



Twin Screw Microfeeders precise low rate feeding of bulk materials

K-Tron's family of twin screw microfeeders has been specially designed to provide maximum accuracy at minimal feed rates, which makes these feeders ideal for use in the chemical and pharmaceutical processing industries. Unique design features ensure that high value ingredients are fed accurately at rates as low as 32 g/hr with minimal residual material left in the feeder. The modular design means more flexibility for the process and easy access to all parts for cleaning and maintenance. The 12 mm and 16 mm twin screw feeding modules are completely interchangeable and can feed a wide range of free-flowing to difficult powders.



Smart Design

To accommodate various materials and feed rates, there are four screw designs available which can easily be exchanged. The design of the feeding trough, combined with the bottom driven vertical agitator, makes it possible to practically eliminate the amount of residual product.

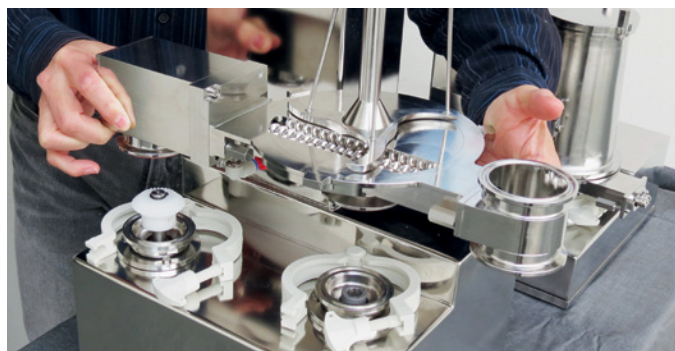
The motor drive is completely enclosed within the feeder base for improved hygiene and ease of cleaning. Gravimetric versions are mounted on a high resolution K-Tron digital weigh scale with integrated digital filtering software to compensate for the effect of environmental vibrations.

K-Tron's family of twin screw microfeeders meets the high expectations regarding short term accuracy, reproducibility and linearity. Feeding tests can be conducted at the customer site or in one of Coperion K-Tron's test laboratories.



Features and Benefits

- Interchangeable 12 and 16 mm twin screw feed modules for more flexibility
- Machined base with maximum screw opening and agitator for optimal screw filling
- Bottom-driven vertical agitator provides optimal screw fill with minimal residual material
- Quick coupling design for easy cleaning of product contact parts
- All product contact parts in stainless steel
- One servo motor drives both screws and agitator
- Completely oil and grease free drive system
- Protective enclosure to reduce atmospheric/climatic influences (standard on gravimetric MT12)
- Feed rates: 0.031 to 33.11 dm³/h (0.0011 to 1.17 ft³/h)



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