

# FINGER-SCREEN™

Effective and non-binding screens for resource recovery

## The right technology

Proven in dozens of applications, GK's patented, non-binding FINGER-SCREEN™ is renowned for superior classification of MSW and C&D materials that can be trapped or hang-up on conventional perforated or wire mesh screens.

Full-flow cascading decks, plus rugged tapered fingers make this design ideal for the sorting and classification in the most difficult applications, including:

- ✓ C&D recycling of metal, brick, wood, & more
- ✓ Single stream recyclables
- ✓ Commingled MSW containing glass, plastic, and paper
- ✓ Bottom ash stream with recyclable metal
- ✓ Woodlot waste
- ✓ Auto shredder residue
- ✓ Other mixed bulk material

## Natural frequency design reduces energy requirements

General Kinematics FINGER-SCREEN™ machines are custom engineered and tuned to run near their natural frequency. This design allows the units to operate so that 90% of the force required to move your product is naturally created. The remaining 10% is provided using General Kinematics low horsepower, high efficiency drive system.



## Simple, effective design

The FINGER-SCREEN™ is designed to perform multiple size separations on a single deck. Dual decks offer more versatile classification.

- ✓ Vibratory motion evenly spreads material for maximum classification efficiency
- ✓ Staggered fingers prevent material bypass
- ✓ Cascading material flow helps separate entrapped items
- ✓ GK's unique "cam-out" surface helps eliminate catching and binding
- ✓ Tapered fingers gradually classify and free tangled materials
- ✓ Open below deck design permits "free fall" of material to lower collecting deck
- ✓ Custom-engineered to meet your specific classification requirements
- ✓ Modular deck construction permits easy deck replacement



## SYNCHRO-CUSHION® Coil Spring Drive

Our proven SYNCHRO-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, SYNCHRO-CUSHION® drives are designed with minimal parts and piped lubrication for easy maintenance.

