

# **AMPLI-FLOW**™

## ***Vibrating Feeders***

The efficient way to convey bulk materials.

***We Make Your Work Flow***

**Carrier**®

*Vibrating Equipment, Inc.*



# **WE MAKE YOUR WORK FLOW**

Since our origin in 1950, Carrier has been recognized as the industry leader in designing and building bulk material handling and processing equipment. From fine powders to hot castings, our unique expertise serves all major industries around the world - providing the most efficient systems to feed, convey, and process materials.

Our unmatched application experience and engineering assistance can prove invaluable to you in **SELECTING THE PROPER FEEDER TO SUIT YOUR SPECIFIC REQUIREMENTS.**

## **NATURAL FREQUENCY FEEDERS**

The natural frequency principle, pioneered by Carrier, and our proven advanced techniques bring the ultimate in performance advantages to the user. Innately efficient, these models handle high capacities with minimum stress, resulting in **LOW COST OPERATION OVER A LONG SERVICE LIFE.** Careful design considerations permit the internal spring system to supply the unit with energy it requires to maintain constant stroke under heavy and varying load demands. **MINIMUM HORSEPOWERS** are conserved for startup and compensation of frictional losses.

## **NATURAL FREQUENCY FEEDERS AVAILABLE IN FIXED OR VARIABLE RATES**

- **MODEL FC** — PREFERRED CHOICE FOR STANDARD FEEDER ECONOMY.

## **ADAPTABLE TO A VARIETY OF PROCESSING FUNCTIONS**

- **MODEL FCS** — Heavy-Duty, High Capacity, Varying headloads.

## **BRUTE FORCE FEEDERS**

Carrier's fixed, or constant rate feeder fills the need for more muscle in severe environments at low initial cost. The trough is vibrated directly by an induction motor carrying eccentric weights in this simple, rugged design. Capacities can be controlled with manual adjustment of rotating weights.

- **MODEL FTD** — Twin-motor. Heavy duty, On-Off Operation. Normal moderate headload.

## **TECHNOLOGY FOR PERFORMANCE**

For optimum feeder performance, consideration is given to required production rates, material characteristics, capabilities and environment of user facility.

Dimensions, recommended hopper designs, rate controls, and capacity charts are included in this booklet to assist in layout and planning feeder installations. Additional dimensions are available on request.

Our complete spectrum of sizes and options combine performance features for the majority of industries' needs.

## **ADDITIONAL CAPABILITIES INCLUDE:**

- Variety of trough configurations, abrasion resistant pans and liners, stainless steel and other special construction materials.
- High Temperature models to 2000°F.
- Tape heated or water cooled troughs.
- Suspended or supported isolation.
- Overhead or below drive mounting.
- Removable trough covers.
- Explosion proof designs.
- Scalping/screening/separation decks.
- Vibration absorption systems.

**YOU CAN RELY ON FAST, COURTEOUS RECOMMENDATIONS.** Our engineers are at your service for assistance in feeder selection. Tests in our lab set design parameters for solving unusual feeder problems and for special applications requiring an innovative approach.