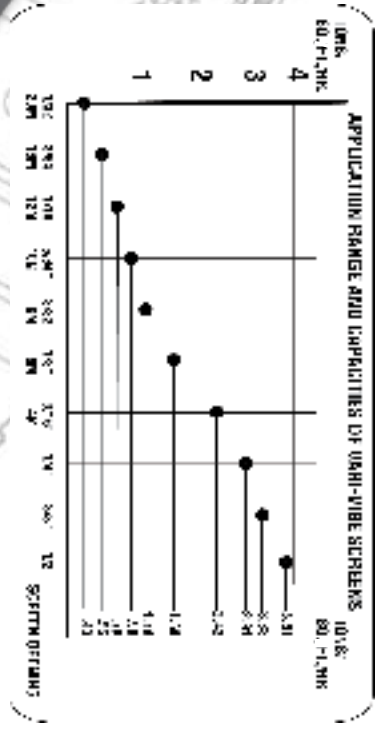
**Screen Cloth** - Various types of screen media are available for multiple applications.

# PEP Duo-Vibe Screens

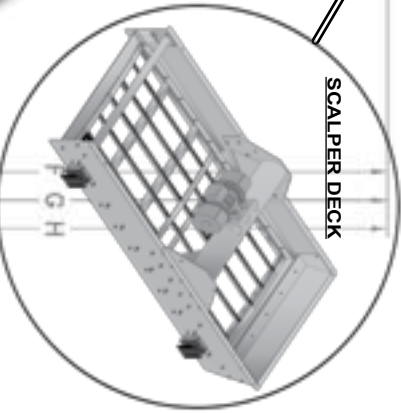


**ELECTRIC/HYDRAULIC VIBRATORS:** All high frequency screens decks are driven by variable speed hydraulic vibrators (0-4200 RPM) for optimal screen efficiency and production. Electric vibrators operating at 3600 RPM are available upon request.

**DIRECTLY INDUCED VIBRATION:** Applying high speed vibration (3600 - 4200 RPM) directly to the screen media allows for increased stratification and separation of material. This improves screen efficiency at high production rates as compared to conventional screens. Coarser material requires more amplitude and less frequency, while finer material requires less amplitude and more frequency.



**MULTIPLE APPLICATIONS:** High production with efficient sizing can be achieved in crushed stone, recycled asphalt (RAP), sand & gravel, coal, fly ash, slag, coke and more. Standard material separations range from 3" - 5/8" (top deck) and 1/2" - 30M (bottom decks) in the Duo-Vibe screens. Tonnages will vary depending on application requirements: feed material size, material separations, type of screen used, weight of material and other considerations



**ROTARY TENSIONING SYSTEM:** Unique tensioning system provides the quickest screen media changes in the market. Easy replacement of each screen section translates into less downtime for screen changes and increased operation time.

**SCALPER DECK**

**MULTIPLE SCREENS CONFIGURATIONS:** Duo-Vibe screens are available with double and triple deck configurations ranging from 5' x 10' to 5' x 15' scalper top deck and 6' x 12' to 6' x 24' high frequency bottom deck(s). Top deck scalper operates at 1200 RPM, while high frequency bottom deck(s) operate at 3600-4200 RPM.

