



CRG  
LOGICS, INC.

QUALITY MACHINERY AND CONTROL SOLUTIONS

## CRG Logics, Inc. Integrated Blending, Extrusion Control, and Smart Connection System Competitive Advantages

1. **Accuracy:** Of all blend technologies available today continuous loss-in-weight is the most accurate and repeatable technology available.
2. **True Blending.** With a downcomer the Simplicity blender provides a Homogenous pellet mixture. Mechanical mixing used in batch technology is touchy and often causes dissimilar materials to segregate affecting film quality. Dosing system provide zero blending and rely on the extruder to do the blending.
3. **Recipe Verification.** With the Smart Connection System real world connections can be compared to your desired recipe thus preventing costly mistakes.
4. **Extrusion Thickness Control.** With the gravimetric blending system providing the extrusion control you end up with the ultimate in reliability and accuracy.
5. **Reduce the required amount of tubing.** With the Smart Connection System vacuum draws on a line are sequenced allowing a single line to be used across multiple pumps. In a system with 4 pumps the required amount of tubing, hardware, and installation labor can be cut by 75%.
6. **Material Convey Velocity Control.** There is an optimum velocity at which to convey bulk solids. This is dependent on material density. With the Smart Connection System the system knows the density of the material and the line size being used and can control the pump speed to convey at the optimum velocity.
7. **Real-Time Trending and Data-Logging.** With the Simplicity Series Control solution you can log key process variables for real-time trends or to recreate your process conditions in the event of a quality concern.
8. **Material Run-Down.** With a fully integrated system the equipment can be timed to empty the blenders and material lines simultaneously with the end of an order.
9. **Minimal Change-Over Time.** With the Smart Connection System all connections are available in one location and can be done in a fraction of the time of conventional systems. This combined with the material run-down feature greatly reduces costs associated with recipe transitions.
10. **Recipe.** With the enhanced recipe features of the system and the ability to tie recipes into the line control the set-up of the entire system is seamless.
11. **Reduced Maintenance Costs.** By using Vibratory feeder technology the Simplicity series blender has eliminated the complex matrix of auger/motor/gearbox/sleeve combinations and the associated risk, spare parts costs, and maintenance. Vibratory feeders have zero wear parts and mean time between failures of over 10 years.

One of the biggest challenges in extrusion is getting the right stuff to the extruder dependably, accurately, and reliably. Let us solve this equation for you and you will reap the benefits for years to come.

Mailing • PO Box 28317 • Green Bay, WI 54324-0317 • Ph: 920-884-7400

Shipping • 610 Baeten Road • Green Bay, WI 54304 • Fx: 920-884-7404

• [www.crglogics.com](http://www.crglogics.com)

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