

## ALLOY / INNOCULANT SYSTEMS



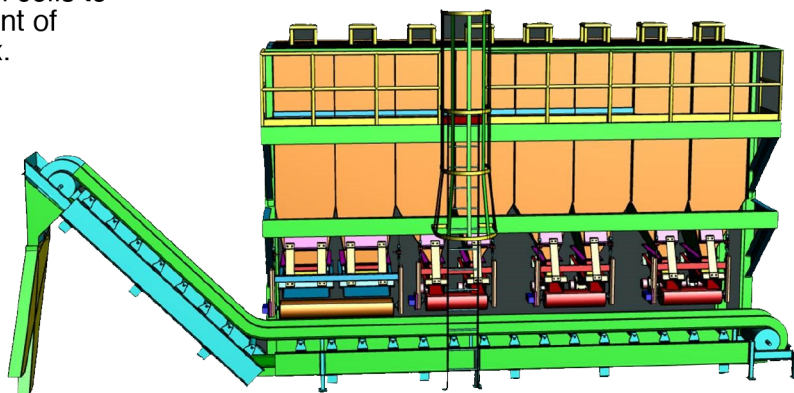
### ALLOY

General Kinematics Alloy Addition Systems take the guess work out of your metallurgy. Alloy bins receive and store the ferro-silicone, graphite, or other additions, which is then metered via a vibratory feeder to a main weigh unit for batch make-up. Final batches are delivered to the charge area with a delivery barrel and monorail / hoist assembly. Charge feeders are designed to accept and gradually distribute the alloy batch with the main charge. Fully integrated control systems (SCADA) are included to round out the package.

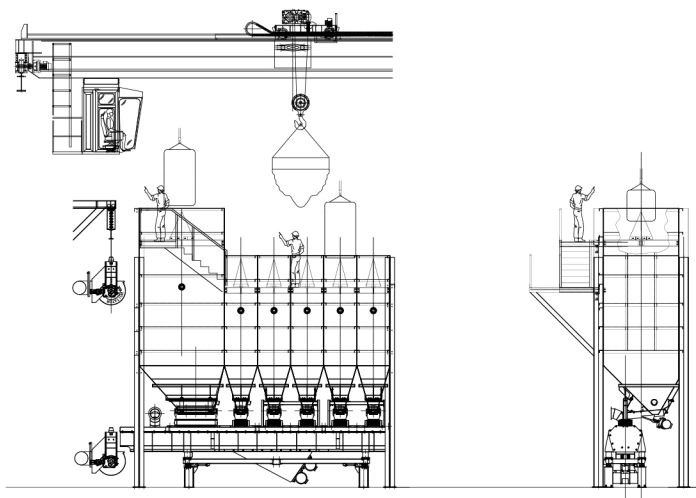
### INNOCULANT

General Kinematics Innoculant Systems prepare and add inoculants or other materials into the ladle prior to pouring. Systems include individual material bins and feeders, accurate weighing rollovers, charge make-up feeders, and other options to accurately measure and deliver the right mix, in the right order, to your ladle.

- ▶ Alloy Addition Systems can be integrated directly with your charge feeder, providing a complete charge solution.
- ▶ Fully integrated control systems (SCADA) for precise product weighing.
- ▶ Bins are fed using GK feeders featuring either electromechanical or pneumatic drives, depending on size and application.
- ▶ Charge make-up feeders utilize weigh cells to accurately measure the correct amount of material for your particular metals mix.



# CAD Example



## Specs

<b>Function:</b>	Metering and Weighing of Materials
<b>Components:</b>	Electric Motors, Isolation Springs, Reactor Springs, Steel Construction
<b>Construction Material:</b>	Abrasion Resistant Steel, Mild Steel
<b>Power Requirements:</b>	Up to 15 Total HP per System
<b>Width:</b>	Designed per application
<b>Length:</b>	Designed per application
<b>Capacity:</b>	Up to 2000 pounds per batch
<b>Screen Opening:</b>	Sized for your application
<b>Analysis:</b>	Fatigue, FEA, Stress
<b>Finish:</b>	Painted
<b>Production Volume:</b>	Built to Order
<b>Benefits:</b>	Efficient, Low Maintenance, Reliable, Rugged, Safe Operation, Large Processing Rates
<b>Secondary Services:</b>	Customer Support, Field Service, Additional Features, Stroke Monitoring
<b>Quality:</b>	ISO Certified

## Application Photos

