

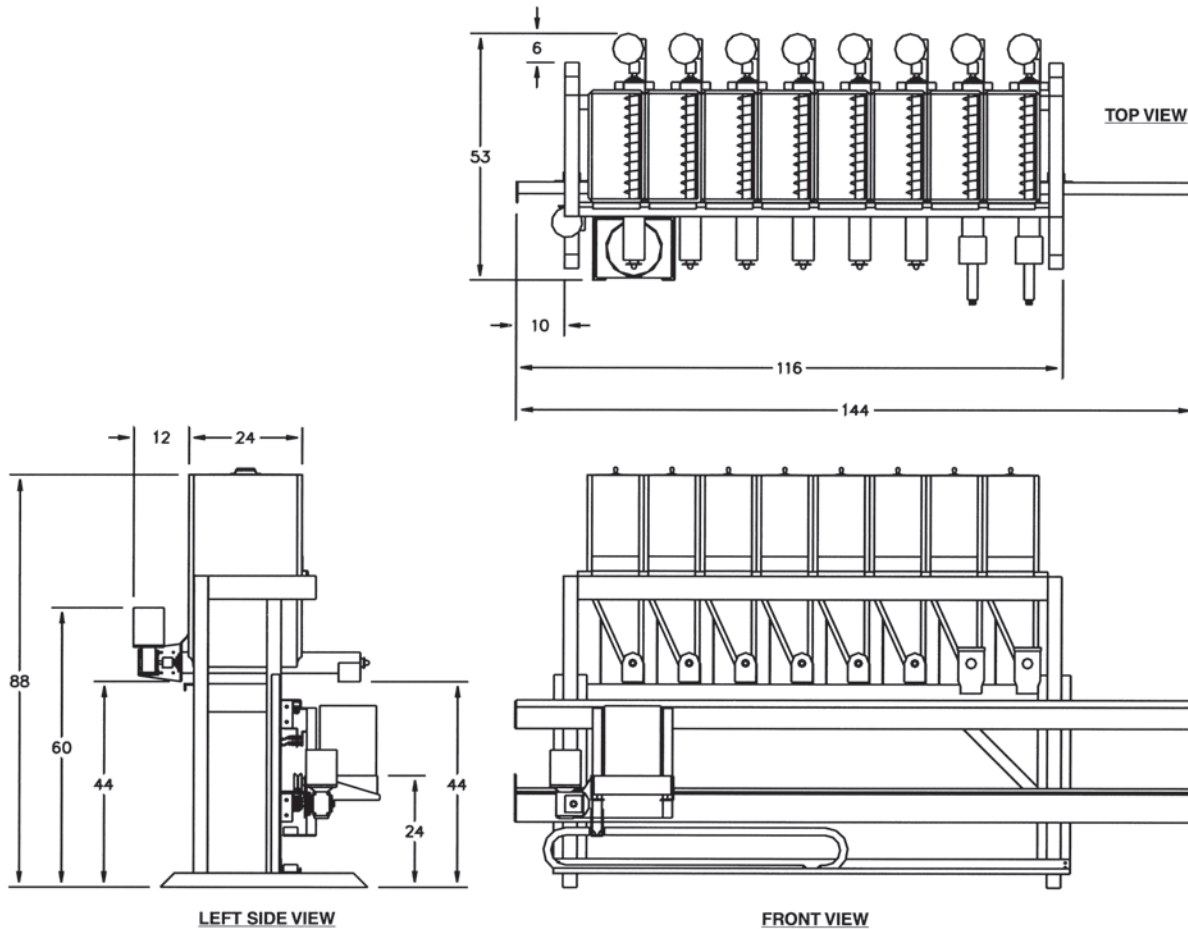
ABEL

MS/3 Moving Scale Micro Ingredient Batch Weighing Systems



- The MS/3 is a high performance system that provides accurate batch weighing capabilities for many industries including food, rubber, plastics, pet food, pharmaceuticals, baking, animal feed, pigments, and others.
- The system can be provided with either a platform scale for removable containers, or a hopper scale with a gate discharge.
- The system can be built with any number of bins. Bin sizes range from 2ft³ to over 75ft³ each. The feeder bins can be equipped with either screw or vibratory feeders. Typical accuracy for the screw type feeder is +/- 0.05 pounds. Typical accuracy for the vibratory feeder is +/- 0.01 pounds.
- Since the scale is relatively small, batch to batch cross contamination is minimized. If the platform scale is used with a removable container, cross contamination can be virtually eliminated.
- Dust control options are available for the tops of the bins for filling operations, and for the scale during weighing operations.
- The system can be supplied either completely automated, or as a stand alone machine for connections to the customer's control system.
- The bins are available in a variety of materials and finishes. These include stainless steel, polyethylene, carbon steel, food grade finishes, and others.
- For hazardous environments, most configurations are available with explosion proof equipment.
- Abel produces a complete line of other types of batch weighing systems as well. These include stationary scale systems and weight loss

The Abel MS/3 system can be supplied in a variety of configurations. The number of bins, capabilities, and speed can be specified to meet most requirements. The diagram below shows a typical system with 5.5 ft³ bins. For a batch of 50 pounds with eight different ingredients, the typical batch cycle time would be approximately 4 minutes. Typical accuracy would be +/- 0.5 pounds. Systems with higher accuracy, speed, or capacity are common and readily available. The bins can be arranged in either a single row as shown below, or in two rows opposite each other.



Abel makes a wide variety of other systems for almost any batch weighing application. These include stationary scale and weight loss type systems. Abel also specializes in high capacity systems for batches weighing from 500 to 20,000 pounds. Please contact the Abel sales department for more details. We would be pleased to work with you on any batch weighing application that you may have.



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