New Design Concept Simplifies Eccentric Weight Adjustment for Circular Screen Separators
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Kason engineers have designed a new system for adjusting the unbalanced weights which produce vibratory motion on the VIBROSCREEN circular screen separator. This new system does not require any tools or disassembly. These features are especially helpful for processors that use the same unit for different applications that may require frequent amplitude adjustments. The new "E-Z Slide" Unbalanced Weight System design (patent applied for) will make adjustments simple.

Users of circular screen separators know that the top eccentric weight influences the radial rate of movement of material on the screen surface. The greater the top eccentric weight, the greater the horizontal amplitude. The bottom eccentric weight controls the vertical screen motion and helps to dislodge near size particles clogging the screen aperture.

Typically, circular vibratory screen separator operators adjust upper and lower eccentric weights as well as the lead angle between the eccentrics to achieve the best screening efficiency for the material. Making these eccentric weight adjustments in traditional machines took considerable time.

This new system, as the saying goes, requires "no tools, no talent and almost no time." Yet the "E-Z Slide" Unbalanced Weight System is effective and cannot be shaken out of position by machine lurching during shutdown.

The "E-Z Slide" Unbalanced Weight System is an option for VIBROSCREEN purchasers and may be retrofitted onto older units. However, as a retrofit option, access openings in the motor support table for the top eccentric would have to be cut on site, or returned to Kason for modification. Access to the upper eccentrics is through two entry ports in motor support table and through the door in the base for the lower eccentric.

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