



PROCESS CONTROL CORPORATION

XU-Series Continuous, Loss and weight blending

CONTACT: Jim Collins
PHONE: 770-449-8810 ext 243
EMAIL: jcollins@process-control.com

Process Control Corporation, a leading supplier of gravimetric blending equipment, continues to expand its X-Series line of highly accurate, continuous blenders with the addition of the XU Series continuous, loss-in-weight powder blender. The XU blender offers unsurpassed blend accuracy and blend homogeneity in a wide range of configurations to meet the needs of any application, by incorporating the PF Series, stainless steel powder feeders. It allows gravimetric blending of non-free-flowing powder materials with free-flowing powder, regrind and pellet materials at unprecedented metering and mixing accuracy. Other PCC blenders have been able to incorporate one or two powder feeders, but the XU is the first to be designed for all powder feeders in a four or six element configuration. The XU Series Continuous Powder Blender is also available in food grade stainless steel.

The powder feeders allow individual rates as low as 0.2 PPH and as high as 6,000 PPH. Metering augers are available in full pitch or 1/2 pitch configurations with helix diameters from 1/4 inch to 2-1/4 inches. Incorporated into the electro-polished stainless steel design is a patented round-to-trough feeding area, which provides more consistent mass flow for better metering accuracy. The feeder is designed with a steep wall, removable hopper that features a dust-tight band clamp for easy mounting of hopper extensions and quick disassembly for clean out. The bottom trough design is optimized to provide maximum material exposure to the auger.



The drive system of all blender components utilizes a brushless gear motor for accurate speed feedback. This allows each of the individual feeders to better maintain a constant weight throughput.

The weighing system is designed with DSP (digital signal processing) technology to filter out unwanted noise and vibration, which can affect any feeding system, especially at very low feed rates.

The operator enters the desired blend recipe at the operator station. All ingredients are simultaneously metered in the correct blend ratios by augers from individual weighed PF Series powder feeders. The ingredients then flow through a cascade chamber, with optional static mixer, producing the best blend homogeneity.

Established in 1967, Process Control Corporation has an unending commitment to designing, manufacturing, and marketing the most advanced auxiliary machinery to the plastic processing industry. These technologies and products include gravimetric blenders, extrusion control systems, automatic scrap recycling equipment, material handling conveying and storage systems, hot air and desiccant dehumidifying drying systems, and powder feeding systems and are distributed worldwide.

