



# Servo Dosing Pump

## Imagined

Develop a high throughput, flexible and versatile dosing pump with catalyst dosing capabilities.

## Engineered Solution

Compactly designed a servo driven doser based on the Pneumatic Dosing Pump previously developed by Kinesys Automation, yielding higher throughputs with appropriate catalyst dosing and blending hardware.

Compactly designed, this standalone dosing unit comes servo actuated delivering output dosing pressures approaching 1250 PSI. With built in pneumatic ball valving, unit delivers up to 15 cycles per minute of 600mL doses and an impressive 30 cycles per minute as a tandem unit.

Controls include an HMI for advanced recipe management and toolless changeover of dosing volumes. Control package includes advanced diagnostic capabilities with manual overrides for troubleshooting, testing and new recipe setup.

Piston equipped with a float sensor to detect low material in press condition.

System is ideal as a standalone doser or can be customized for integration with third party OEM equipment, such as sausage fillers, cartridge fillers, etc.

Appropriately designed for catalyst and/or color injection.



Available with a vertical discharge column to assure bubble free filling during purging and priming, or an inline column.

Designed on a mobile base, doser can be easily maneuvered for alignment, servicing and cleaning.



System flexibility can include up to two secondary dosing pumps of constant or variable dosing ratios relative to the base material.

System optionally includes a high accuracy Coriolis mass flowmeter for applications requiring the monitoring of catalyst dosing volumes.

Stainless steel static mixing column offers chemical resistance and assures even and efficient blending for all formulations.

