

CVC ELECTROMECHANICAL FEEDER

Case History



Increase productivity!



THE CLEVELAND VIBRATOR CO
2828 CLINTON AVE
CLEVELAND, OH 44113

www.clevelandvibrator.com
E-mail: cvc@clevelandvibrator.com

Dependability since 1923



800-221-3298
216-241-7157
fax: 216-241-3480

Need: to convey molten alloy dross

Solution: Cleveland Vibrator Model EMF ElectroMechanical Feeder with a 25" wide by 213" (17.75') long flat tray

Client: a leading supplier and producer of high performance engineered materials

The equipment is constructed of mild steel and is suspended with six spring hangers. The unit is stress relieved and a high temperature paint was applied.

The product contact tray is water cooled to remove heat from the product during transportation. There are three access covers with quick clamps and inspection ports at the infeed and the discharge ends of the feeder.

Power is supplied by twin rotary electric vibrators, 460 volt, 3 phase, 2 HP drives at 1800 RPMs

The Cleveland Vibrator Company offers a wide range of light, medium, and heavy-duty vibratory feeders and conveyors for controlling the flow of bulk materials. Model EMF Mechanical Feeders utilize the forces set up by two synchronized counter-rotating, heavy-duty vibrator motors. At two points in each complete revolution, the centrifugal forces of each vibrator coincide, resulting in a linear force. Mounting the vibrators to a rigid pan or trough structure that is properly supported on isolation mounts results in a straight line, push-pull, linear motion. The fact that the motors are synchronized and in balance with one another, eliminates the isolation problems normally associated with simple brute force, single eccentric drive systems. Motors with 900, 1200, 1800, and 3600 RPM are offered for various continuous duty applications. All motors are rated for continuous duty maximum force settings.