

# ***Product & Service Information***



***APEC - Automated Process Equipment Corporation***

*Specializing In Liquid Coating Application Equipment plus  
Batch and Continuous Flow Process Equipment for Dry Ingredients*



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## Liquid Coating Equipment

**Mistcoater Liquid Applicator**—A spinning disk system for applying multiple liquids uniformly to a continuous flow of dry material. No spray nozzles to clog.

**Continuous Blenders**—Continuous blending for a combination of dry and liquid coated materials. Gentle and homogenous blending. Flow rates from 250 to 6,000 cubic feet per hour.

## Continuous Flow Process Equipment

**CentriFlow Dry Solid Mass Flow Meter**—Patented design cancels out friction. Flow rate capacities from 40 to 16,000 cubic feet per hour with an accuracy of  $\pm 0.25\%$ . Turndown 20:1

**Weigh Screw Feeder**—Integrated screw feeder and cantilever system for measuring continuous dry material flow. Accuracy of  $\pm 1\%$ . Flow rates from 250 to 6,000 cubic feet per hour. Turn down 5:1

**Weigh Belt Conveyor**—Integrated belt feeder and cantilever system for measuring continuous dry material flow. Accuracy of  $\pm 1\%$ . Flow rates from 250 to 6,000 cubic feet per hour. Turn down 5:1

## Batch Process Equipment

**Major Scales**—Conical and rectangular scale hoppers with capacities from 17 to 368 cubic feet. Available with slide gate, butterfly valve or knife gate discharge.

**Minor Scales**—Conical and rectangular scale hoppers with capacities from 10 to 25 cubic feet. Available with slide gate, butterfly or knife gate discharge.

**Micro Scales** - Conical and rectangular scale hoppers with capacities from 2 to 20 cubic feet with roll over hopper, slide gate, butterfly or knife gate discharge.

**Liquid Scales**—Cylindrical or rectangular scale hoppers with capacities from 1 to 50 gallons. Available with temperature control and storage for up to six liquids.

**Bulk Sack Discharger**—Adjustable support frame for varying bag heights, bag massage, isolated bag untie. Available with screw feeder or vibratory discharge.

**Individual Ingredient Feeders**—Integrated bin and feeder system with capacities from 2.5 to 25 cubic feet. Available with screw feeder or vibratory discharge. Flow rates from 0.1 to 5.0 cubic feet per minute.

**Horizontal Ribbon Mixers**—Available in capacities from 16 to 368 cubic feet (swept volume). Double ribbon agitator mounted on a solid shaft with reducer integrated. *Eliminating the chain and sprocket configuration.*

## Liquid Handling Systems

**Liquid Storage**—Capacities from 40 to 250 gallons. Stainless steel or polyethylene construction. Inlet/outlet control devices and temperature control available.

## Pumps

**High Flow Metering**—Positive displacement for flow rates from 0.5 to 80 gallons per minute. Carbon / Stainless Steel

**Low Flow Metering**—Diaphragm style displacement for flow rates from 0.0 to 4.5 gallons per minute. 4-20mA analog/digital converter for external control.

## Liquid Meters

**Mass Flow**—Coreolis style mass flow meters sized for flow rates from 0-50 gallons per minute. Accuracy is  $\pm 0.1\%$  of full flow rate.

**Volumetric**—Nutating disk style volumetric meters are sized for flow rates from 1 to 150 gallons per minute.

**Proportioning Valves**—Used in conjunction with a variable speed control on the pump. Capacity range: 0.5 to 60 gallons per minute.

## Material Handling Equipment

**Belt Conveyors**—Capacity: 250 to 6,000 cubic feet / hour.

**Drag Conveyors**—Capacity: 250 to 6,000 cubic feet / hour

**Bucket Elevators**—Capacity: 250 to 6,000 cubic feet / hour

**Slide Gates**—Sizes: 6" to 36" Manual, Electric and Pneumatic

**Diverter Valves**—Sizes: 10" to 20" Plate/Basket Types

**Pneumatic Systems**—Capacity: 240 to 6,000 cubic feet per hour. Engineer designed system.

**Bag Dump Stations**—Ergonomically designed. Dust pull off, bag slitter and pneumatic bag lifter available.

## Automation

**Batch System**—APEC PRO series Batch automation allows formulas to be manually or electronically entered into the system, and the control system will automatically make sure that the proper amount of ingredients are measured into each scale and that the material is transferred to the mixing operation where proper mixing cycle is handled including mix time and transfer of ingredients to packaging or bulk load out.

**Continuous Blending System**—APEC PRO series Blend automation allows formulas to be manually or electronically entered into the system, and the control system will automatically make sure that the proper ratio of liquid and dry ingredients are proportioned and blended into a homogeneous mixture. This system when used in conjunction with our Mistcoater liquid applicator and mass flow and volumetric metering systems allows material to be accurately

**Contact APEC Today For More Information**

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