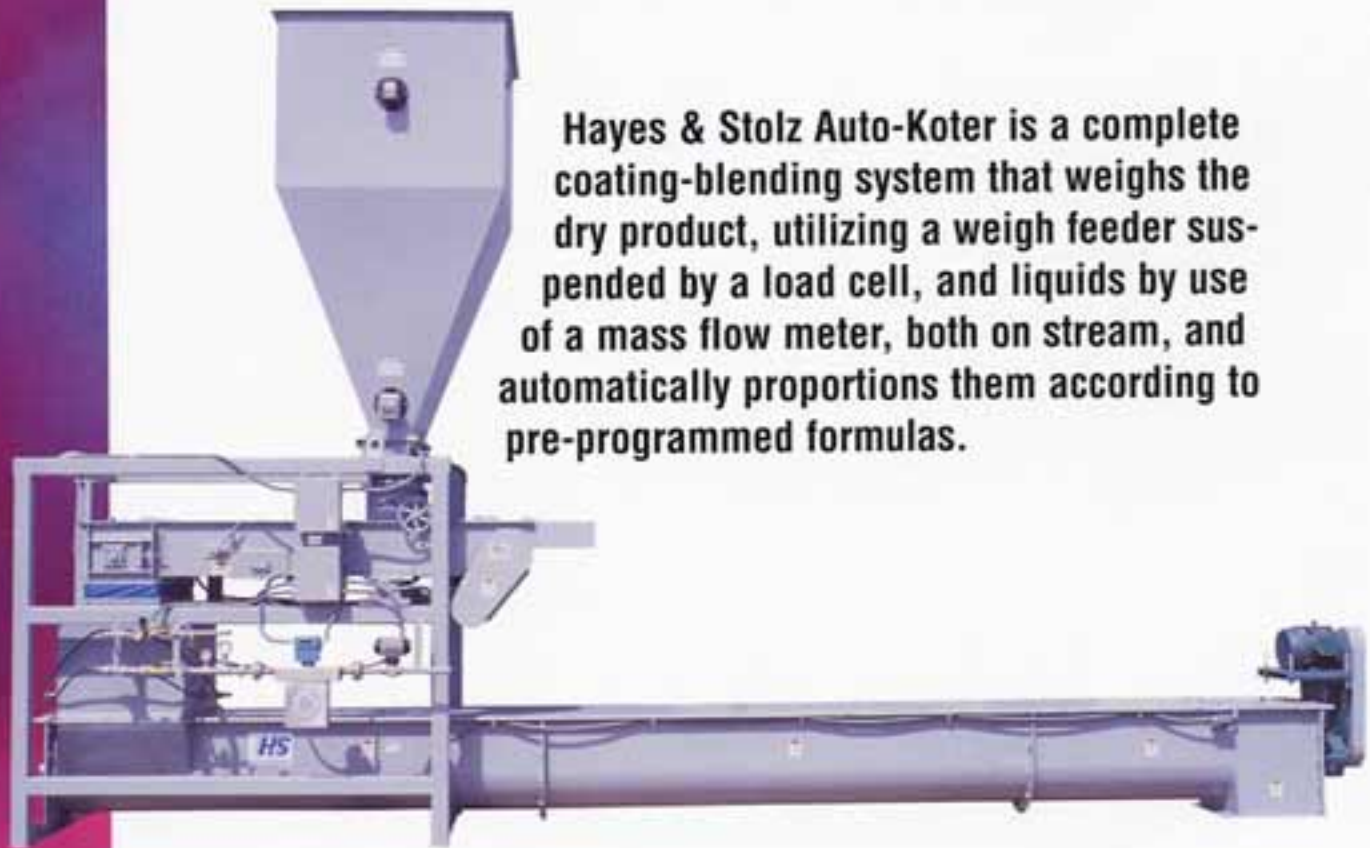


HAYES & STOLZ



HS
&
COATERS

AUTO-KOTER Gravimetric Coating-Blending System



Hayes & Stolz Auto-Koter is a complete coating-blending system that weighs the dry product, utilizing a weigh feeder suspended by a load cell, and liquids by use of a mass flow meter, both on stream, and automatically proportions them according to pre-programmed formulas.

FEATURES

- Weight-to-weight proportioning based on electronic sensing.
- Highly accurate $\pm 1\%$ to $\pm 5\%$ of target addition depending on characteristics of dry material and liquid flow required.
- User friendly controls with single or multiple liquids or dry additives.
- Full spray pattern without nozzle plugging is insured with air assist liquid spray and large orifice nozzles.
- All components mounted at the factory, pre-plumbed and pre-wired.
- Capacities from 3 TPH to 120 TPH.

AUTOMATED CONTROL SYSTEM

Dry and liquid flow rate sensing, combined with rapid response ratio control, provides an unusually high degree of accuracy. In addition to process monitoring and control, the unit provides an on screen read out of process events, stores process data, and provides a print out for accounting and management functions.

SURGE BIN

A product surge bin with high and low level indicators is used in conjunction with the control system so unit will run only when dry product is available.

WEIGH FEEDER

Feeder inlet is positioned above the fulcrum point. Product flow is measured by a load cell for optimum accuracy. Product is conveyed by a drag bar to ensure even, non surging flow into the spray chamber. The rate of flow is easily changed by raising or lowering a bed leveling plate or adjusting feeder with a VFD. Self cleaning feeder is wide enough so that only a thin bed of material will feed into the spray chamber.

STAINLESS STEEL SPRAY CHAMBER

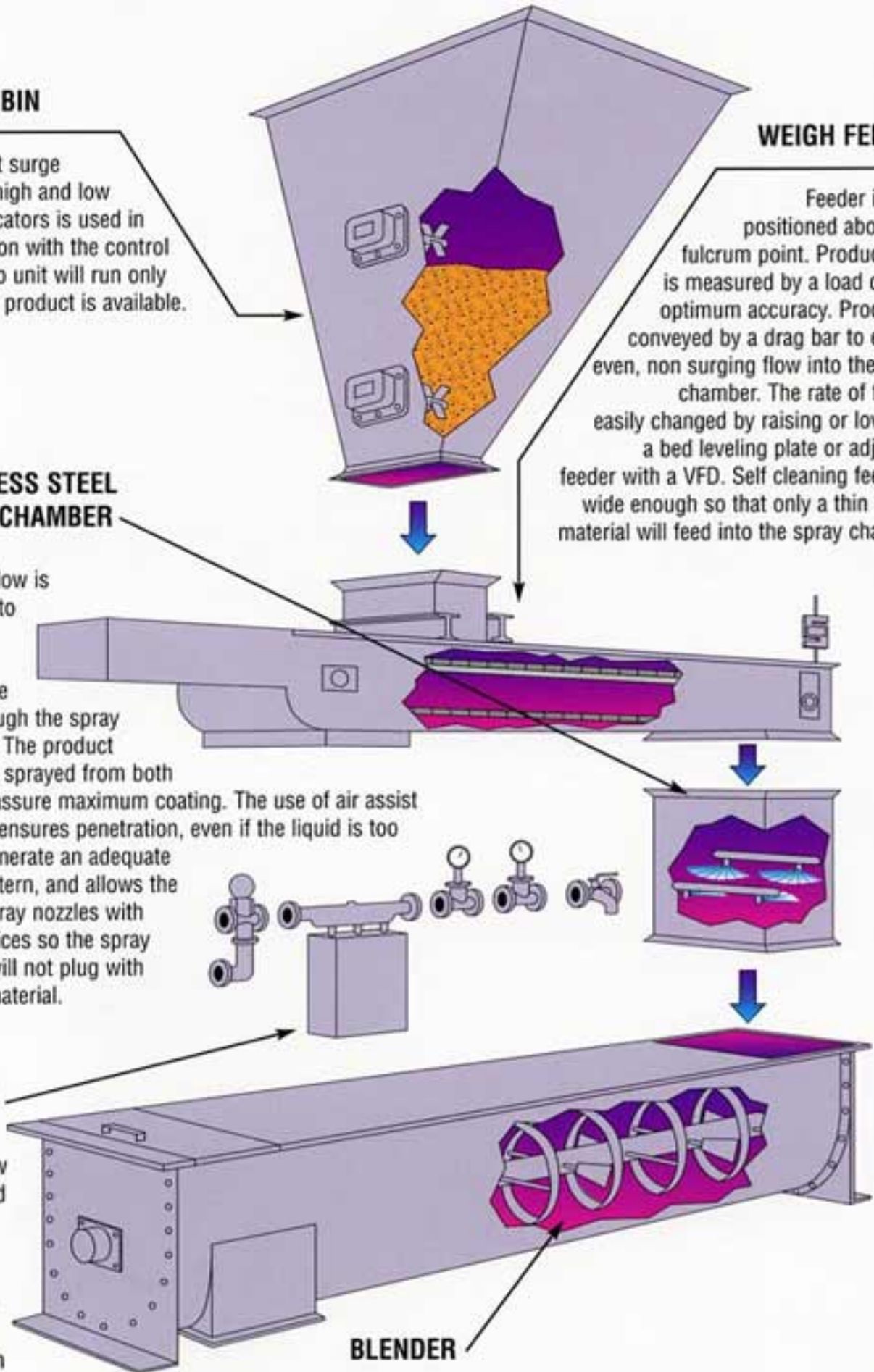
The dry flow is baffled into a thin stream which free falls through the spray chamber. The product stream is sprayed from both sides to assure maximum coating. The use of air assist spraying ensures penetration, even if the liquid is too low to generate an adequate spray pattern, and allows the use of spray nozzles with large orifices so the spray nozzles will not plug with foreign material.

LIQUID

Mass flow meter and variable speed pump provides the maximum accuracy and minimum response time.

BLENDER

A continuous blender is positioned under the spray chamber to facilitate coating. The blender can be low, medium, or high intensity depending on process requirements.



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Quality • Experience • Service • Value

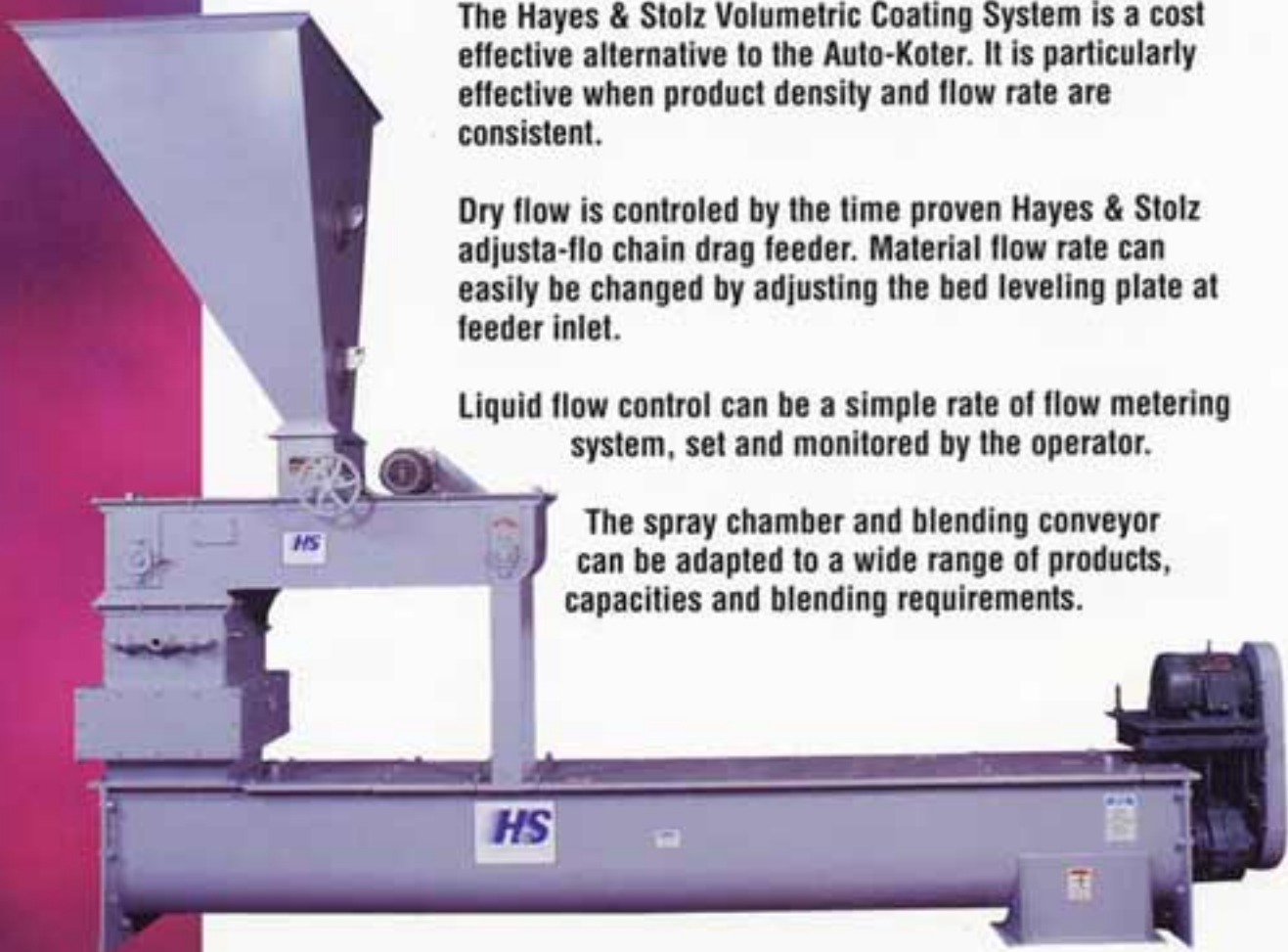
VOLUMETRIC COATING - BLENDING SYSTEM

The Hayes & Stolz Volumetric Coating System is a cost effective alternative to the Auto-Koter. It is particularly effective when product density and flow rate are consistent.

Dry flow is controlled by the time proven Hayes & Stolz adjusta-flo chain drag feeder. Material flow rate can easily be changed by adjusting the bed leveling plate at feeder inlet.

Liquid flow control can be a simple rate of flow metering system, set and monitored by the operator.

The spray chamber and blending conveyor can be adapted to a wide range of products, capacities and blending requirements.



Hayes & Stolz also supplies heating tanks, pumps, meters and liquid accessories.



Hayes & Stolz Industrial Manufacturing Co. Inc.

Reliable Processing Equipment Since 1945

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