

# SHOT BLAST SYSTEMS

## More than just conveying

Versatile vibratory conveyors by General Kinematics do more than just move materials. The inherent motion of continuously tossing and throwing material forward creates the opportunity to perform one or more processes along the way.

Blast load feeders offer un-paralleled flexibility in system design and efficiency. Vibrating blast load feeders can be designed to index forward, backward, up, down and side to side, as well as convey material in multiple directions. Optional automated gates, weigh cells, and other options allow you to precisely monitor and feed multiple shot blast machines with a single vibratory unit. Rail mounted feeders can index to each shot blast machine and feed material, then return to an accumulating feeder for the next material batch.

## Blast Systems include:

- ✓ Weighing & Accumulating Batch Feeders
- ✓ Index & Traverse Charge Feeders
- ✓ Blast Discharge Conveyors
- ✓ Controls
- ✓ Two-Way Feeders for casting distribution
- ✓ Shot Collection / Reclamation



**Two-Way Blast Charge Feeder**



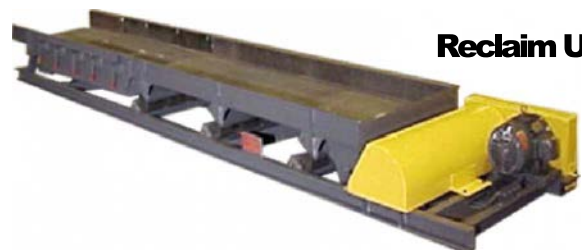
**Index & Traverse Charge Feeder**



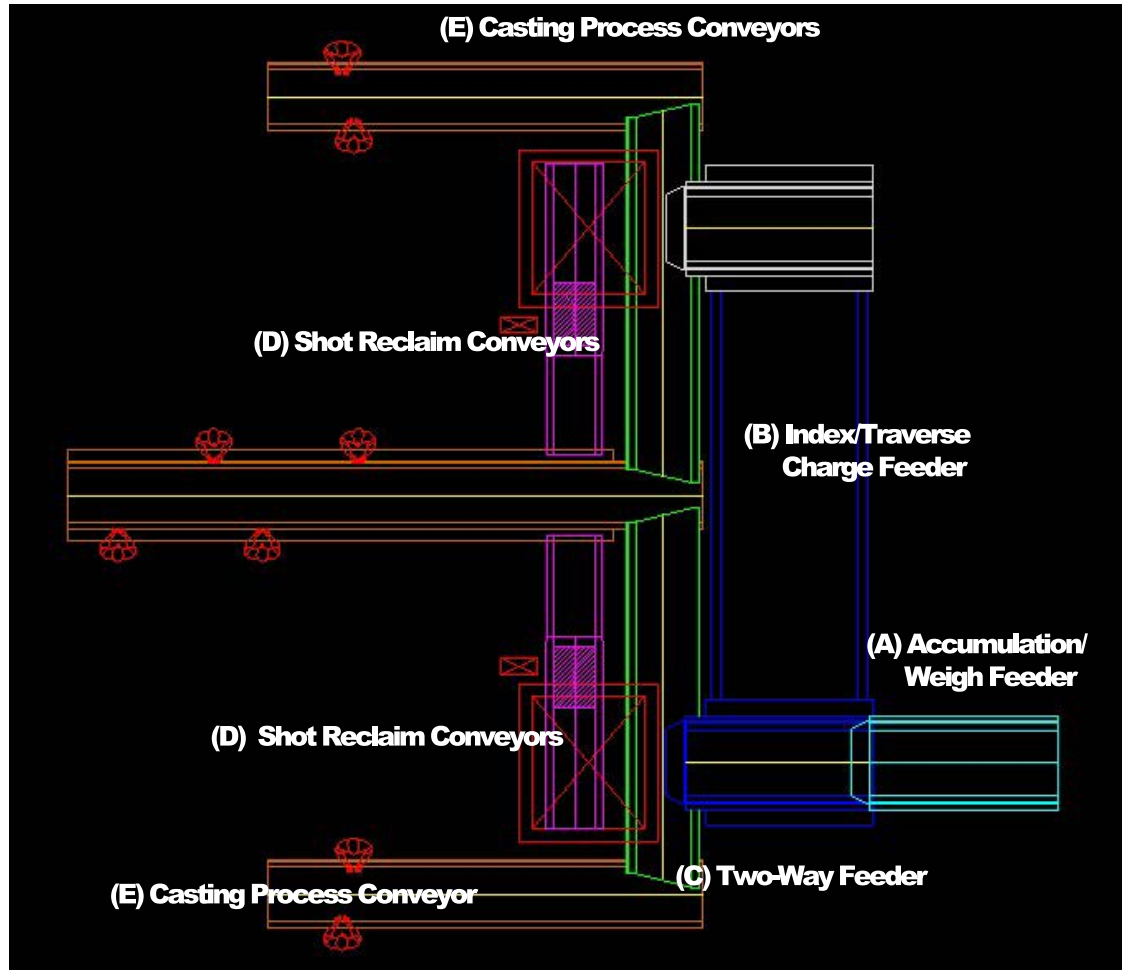
**Lifting Charge Feeder**



**Reclaim Units**



# Typical Shot Blast System



**(A) Accumulation/Weigh Feeder**  
Batches your castings to feeder shot blast.

**(B) Charge Feeder**  
Indexes and traverse travel to automate your blast feeding. Reduces casting damage.

**(C) Two-Way Feeder**  
Bidirectional blast unload feeder.

**(D) Shot Reclaim Conveyors**  
Integrate into existing and new shot blast installations to collect, screen, and feed shot back into the cleaning system.

**(E) Casting Process Conveyor**  
Continuous operating for your operator inspection and grinding operations.

## SYNCRO-CUSHION® Coil Spring Drive

Our proven SYNCRO-CUSHION® Coil Spring Drive combines the advantages of natural frequency vibratory action with a rugged drive and trough connection. The flexible coil spring connection allows for minimum motor starting torque and less drive stress than direct drive designs.

Best of all, SYNCRO-CUSHION® Drives are designed with minimal parts and piped lubrication for easy maintenance.

