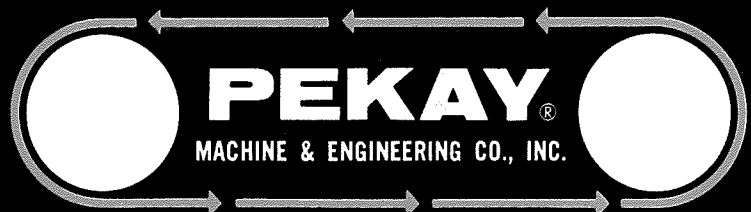


Continuous Belt Mixers and Components



PEKAY®

Pioneers and developers of continuous mixing and fluffing equipment

Thirty years ago, Pekay introduced the concept of on-the-belt mixing to the foundry industry. The equipment was designed to mix water, sand, and a bonding agent directly on a moving conveyor belt.

Within a short time, Pekay mixers were adopted by ore processors to mix bonds with various ore concentrates such as iron, zinc, copper, lead, and chrome.

Today, Pekay mixers and fluffers can be used in practically any continuous process where materials are conveyed on a belt.

Typical applications include:

- Processing of refractories, tile, and brick
- Mixing of cyclone or precipitator dust for reprocessing or disposal
- Blending of feed and grain with liquid or solid additives
- Mixing of different types of coal, oil, antifreeze, and additives in briquetting processes

Our testing laboratory contains two production size mixers in a closed-loop system. After consulting with you, we can experiment with your materials to determine the precise equipment required.

All Pekay units are engineered to meet the specific standards of each application, with virtually no limitations in tonnage rates. Since the equipment features a modular design, additional units can easily be put in line to handle future increased production requirements.

Advantages of using Pekay on-belt mixers and fluffers

Low initial investment

Pekay units cost at least 1/3 less than conventional machines of similar rated capacity.

Lower operating costs

Pekay's low horsepower requirements greatly reduce the operating cost-per-ton of processed material compared to other equipment of similar rated capacity.

Reduced installation time/cost

Pekay units are easy to install—usually in less than 25 man-hours. You can be up and running over a weekend.

Easy maintenance

Rugged construction and simplicity of design make Pekay units long lasting and trouble free in operation. All parts are readily available and easily removable when replacement is needed.

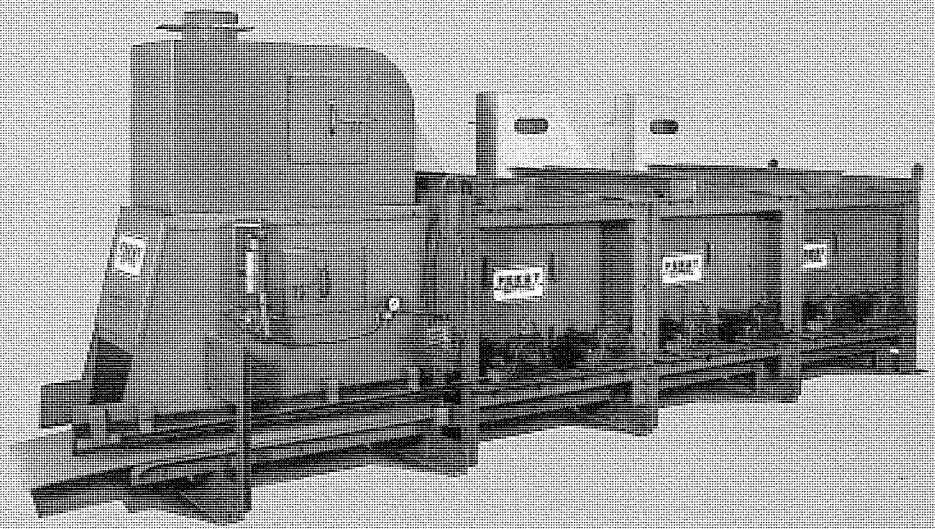
Pekay Mixer

This continuous, small-increment mixing unit mounts directly onto your existing conveyor. It contains a predetermined number of mixing wheels positioned approximately $\frac{1}{4}$ " over the load carrying portion of the belt, perpendicular to the flow of material.

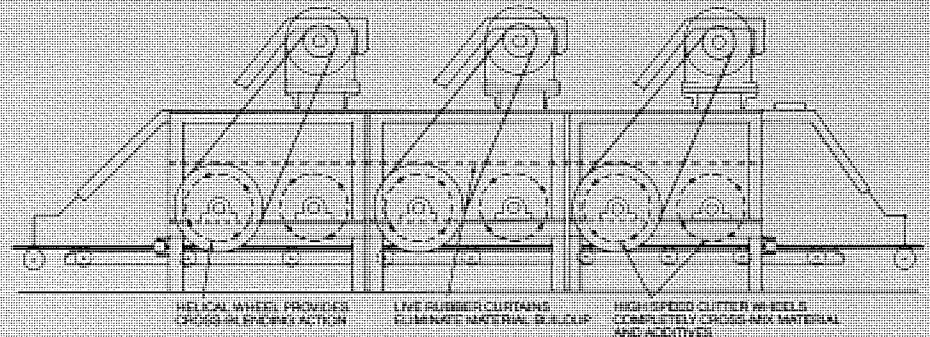
The high rotation speed of the wheels in relation to the belt speed allows for extremely small increment mixing — the key to the effectiveness of Pekay mixers.

The mixer housing is fully lined with rubber curtains and is sealed to the belt by adjustable double belt skirts.

Pekay mixers can be used to mix virtually any wet or dry substance that can be conveyed on a belt, with a particle size of up to minus $\frac{1}{2}$ " mesh.



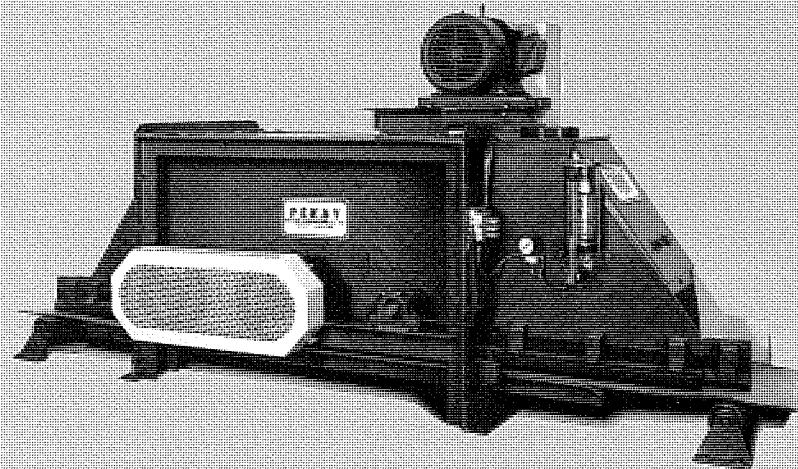
PEKAY 6 WHEEL MIXER



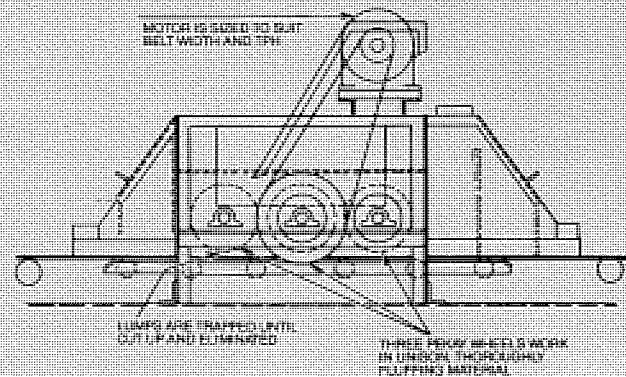
Pekay Fluffer

This fluffer unit breaks up any lumps or compacted material caused by belt transfers or temporary storage. The use of a fluffer provides additional mixing, thereby promoting a more uniformly prepared material.

Like our mixer, the Pekay fluffer is designed to mount over your existing conveyor line.



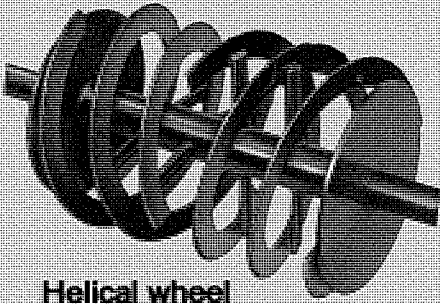
PEKAY 3 WHEEL FLUFFER



PEKAY

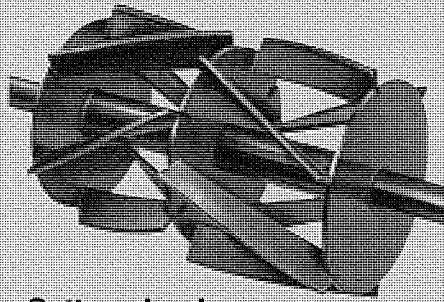
Pekay mixer and fluffer wheels

The three wheel types shown each have a specific function. Pekay application engineers will help you determine the proper wheel configuration for your application.



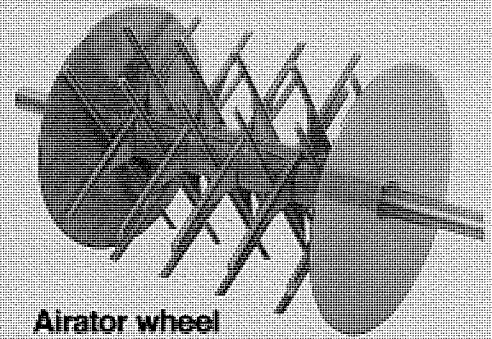
Helical wheel

Features an efficient cross-blending action which performs a superior pre-mix of liquids and dry materials.



Cutter wheel

Unique cross-mixing design provides excellent blending and aerating action. Each blade cuts and cross-mixes small increments of material and additives.



Airator wheel

Reduces material density by fluffing the material after mixing. Eliminates lumps caused by belt transfers or hopper storage.

Pekay M-T-MATIC™ elevator buckets

Carry a full load on every trip

Automatically self-cleaning... no dead plugs stay in the bucket after dumping! As the individually mounted Stripper-Plate starts around the head pulley, it is forced outward, providing a positive thrust. This breaks loose the bucket's contents, even if frozen or hard packed.

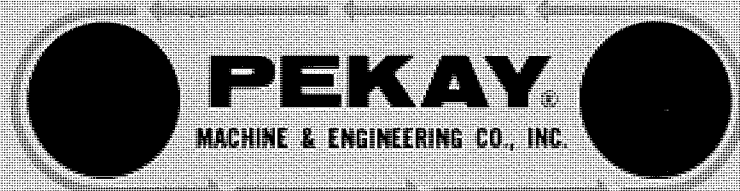
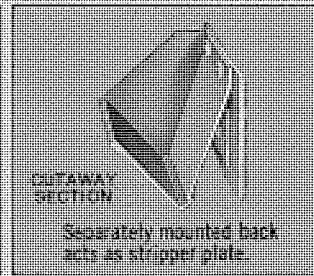
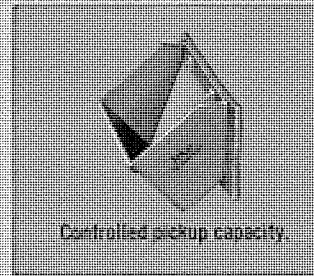
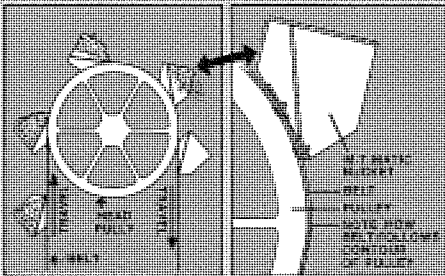
Besides saving time and labor, bucket wear is greatly

reduced because battering and prying are never needed to loosen hard plugs... strain and belt wear is reduced.

M-T-MATICS are quickly and easily installed, and are available in all sizes with or without reinforcement lip.

WRITE TODAY FOR PRICES

(Just give your present bucket size.)



2520 W. LAKE STREET, CHICAGO, IL 60612 • Phone 312/829-5530