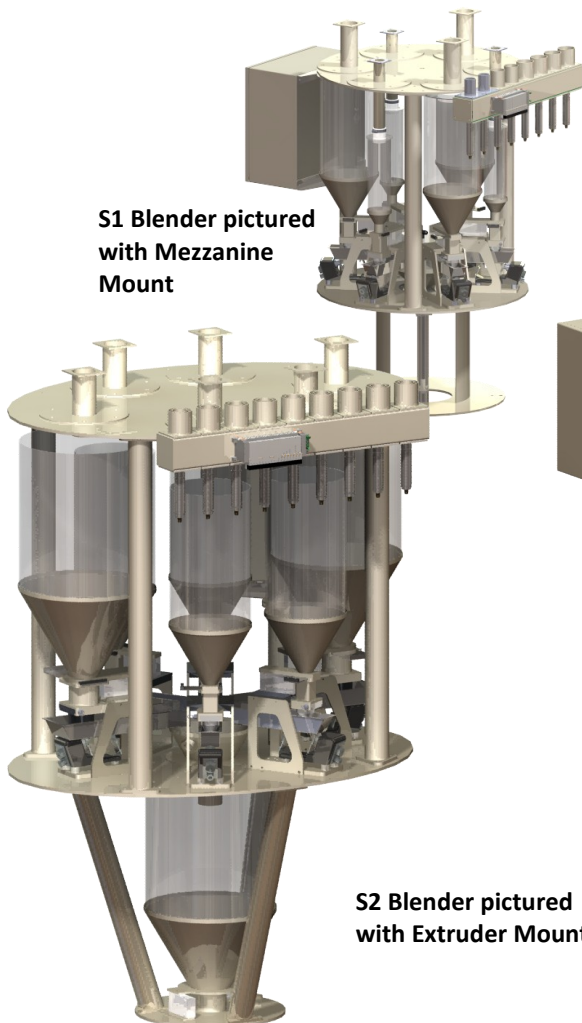




# Simplicity Blender

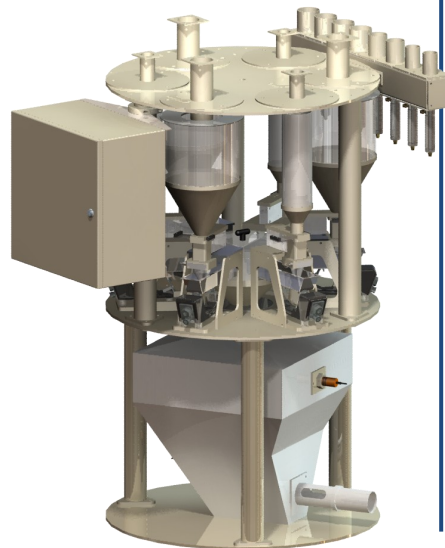
The SIMPLICITY Continuous Gravimetric Resin Blender by Advanced Blending Solutions is a new innovation that far surpasses today's technology. SIMPLICITY Blenders are easy to install, configure, operate, and maintain. The SIMPLICITY uses industry-proven components like maintenance-free vibratory feeders, which provide simultaneous metering of all components, eliminating the need for mechanical mixing and consistently producing the desired blend. A color touch screen provides the operator with an easy-to-use interface and built-in help screens. The controller is highly accurate and reliable to assure total system functionality and integration.

Advanced Blending Solutions manufactures a full line of vacuum convey, blending, gravimetric, and control equipment for the plastics industry. Advanced Blending Solutions also offers a full line of PLC-based controls for gravimetric extrusion control, vacuum sequence control, extruder/die temperature control, and blender control. Advanced Blending Solutions offers PLC-based control retrofits for any blender on the market.



**S1 Blender pictured with Mezzanine Mount**

**S2 Blender pictured with Extruder Mount**



**SX Blender pictured with Floor Mount**

- **Standard Models Available from 2-10 Components.**
- **Feeder ranges for standard 35 pcf pellets: 0.25-40pph; 2-1000pph; 25-2500pph; 100-6000+ pph.**
- **PLC- or PC-based controls with enhanced graphics, and recipe, trending, historian, and inventory management tools.**
- **Loss-in-Weight Technology.**
- **Precision Vibratory Feeders.**
- **Static Mixing.**
- **Powders, Pellet, Flake Regrind.**
- **Integral Vacuum Sequence Control.**
- **Optional Gravimetric Extrusion Control.**
- **Optional High Temp components available.**

## Blender Configurations

- **Mezzanine/Floor Mount. Mezzanine with gravity feed to either an extruder hopper with high/low proximity sensors, or an extruder mounted weighed downcomer. Floor Mount with optional material convey kit to extruder.**
- **Extruder Mount with integral weighed downcomer.**
- **Floor Mount with an integral vacuum take-off box.**

Advanced Blending Solutions

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[www.Adv-Blend.com](http://www.Adv-Blend.com)

# Ordering Information

## Style

- SX** - 500 pph
- S1** - 1000 pph
- S2** - 2500 pph
- S3** - 6000+ pph

## No. of Components

Enter number of components required, up to 10

## Mount

- M** - Mezzanine
- FVT** - Floor Mount with mount for vacuum take-off box
- EXT** - Extruder Mount

## Controls

- AB** - Allen Bradley PLC
- BH** - Beckhoff Automation PC

## Stainless Steel Option

- SS** - Stainless Steel
- Feeder:** - List Feeder Type

## High Temp Option

- HT** - High Temp
- Feeder:** - List Feeder Type

## Continuous Convey Kit

- SX-CC-KIT** - SX with Continuous Convey Kit
- S1-CC-KIT** - S1 with Continuous Convey Kit
- S2-CC-KIT** - S2 with Continuous Convey Kit
- S3-CC-KIT** - S3 with Continuous Convey Kit

## Stainless Steel Option

## High Temp Option

## Feeder Types

- 4R** - 4" diameter feeder with 2" tray
- 10R** - 10" diameter feeder with 2" tray
- 10RT** - Tall 10" diameter feeder with 2" tray
- 16R** - 16" diameter feeder with 4" tray
- 16S** - 16" x 16" square feeder with 4" tray
- 21S** - 16" x 18" square feeder with 6" tray
- 21R** - 21" diameter hopper with 6" tray

## Category Explanations

### Style

Each blender is capable of *up to* the pph listed.

### No. of Components

This describes the number of different materials to be blended.

### Mount

**M** - This is for an application the blender is going to be mounted on a mezzanine directly over the extruder and feed and extruder hopper or weighed downcomer.

**FVT** - Floor mount with an integral Vacuum take-off box.

**EXT** - The Extruder Mount includes an integral weighed downcomer.

### Stainless Steel Option

**SS** - 304 Stainless Steel or Cast Acrylic for all material contact surfaces.

### High Temp Option

**HT** - Components rated for materials up to 350 F RSLogix 5000-based controller.

### Continuous Convey Kit

Continuous Pneumatic Convey transfer to remote location.

