

Karakuri Automation / Material Handling Systems

Features

Built with  modular automation systems

- Affordable automation that do not require a PLC or other electrical control components
- Material handling automation using the component's own weight to produce movement
- Lifting and lowering stations move bins vertically from one level to another
- Utilizes Robotunits modular automation components, making it easy to integrate with the extrusion system, linear motion units, and conveyor systems
- Systems are customized for each application: discuss each application with our engineering department



Overview of Components

Gravity feed MHS rolling track



The MHS tracks are made of roller components for smooth delivery. Loads of up to 30 kg/box can be handled. No limit in length of tracks.

Accessories for rolling track



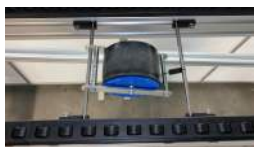
Anti-reversing stop for bins. Simple braking inserts can be located as desired along the track.

Counter-weighted lift stations



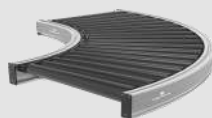
Counter-weighted lift stations can be used to change the elevation of bins, higher or lower positions as required.

Bin speed reducers



Speed reducing wheels are integrated to slow the momentum of bins as they accelerate down the track. They are designed per bin/part weight and length of track, to slow the bin down as desired.

Direction diverting elements



Curved roller sections and 90 degree diverting mechanisms are available for changing direction or orientation of the bin.

Please contact Izumi International, Inc. for special requirements