

Brief Description

- Colortronic's FPC Blending System provides the ultimate in on-line processing flexibility for precision gravimetric natural fiber-polymer composite formulation applications
- Most compact powder/pellet blending system in the industry
- Single or multi-station design accommodates all possible process configurations
- Fully modular design permits optimal component configuration and interchange flexibility for fast and efficient on-line formulation changes
- 100% gravimetric for highest possible formulation accuracy and material throughput data
- Comprehensive range of feeder types and agitation to handle all types of materials
- Available in pelletizing, and single and co-extruded profile configurations
- Centralized digital formulation control with recipe storage and available profile weight/length extruder control
- Mounts to any extruder



Colortronic's natural fiber loss-in-weight blending station (left) is specially designed to reliably handle and control wood-fiber/flour and other ligno-cellulosic materials, and has provision for proportioning regrind/recycle with the possible introduction of up to a total of 8 ingredients as required by the application.

Colortronic's eight-ingredient capacity loss-in-weight blending station (right) acts in concert with the ligno-cellulosic station to proportion the powdered or pelletized polymer (e.g. PE, PP, PVC) and all required additives such as color, lubricants, uv stabilizers, etc.



Shown here is a Colortronic FPC Blending System operating in a wood-plastic composite co-extrusion application. Flexibility is designed into the FPC Blending System to permit it to be optimally configured for any type of single or co-extrusion wood-plastic composite process.

Colortronic's Natural fiber-Polymer On-Line Formulation System delivers the key component processors will need to successfully compete in the fast growing extruded wood-plastic marketplace.

In this demand-driven market, forward-looking processor are recognizing the pre-eminent role processing flexibility will play in their success.

As wood-plastics composites technology becomes more accepted in building product applications such as decking, decorative trim, fencing, railings, and window/door profiles, many new building product applications are emerging such as shutters, siding and shingles.

And many more promising applications exist in the automotive sector alone.

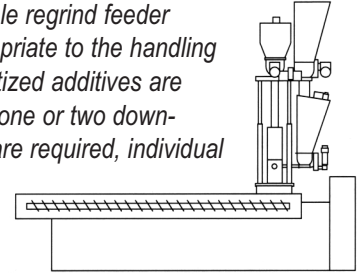
To seize these opportunities and to remain viable and competitive, processors will need the flexibility to meet quickly changing customer demands... to become 'just-in-time' suppliers... to economically shift formulations on-the-fly... and to minimize material inventory costs.

Key to achieving these requirements is the flexible on-line formulation capabilities afforded by Colortronic's Natural Fiber-Polymer On-Line Formulation System.

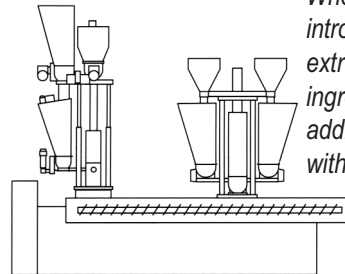
Contact Colortronic today for the full story on how formulation flexibility can be the key to you processing success.

Sample Process Configurations

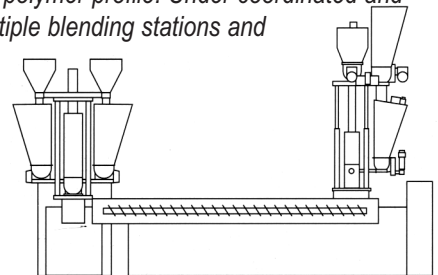
In applications requiring the introduction of most blend components at the extruder throat, Colortronic's fiber/polymer loss-in-weight blending station accommodates a total of 8 ingredients. In addition to woodfiber, resin, and possible regrind feeder modules, other modules appropriate to the handling of powdered, granular or pelletized additives are fitted to the station's stand. If one or two downstream liquid or dry additives are required, individual modules may be positioned along the extruder barrel.



Where multiple additives are to be introduced downstream of the extruder throat, Colortronic's eight-ingredient capacity loss-in-weight additive blending station interfaces with the fiber/polymer station to proportion powdered, granular, pelletized or liquid additives such as color, lubricants, uv stabilizers, etc., including the polymer itself as required. If needed, the liquid additives may be introduced under the station's control at point(s) other than dry additive infeed.



The flexibility of Colortronic's FPC Blending system permits full flexibility in meeting the specific needs of dual extruder formulation applications, as well as co-extrusion operations such as adding a vinyl coating to a wood-polymer profile. Under coordinated and centralized control, multiple blending stations and components may be configured on multiple extruders in any number of ways to fulfill the project's exacting requirements.



www.colortronicna.com

Corporate Headquarters:

4100 Market Place
 Flint, MI 45807
 PH: 810-720-7300
 FX: 810-720-2598
colortronicweb@corpemail.com