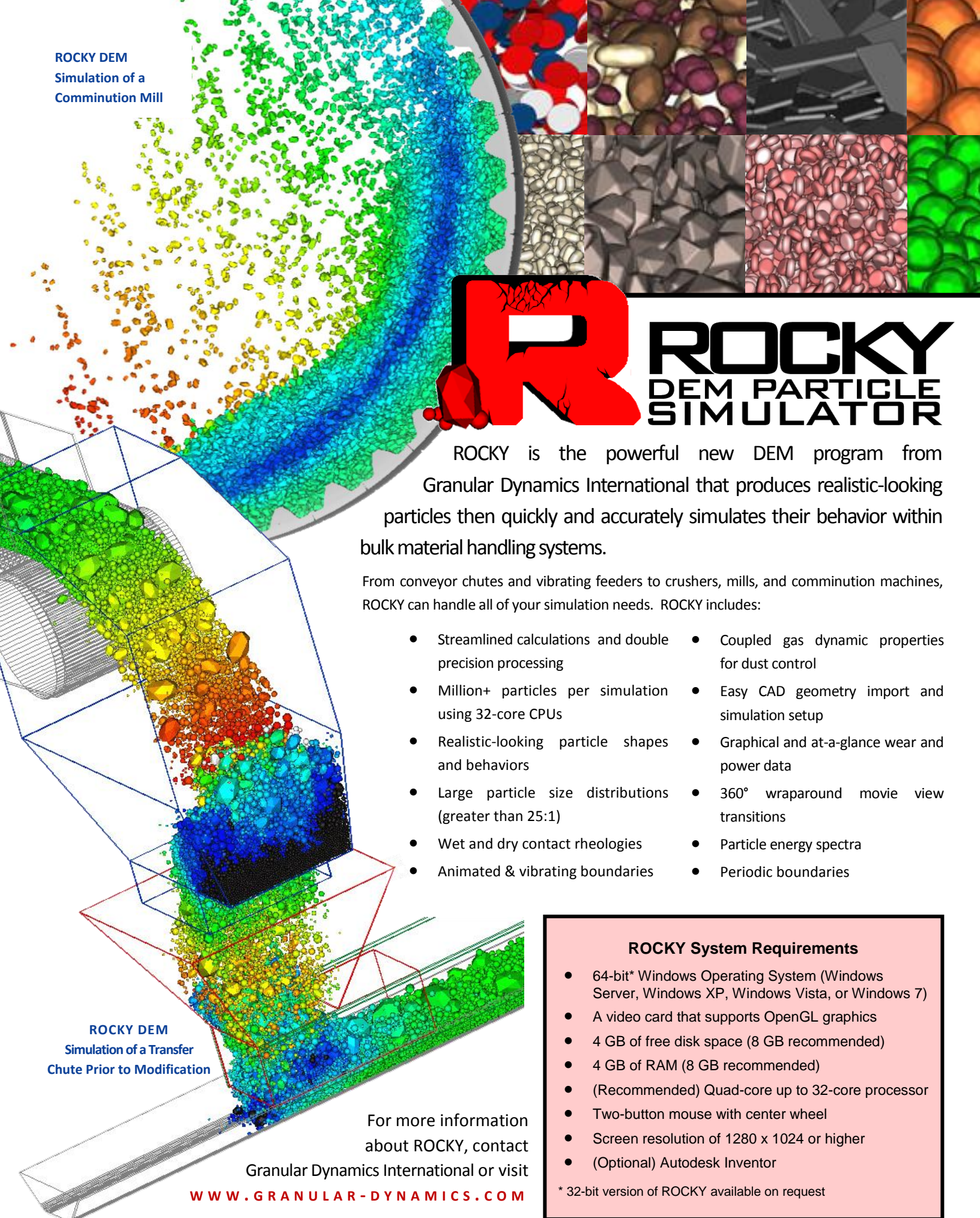


ROCKY DEM  
Simulation of a  
Comminution Mill



# **ROCKY** DEM PARTICLE SIMULATOR

ROCKY is the powerful new DEM program from Granular Dynamics International that produces realistic-looking particles then quickly and accurately simulates their behavior within bulk material handling systems.

From conveyor chutes and vibrating feeders to crushers, mills, and comminution machines, ROCKY can handle all of your simulation needs. ROCKY includes:

- Streamlined calculations and double precision processing
- Million+ particles per simulation using 32-core CPUs
- Realistic-looking particle shapes and behaviors
- Large particle size distributions (greater than 25:1)
- Wet and dry contact rheologies
- Animated & vibrating boundaries
- Coupled gas dynamic properties for dust control
- Easy CAD geometry import and simulation setup
- Graphical and at-a-glance wear and power data
- 360° wraparound movie view transitions
- Particle energy spectra
- Periodic boundaries

ROCKY DEM  
Simulation of a Transfer  
Chute Prior to Modification

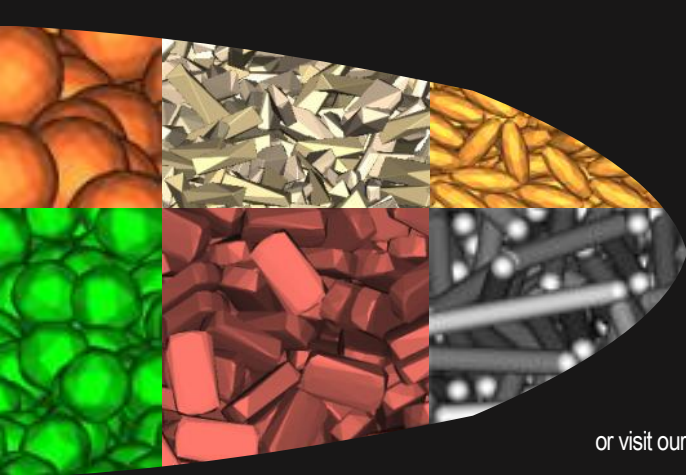
For more information  
about ROCKY, contact  
Granular Dynamics International or visit

[WWW.GRANULAR-DYNAMICS.COM](http://WWW.GRANULAR-DYNAMICS.COM)

### ROCKY System Requirements

- 64-bit\* Windows Operating System (Windows Server, Windows XP, Windows Vista, or Windows 7)
- A video card that supports OpenGL graphics
- 4 GB of free disk space (8 GB recommended)
- 4 GB of RAM (8 GB recommended)
- (Recommended) Quad-core up to 32-core processor
- Two-button mouse with center wheel
- Screen resolution of 1280 x 1024 or higher
- (Optional) Autodesk Inventor

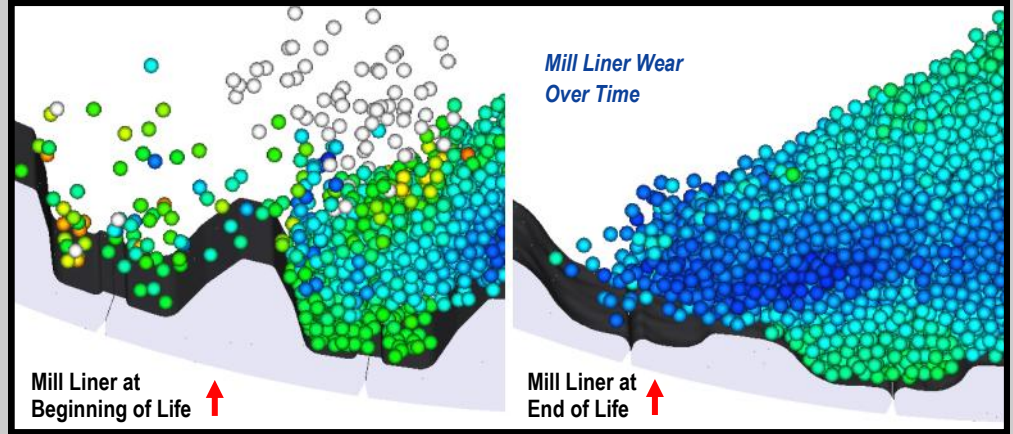
\* 32-bit version of ROCKY available on request



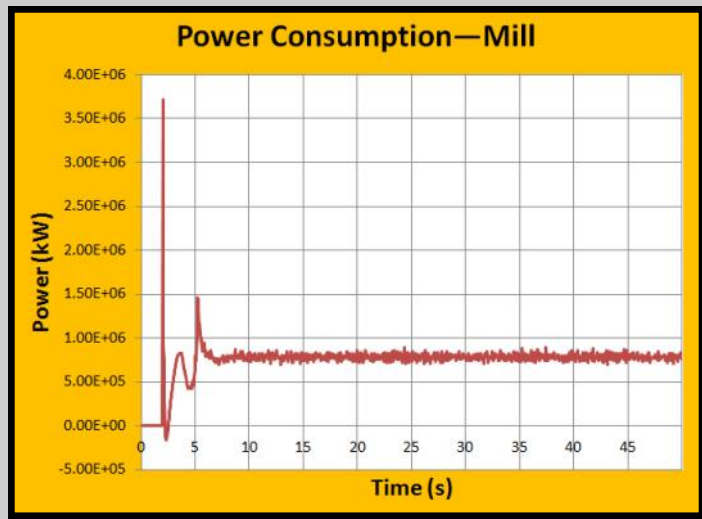
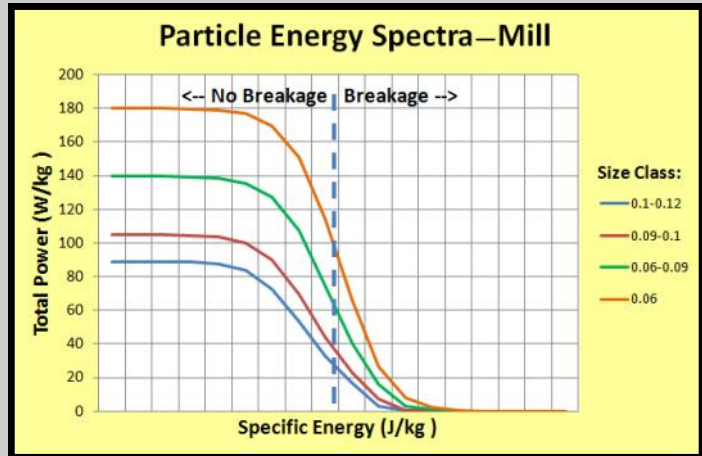
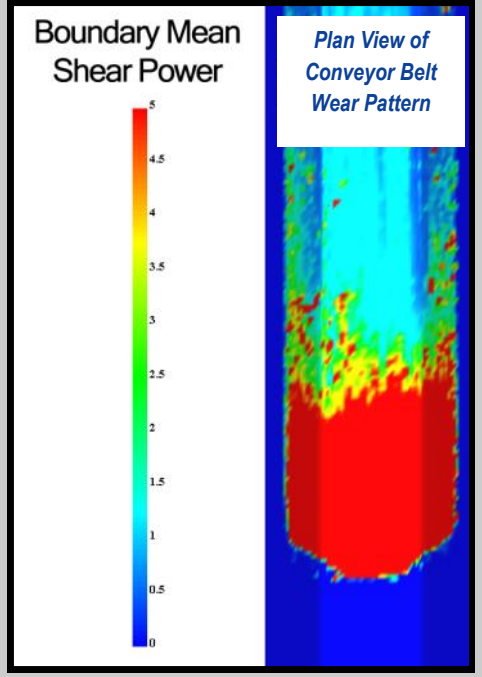
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ROCKY customization and design services available. Contact Granular Dynamics International or visit our website for more information: [WWW.GRANULAR-DYNAMICS.COM](http://WWW.GRANULAR-DYNAMICS.COM)

**ORE COMMINUTION & WEAR**  
 MILLS, CRUSHERS—COMPRESSION, SHEAR



**SURFACE INTENSITY**  
 ALL SURFACES



**PARTICLE FLOW CALIBRATION**  
 CHUTES, BINS, SILOS

