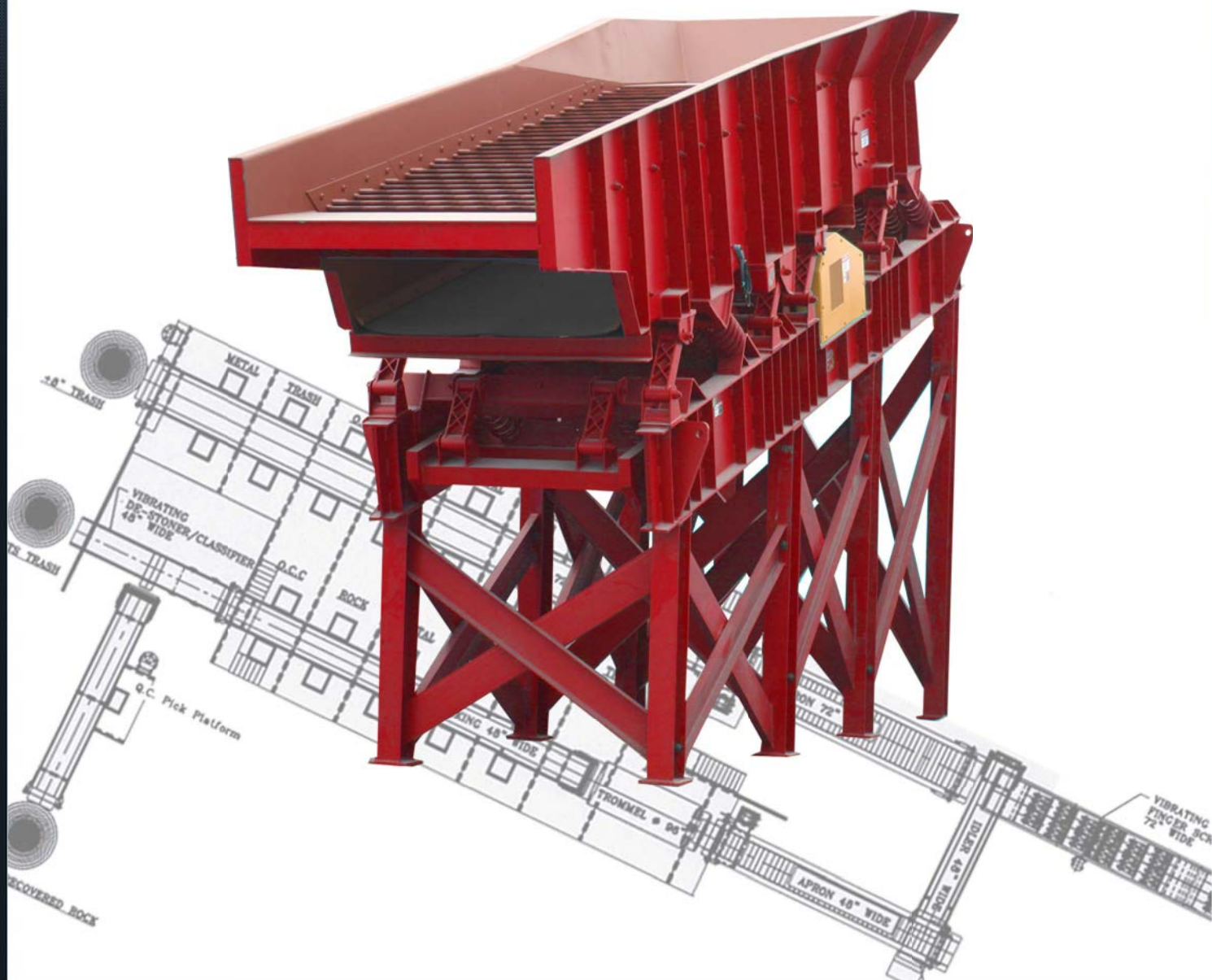




# Resource Recovery

## Equipment / Systems / Solutions





## GK's Vibratory Solutions deliver key technologies that make recycling systems work.

General Kinematics leads the recycling industry in innovative process solutions for recovery of renewable resources. Our core technologies center around the use of controlled mechanical vibration to separate, convey, classify, grind, and more, and packaging that technology into a system designed to maximize your diversion rates.

General Kinematics supplies Turn-Key C&D Processing Systems from small entry level designs, modular and expandable, up to the largest systems in operation today. All feature robust equipment design and construction for long service life and reliable operation, supported by General Kinematics' 24/7365 Commitment to Customer Satisfaction.



## GK Sorting Technology

### The heart of your sorting system.

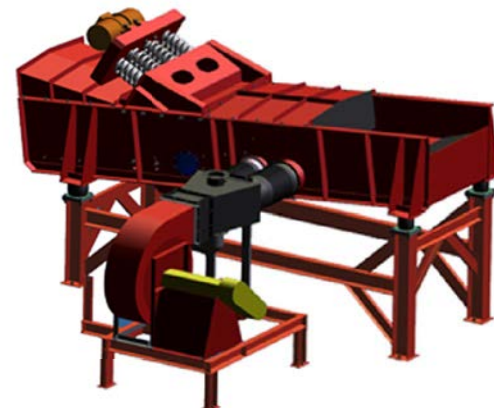
#### FINGER-SCREEN™

General Kinematics non-binding FINGER-SCREEN™ design concept for resource recycling has proven to be highly successful in a wide range of applications that are prone to hang-ups common to conventional wire mesh screening surfaces. The units vibrating motion spreads material evenly across the deck for maximum separating effect. Multiple size separating decks enhance classification while staggered finger positions help to prevent material bypass. Separation performance is enhanced as material freely cascades through the unit -- with less "trapping". The result: fast, smooth continuous material flow throughout the entire separation and classification process.



#### DE-STONER® Air Classifier Density Separator

The General Kinematics DE-STONER® is a performance-proven method of separation and classification for a wide range of recycled materials. Energy-efficient vibratory action and high velocity, low pressure air streams work in tandem to fluidize and stratify commingled materials according to differences in terminal particle velocity. Many DE-STONER® Systems are designed with "air curtains" to provide further separation after the initial cut of "heavies". The result: fast, efficient removal of heavy materials such as stones, metallics, and glass from lightweight materials like aluminium, paper, plastics and wood. Available in Single, Dual or Triple-Knife designs.



## Construction & Demolition (C&D)

General Kinematics supplies our customers with the most efficient and effective recycling equipment, C&D systems, optical and mechanical sorting, and other waste recovery technologies for the efficient separation of recoverable material. Through innovative design and superior technical know-how, GK C&D Systems and equipment bring you the highest throughput, highest recovery rate, and most efficient operational design available in the industry.

GK C&D Systems  
CD-EXPRESS™  
CD-XL™  
CD-XXL™  
CD-MAX™

### Typical General Kinematics Installations



#### Typical Recovered Materials:



Aggregate

Paper

Metals

Plastics

OCC

Wood



## Who we are

General Kinematics is the premier manufacturer of vibrating equipment for the processing of bulk materials. From vibratory feeders to entire process systems, GK can create the solution you require to process even the most difficult materials.

## What we do

No company in the field of vibratory equipment has consistently produced more innovative equipment ideas and problem solving application techniques than General Kinematics. For more than five decades we've maintained a solid reputation for design leadership – with exclusive vibratory drive systems, simplified spring reactor systems, and the most rugged and reliable construction available. Thousands of application tailored technical advancements have made General Kinematics' vibratory feeders and equipment excel in the most difficult environments.

## Why buy from GK

When facing the decision of purchasing capital equipment, a lot is on the line. Will the equipment work as promised? Will the equipment be reliable? Will it be a maintenance nightmare? What if it doesn't work? General Kinematics has proven through one successful installation to the next that our solutions reduce your risk of buying while helping to improve your process and increase profit to your bottom line.

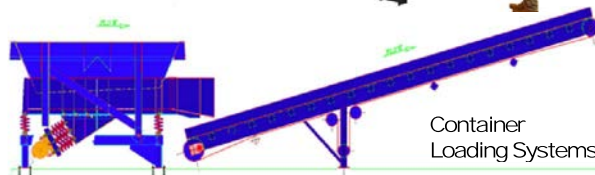
## GK Highlights

- Extensive install base: 40,000+ installations in 35 countries.
- 24/7/365 customer service and support, with the ability to have a GK service representative on-site anywhere in the world in under 22 hours.
- Available same day shipping on all off the shelf, in-stock components.
- Industry leadership in innovation... 4 times the patents than the next leading vibratory equipment manufacturer.
- General Kinematics has the largest install base of vibratory foundry equipment in the world.
- All U.S. and many leading European automotive manufacturers choose General Kinematics vibratory equipment to solve their vibratory process solution needs.
- 100% Process Guarantee: GK has never walked away from a customer with a problem and is committed to getting your process up and running.
- General Kinematics is recognized by the editor of the leading recycling trade journal as providing the best recycling system solution to the C&D industry.
- 150 power plants in the US trust GK vibrating feeders to keep their coal flowing.
- General Kinematics is the only heavy-duty vibratory equipment company certified in ISO:9001.

General Kinematics partners with our customers to provide vibratory equipment that improves their throughput, increases their profitability, and reduces maintenance costs. The employees of GK genuinely want our customers to be successful in their businesses, and will do all they can to provide you with equipment and solutions to do so.



Under Mill  
Oscillators



Container  
Loading Systems



PARA-MOUNT II®  
High Stroke Feeders



Sorting Conveyors

General Kinematics' innovative recycling solutions help companies around the world effectively separate renewable resources to maximize recycling facility operations.

### Construction & Demolition Solutions

CD-EXPRESS™ - Expandable for processing up to 150 yds. / hr.  
CD-XL™ - Single line for processing up to 250+ yds. / hr.  
CD-XXL™ - Single or Dual-line for processing up to 450+ yds. / hr.  
CD-MAX™ - For capacities up to 750+ yds. / hr.

#### Multi-Stream

FINGER-SCREEN™ Vibratory Separator  
Single Knife, Dual Knife, or Triple Knife DE-STONER® Air Classifiers  
Secondary Fines Screens

### MSW / Single Stream Equipment

Mini-MRF™ - Entry-level for processing up to 5-10 TPH  
FINGER-SCREEN™ Vibratory Separator  
Single Knife, Dual Knife, or Triple Knife DE-STONER® Air Classifiers  
Secondary Fines Screens

### Biomass & Wood Solutions

Single Knife, Dual Knife, or Triple Knife DE-STONER® Air Classifiers  
Vibratory Finger-Screen  
Vibratory Fluid Bed Dryers  
Vibratory Conveyors  
Vibratory Screens  
Vibrating Feeders  
UN-COALER® Activator / Feeder

### Scrap Recovery Solutions

Undermill Oscillators (UMO)  
Shear Take-Away Conveyors  
High Stroke Vibratory Feeders  
Drum Magnet Feeder  
LOAD-RITE™ Container Loading Systems  
FINGER-SCREEN™ Vibratory Separators  
Single Knife, Dual Knife, or Triple Knife DE-STONER® Air Classifiers

### Waste to Energy Equipment

Vibratory Bottom Ash Conveyors  
FINGER-SCREEN™ Vibrating Grizzly Feeders  
PARA-MOUNT II® Vibrating Feeders  
High Stroke Vibratory Feeders