

## **Powder King® Leads in Innovation with New Timesaving System**

### Unveiling of the First Pulverizing System for Lab and Small Sample Applications

Cleveland, Ohio (June, 2004) – Powder King®, LLC, a leading manufacturer of pulverizing and material handling systems unveiled their new PK-18 Pulverizing System for small sample milling at the Society of Plastics Engineers Rotational Molding Conference, June 6-8, 2004. This is the first pulverizing mill ever designed specifically for laboratory and small sample applications.

The mill's design saves valuable time when milling small samples that weigh between 1 and 50 pounds. The design incorporates a single-piece bearing housing that consolidates the components of a traditional mill reducing disassembly time and eliminating long clean down times between samples. The mill requires minimal clean-up and can be ready to process the next sample in less than ten minutes. Traditional large pulverizing systems require hours for clean-up between batches. This makes the PK-18 a perfect solution for small sample testing. The mill also features variable speed control for specialty materials. The flywheel incorporates unique fins that act as a mini-impellor increasing air movement to cool the grinding operation.

Powder King® also has a scale model of the production sifter that is used on the larger machines for lab use with the PK-18 mill. The lab mill and sifter can be supplied on a self contained work station so all the equipment is within reach of the operator. Testing has never been made so simple for the customer.

Additional features of the PK-18 include:

- 8" Disks
- Aluminum mill housing with integrated bearing housing
- Flywheel mounted on tapered shaft - runs within .001"
- Gap adjustment from outside the mill using single stud, push/pull adjusters
- 5 HP motor
- Poly hopper
- Variable speed drive with dynamic braking
- Vibratory feeder with control

#### OPTIONAL ITEMS:

- Table top scale sifter of the production model
- Complete work station for the lab mill with sifter build into the table.

Powder King® offers the perfect pulverizing system to save plastic processors time and increase profit margins in a competitive market.

#### About Powder King®, LLC

Powder King®, LLC supplies pulverizing mills and complete material handling systems to plastic processors worldwide. Sales offices are located in Anthem, AZ, and manufacturing facilities are located in Massillon, Ohio. For additional information contact Jim Hummel at Powder King® at 623-551-9897 or e-mail [jhummel@powder-king.com](mailto:jhummel@powder-king.com). [www.powder-king.com](http://www.powder-king.com)