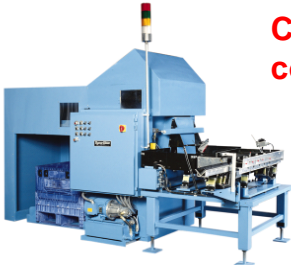


Intelligent Bulk Material Supply Systems

Container Dump System are available to unload every type of bulk container in a controlled, programmable, intelligent manner.



Soft Side Container Handling System



Programmable High Level Tote Dump



Bin Dump Systems



Corrugated Box Dump Sys



High Level Drop Bottom Stand



4,000 lbs Metal Castings in Steel Dunnage Smart-Dumper Automated Flow Control Gate Integrated with HD Pan Feeder



Automated Dunnage Dumper Supplying parts to intermediate pan w/ flow control gates.



Low Level Drop Bottom Stand

□ CDS LIPE * www.cds-lipe.com * 800-448-7822

Dyna-Feed

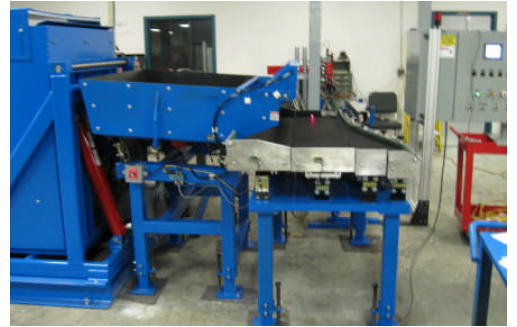


Intelligent Bulk Material Supply Systems

Automated container dump systems are often integrated with reduction metering -pans



Pans include manual or automated Product Flow Gates



Hopper-prefeeder-elevator

INTELLIGENT BULK SUPPLY SYSTEM'S FEATURE :

- Consists of appropriate container dump system integrated w/ part flow control device such as a flow control gate or an intermediate pan feeders to create " on demand" part flow to upstream automation.
- Programmable infeed and dump operations
- Provides a buffer for parts to feeder from bulk container
- Automatically transfers parts from container to part feed system
- Dump cycle can include jogging dumper to ensure complete unload
- Operator signal devices can be provided to ensure part supply

BENEFITS:

- Automate Bulk Material Infeed Process Less Operator Intervention
- Reduce handling steps, use bulk container as bulk supply hopper, reduce part damage
- Any type of container can be fully integrated to any style of part feeder
- Maximize feed system efficiency, prevent under populated or overpopulated tooling.
- Reduce operating costs with single material handler providing parts to multiple cells

CONTAINERS HANDLED:

- | | | |
|----------------------|------------------------|------------|
| • Soft Sided-Dunnage | Corrugated Boxes | Steel Bins |
| • Wire Baskets | Drop Bottom Containers | |
| • Totes | Front Unload Totes | |
| • Trays | Pallets | |

SPECIFICATIONS:

Power Requirement: Subject to style dumper selected generally 460/3/60, 10 cfm @ 80 psi
 Control: Basic controls or PLC for "Smart Dumper" Systems
 Weight Capacity: 250 lbs to 12,000 lbs systems
 Dump Height: Subject to style dumper selected.
 Overall Dimensions: Subject to style dumper selected.

Note: In many cases existing dumpers can be automated by integrating intermediate pan or flow control device to existing manual dump system and low level elevator feeders can also be used to meter parts.

