



FOR POWDER OR PELLET MATERIALS

The SPB Series blender is designed for continuous extrusion applications for powder, pellet or micro-pellet materials and offers the most homogeneous blend available compared to common batch-type blenders or mixers. Materials like PVC, wood flour and additives can be efficiently blended for your operation. Twin screw feeders can also be provided for non-free-flowing materials.

The control system automatically adjusts individual ingredient feeders to match the extruder rate at the exact ratio required. Color and additives can be metered down to the lowest tolerance level without affecting end product quality. This results in minimal usage of color or additives and a direct savings in overall production costs. Accuracy of $\pm 0.1\%$ can be achieved, even at very low throughputs.

Design Features

- Flexible modular design for up to eight ingredients and up to 16,500 lbs/hr (7500 kgs/hr)
- Stainless steel, nickel-plated steel and aluminum construction
- Feeders available for most difficult and non-free-flowing materials, and can be modified in the future as production requirements change
- Designed for quick material changes

Benefits of SPB Series Blenders

- Continuous gravimetric blenders respond to changes in the recipe or extruder speed "on-the-fly"
- Offers the most homogeneous blend available
- More consistent product quality:
 - Ingredients are homogeneously dispersed, ensuring a more consistent product cross section, resulting in more consistent product
 - Continuous feeding eliminates surge or starvation of material at the extruder screw
- Elimination of over-feeding to maintain minimum product specification reduces resin consumption, resulting in higher line yields and increased profitability

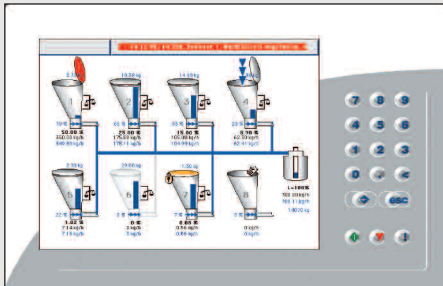




Control System

The metering stations can operate independently or in tandem on a co-extrusion line. The menu-driven control is geared for easy operation with messages appearing in plain text. The set point for each material can be entered during operation. Password protection avoids unauthorized access to stored data or recipes.

- Menu-driven control with password protection
- Recipe storage
- Event and inventory logging
- Printer interface (optional)
- MultiLine™ control system (optional)
- Communications package



SPBW Feeder
for wood flour



Twin screw, agitated
powder feeder



Sterling New Berlin
2900 S 160th Street
New Berlin, WI 53151 USA
Tel: +1 262 641 8610
Fax: +1 262 641 8653
www.sterlco.com

Sterling Schaumburg
1100 E Woodfield Rd #550
Schaumburg, IL 60173 USA
Tel: +1 847 273 7700
Fax: +1 847 273 7804

Sterling Warsaw
ul. Dziakowa 115
02-234 Warszawa
Tel: +48 22 390 9720
Fax: +48 22 390 9724

Sterling India
Gat No. 191/1, Sandbhor Complex,
Mhalunge, Chakan, Tal Khed,
Dist. Pune 410501, India
Tel: +91 21 35329112
Fax: +91 20 40147576

Sterling Suzhou
109 Xingpu Road SIP
Suzhou, China 215126
Tel: +86 512 8717 1919
Fax: +86 512 8717 1916

