



Processing Equipment

Hurricane



A New Concept in grinding

The energy needed for the rounding off of sharp-edged material is used efficiently in the friction drum HURRICANE. The abrasive action comes from the intense friction among the feed materials. No energy is expended for the motion of grinding elements. The sharp-edged construction of the drum and rotor surface mean that the material is ground between the wall baffle plates. This reduces wear and leads to high service life of the lining. The time needed to replace baffle plates on the drum and the sharp-edged bars of the rotor is minimal.



Before After



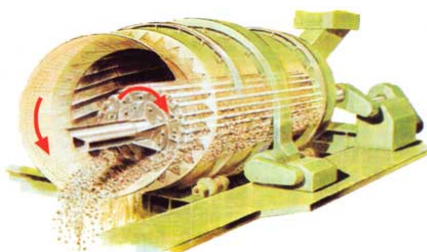
For the production of high grade concrete aggregates in large quantities, broken stones (crushed rock, fine gravel) will be polished, rounded and prepared for the supply to the concrete industry as aggregates of high grade. Intense contamination in the gravel is removed, soft rock will be broken up and porous stones will be polished.

An adjustable eccentric rotor is arranged in a cylindrical drum. Drum and rotor are turned countercurrent which results in an intense grinding action of material in a small area. The material is held by baffle plates in the drum and by sharp-edged bars on the rotor, so that friction between the components of the raw materials will be increased. The materials transported continuously in the drum by the unique design of the baffle plates. Continuous water supply separates contaminants and fine sand from the high grade materials.

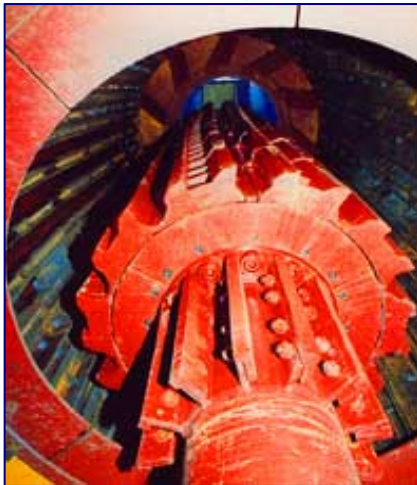
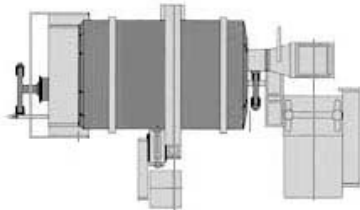
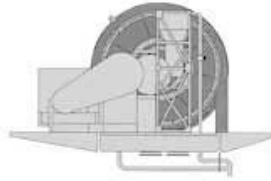
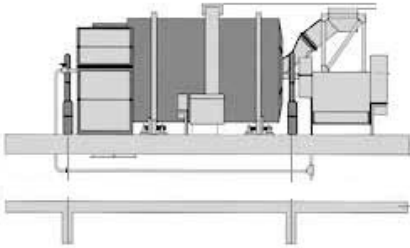
The final product has a uniform stability because weaker structures will be destroyed during the grinding process and new cracks are not originated. By use of the newly developed friction drum, HURRICANE high grade aggregates for the construction industry are produced.

Commercial advantages

- Expansion of production program i.e. roof rock.
- Upgrading of inferior gravels to high grade sales products in the gravel pit.



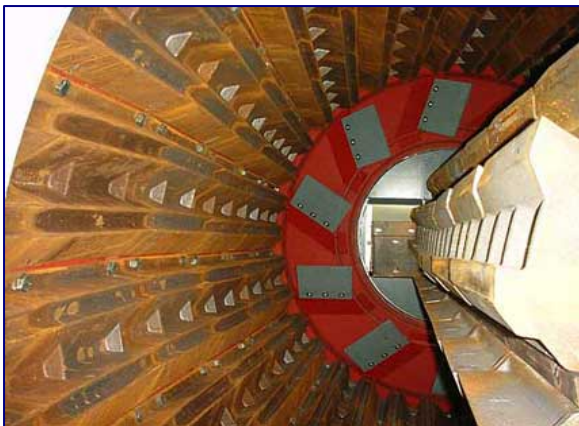
Processing Equipment



	HS 1	HS 5
Processing Volume	22 - 44 tph	55 - 110 tph
Drive Power - outside rotor	40 hp	75 hp
Drive Power - inside rotor	75 hp	120 - 175 hp
Drum Diameter	58.5 in	71.0 in
Drum Length	81.5 in	122.0 in
Weight	29,760 lbs	45,195 lbs

Additional Advantages

- The friction drum HURRICANE can be easily integrated into the production process by nature of its compact construction.
- Connection to screening machines or conveying installations is simple.
- Because of the intense friction generated by the process, the consumption of water can be kept extremely low. However, the effectiveness of the cleaning is extremely high.



WWW.ROHRCORP.COM

ROHR CORPORATION
6295 DRY FORK RD.
CLEVES, OH 45002

PHONE: 513.202.0800
FAX: 513.202.0888
EMAIL: INFO@ROHRCORP.COM

ROHR CORPORATION (WEST) PHONE: 925.687.9700
288 BUCHANAN FIELD RD. FAX: 925.891.3800
CONCORD, CA 94520