

SCREENS AND FEEDERS

- VERSATILITY - DURABILITY - PROFITABILITY -

UNIVERSAL VIBRATING GRIZZLY FEEDER



The Universal Vibrating Grizzly Feeder provides a continuous feed rate under a variety of loading and material conditions. Rugged construction takes the heavy shock loads of trucks, shovels and loaders. The main frame is comprised of deep fabricated side frames and heavy-duty cross-members, all welded and stress-relieved into a unit which gives you years of maintenance free service.

The standard grizzly area provides for either horizontal or sloped grizzly bars. This highly versatile feeder also offers adjustable bar spacing to complement various crusher settings. Grizzly bars are quickly re-spaced with an ordinary wrench. The tapered openings have a self-cleaning effect when rocks hanging between the bars are nudged along to increasingly wider openings. Diamond shaped bars prevent fines from riding along top of grizzly into the crusher. Overall plant capacity is increased when material already-to-size is allowed to bypass the crusher. This boosts efficiency, controls fines, and reduces maintenance because only oversized materials are put through the crusher.

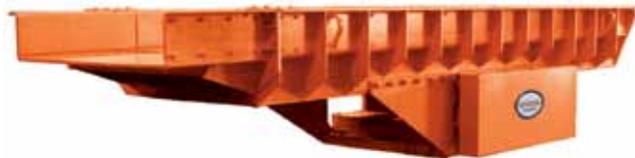
Replaceable liners protect the pan. Liners are built in segments for the most economical replacement. Countersunk liner bolts avoid material buildup. Two extra heavy, perfectly machined and matched, high-alloy steel counterweighted shafts provide ample cyclic power to vibrate the feeder under heaviest loads. Shafts ride efficiently on large anti-friction bearings lubricated with positive oil mist on the gear side and grease lube on the opposite side.

The Universal Vibrating Grizzly Feeder is also available with a two step grizzly configuration. Two grizzly bar sections positioned horizontally with a large step between sections tumble the material for more efficient removal of fines. The two-step grizzly may also be used in applications where two different sizes of material are desired through the bars. This allows the Universal Vibrating Grizzly Feeder to function as an excellent rip-rap feeder.

Larger selected models are equipped with cartridge style bearings to prolong life of bearing surfaces adding additional life to the vibrating mechanism. Add up the Universal Vibrating Grizzly Feeder's advantages and it

UNIVERSAL VIBRATING PAN FEEDER

The extra heavy-duty Universal Vibrating Pan Feeder mounted on coil springs provides for high production, with an even disbursement of the product. The pan bottom and sides are lined with impact, abrasion resistant alloy steel liners. The pan bottom is also lined with thick oak impact liners under the alloy steel liners. Two extra heavy, perfectly machined and matched, counterweighted alloy steel shafts provide ample cyclic power to vibrate the feeder under the heaviest of loads.



The Universal Vibrating Pan Feeders are available in widths from 50" to 82" and lengths up to 25' to fit any application. Pan feeders can be furnished with a motor mount in the compartment with the vibrator for increased clearance under the feeder. These heavy-duty feeders have been field-proven in a variety of applications in the aggregate and industrial markets.

UNIVERSAL SCREENMASTER

The Universal ScreenMaster provides an aggressive screening action with unsurpassed efficiency and overall capacity. This horizontal screen offers longer service life with numerous cost saving features.

A fully lined impact feed box takes the impact and shock load of fed material and distributes the material over the full width of the screen to provide maximum capacity and uniform screen wear. A vertical riser around the feed box is also a standard feature to help dissipate surge loads. The Universal ScreenMaster offers greater screening area on each deck because they are built 4" wider than some competitive models. This additional clear screening area gives you 10% to 20% more usable screen, resulting in more production and more profit. The exclusive suspension pioneered by Universal, provides a unique non-linear cushioning effect that helps to isolate all framing and support structures from damaging effects of vibration. The phasing arms provide positive aligned control of the screen action. These rugged, tubular steel assemblies are yoked through the frame to pivot at the bottom and provide a flexible connection between the screen basket and the frame.



The Universal ScreenMaster is available with two or three decks and is available in a variety of sizes to fit every installation, whether portable or stationary.

UNIVERSAL RECIPROCATING PLATE FEEDER



The Universal Reciprocating Plate Feeder is noted for its smooth reciprocating action providing a uniform feed rate. The feed rate is varied by changing the eccentric throw on select models. Anti-friction bearings, steel rollers, and suspension construction reduce maintenance and downtime.

The Universal Reciprocating Plate Feeder is ideal for sand, gravel, and recycle operations or in portable plants where the rugged durability of the feeder aides in the crusher discharge.

The Universal Reciprocating Plate Feeder is built in a range of sizes and types for shovel or dragline loading,

CRAFTSMANSHIP, PARTS AND QUALITY



Crushing equipment is only as good as the quality assurance programs of the manufacturer. Universal Engineering takes every step to make sure your equipment is built with superior workmanship. From engineering and design to manufacturing and shipping, Universal Engineering employees give each order the conscientious care that has made us industry leaders!

Our parts specialists are dedicated to providing our customers with prompt, efficient service and high quality parts to reduce downtime. Efficient inventory controls assure competitive prices and quality parts to keep equipment and plants running. For more information about Universal Engineering's replacement parts and repair kits for vibrating assemblies, contact your local Universal Engineering distributor or give one of our parts specialists a call.



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