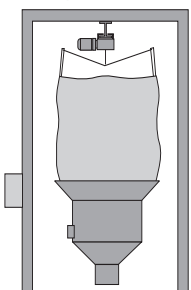


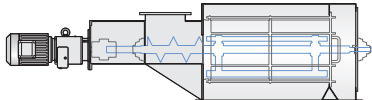


## K-Tron and Dinnissen: Complete Process Solutions from Intake to Discharge

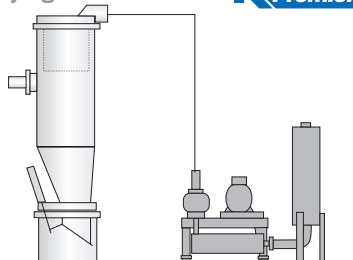
### Big Bag Discharge



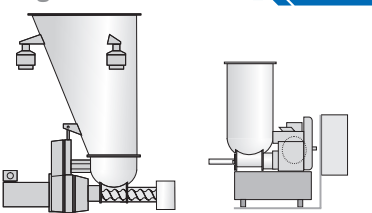
### Sifting



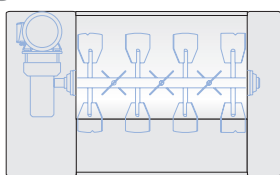
### Conveying



### Feeding



### Mixing



Dinnissen mixers, sifters and big bag stations are now available through K-Tron direct sales offices in Great Britain, France and Germany. The addition of selected Dinnissen products to the K-Tron product range offers more total solutions to our customers in process industries, such as food/feed, chemical and pharmaceutical.

K-Tron's systems engineers can easily integrate K-Tron feeders with Dinnissen equipment to provide an integrated solution, backed by K-Tron, or offer stand-alone Dinnissen mixers, sifters and big bag stations.

#### Big Bag Discharge Stations

The basic station consists of: a vibrating bottom, a discharge funnel and a heavy steel frame. The big bag is suspended from a frame, over the vibrating bottom. The discharge funnel is integrated into the vibrating bottom and features a large access hatch. Because the big bag covers the funnel completely there is a closed system while discharging, which creates a dust-proof unit. The funnel is fitted with a detachable screening-grid to intercept possible lumps and large contaminants and has a flange for an optional dedusting unit.

#### Centrifugal Sifting

The small dimensions and high capacities of the high-speed centrifugal sifter make it ideal for a wide range of applications. The machine can be used for removing impurities, control sieving of powders, food products, and fractionation. It is also possible to place the centrifugal sifter inline in a pneumatic conveying system.

#### Vacuum Conveying

K-Tron Premier has a rich know-how base in pneumatic conveying for sensitive and delicate bulk materials in Pharma, Food, Chemical and Plastics applications. The 2400 Series offers a range of vacuum sequencing receivers as well as stand-alone loaders for free-flowing materials. The sanitary P-Series offers a range of vacuum sequencing receivers for difficult conveying applications. The easy-clean design is perfect for applications in the food and pharmaceutical industries.

#### Volumetric and Gravimetric Feeding

K-Tron feeders provide high-accuracy feeding solutions to handle a wide range of ingredients—from chocolate chips to fiberglass and from floodable powders to waxy liquids. The K-Tron Feeders product line includes volumetric feeders, loss-in-weight feeders, weigh belt feeders and mass flowmeters for bulk solids as well as related controls for continuous or batch processes. These feeders are used in the chemical, detergent, food, pharmaceutical, plastics and other industries.

#### Mixing

The Pegasus® mixer offers you the possibility to mix, intensively and effectively, widely divergent powders, granules and extruded products, without exerting a mechanical load. Within 5 to 30 seconds for almost all solids with a very wide range of bulk density and composition, a homogeneous mixture will be achieved. The injection of liquids to moisturize the product is also possible. Even with sensitive and friable products the Pegasus mixer guarantees an optimum process, without forming fines.

K-Tron's long years of experience in feeding technology and pneumatic conveying combined with Dinnissen's extensive know-how in material handling make an ideal basis for systems solutions.

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