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FOR IMMEDIATE RELEASE

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New Brushless DC Motors and Drives

PCC has just developed and released a completely new drive/gearmotor package for its auger based, continuous loss-in-weight feeders and blenders. The X-Series blenders and AFG/PF feeders previously incorporated a PWM drive and a permanent magnet DC gearmotor to rotate the metering auger. PCC started the development by designing a new generation of motor drives that would control both the older permanent magnet motors and the new generation of Brushless DC motors (see figure 1).



Fig.1



Fig.2

The new gearmotors (see figure 2) are both brushless and encoderless, for far superior reliability, performance and a longer life span, as compared to the previous versions. With more torque and a far greater speed range, the new gearmotors only require two power/gear ratio combinations to cover the required RPM range for our line of blenders and feeders, versus eight power/gear ratio combinations for the previous permanent magnet gearmotors. The new drive/gearmotor package is 100% compatible with PCC blenders and feeders already in service, and began shipping on new systems in April (see figure 3).

Dana Darley, General Manager of PCC, further added..."This new auger drive package represents a major advancement in the performance and reliability of our premium line of gravimetric blenders and feeders. We are so confident in this new system, that we are considering a three year warranty on both the drive and gearmotor, whether purchased as an upgrade, spare part or on a new blender/feeder."

Fig.3

Established in 1967, PCC has an unending commitment to the design and engineering of advanced auxiliary machinery for the plastics processing industry. Our goal is to provide the most accurate equipment and exceptional customer service. We revolutionized processing with development of Automatic Scrap Recycling for in-line processing of film scrap and the first continuous gravimetric blending system. Process Control continues to lead the industry with advanced design and innovative solutions for the global marketplace.

Please visit our website at www.process-control.com.

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