

# MODEL **IMD 700 SERIES** GRAN-U-LIZER™

**DESIGNED FOR HIGH ACCURACY GRINDING & CRUSHING APPLICATIONS**



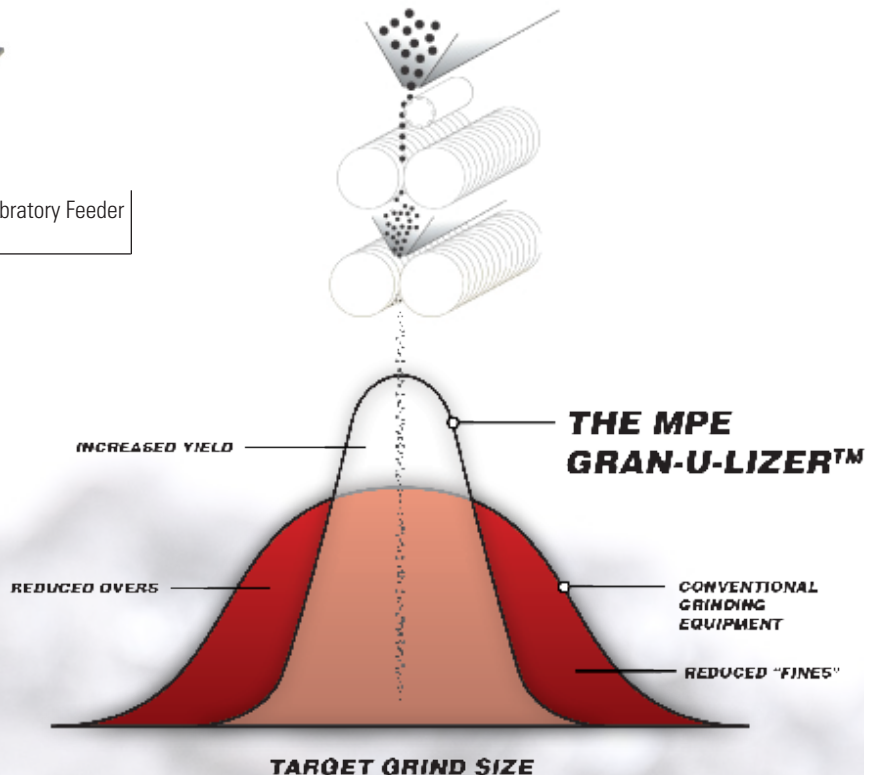
Model IMD 700 Gran-U-Lizer with Vibratory Feeder

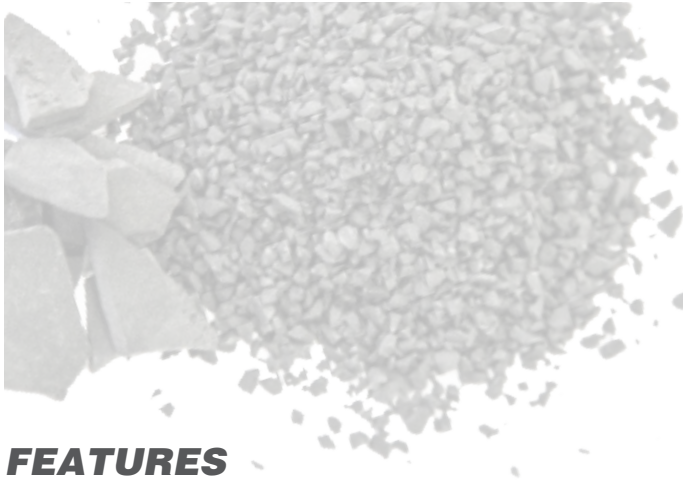
MPE's Model IMD 700 Series Roller-Style Gran-U-Lizers provide precisely-controlled uniform particle size distributions with minimal unwanted "fines", even in the most demanding of applications. The IMD 700 is designed for industrial food, chemical and mineral processing applications where exact particle size distributions are desired.

As many as two (2) modular grinding sections can be vertically stacked and each includes infinite gap adjustment for maximum grind flexibility.

## THE MPE GRAN-U-LIZER ADVANTAGE

Accurately machined rolls and MPE's proprietary design technologies provide a uniform particle size distribution, with up to 75% fewer unwanted "fines", when compared with other grinding equipment designs.





**SPECIFICATIONS**

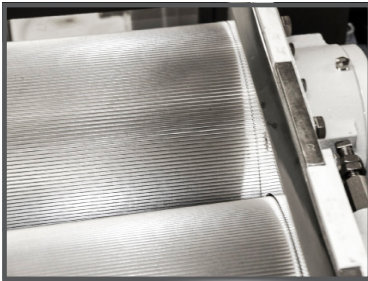
- Roll Size:** 6 x 18 inches [152 x 457 mm]
- Sections:** One (1) to two (2) stacked grinding sections
- Total Power:** 10 - 15 HP [7.4 - 11.2 kw] per section / 50 or 60 hz
- Target Range:** 4 - 150 US Mesh [4,700 - 100 microns]
- Capacity:** Dependent upon material grind size and density
- Drawing:** Available for download on website

**FEATURES**



**MANUAL ROLL GAP ADJUSTMENT**

Grind adjustment is achieved using a manual adjustment mechanism (Settings 1 - 25), which can be quickly and easily adjusted to achieve roll gap accuracies of +/-0.001" (0.02mm). A semi-automatic control panel features push button style controls with optional digital gap indication.

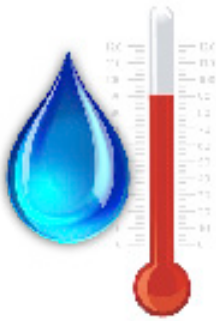


**WIDE RANGE OF FINISHED PARTICLE SIZES & APPLICATIONS**

Infinite roll gap adjustment allows for a wide range of grind flexibility, typically ranging from 4 to 150 US Mesh [4700 - 100 microns]. The Model 700's uniform particle size distribution, low-energy usage, extreme wear resistance and minimal heat introduction make this Gran-U-Lizer advantageous for thousands of applications.

**ROLL SURFACE OPTIONS & PRECISION TOLERANCES**

MPE manufactures its own tools used to corrugate rolls and offers thousands of tooth sizes and profiles for each unique application and grind size. Precision tolerances and repeatability guarantee consistent performance hour to hour, day to day, and year to year.

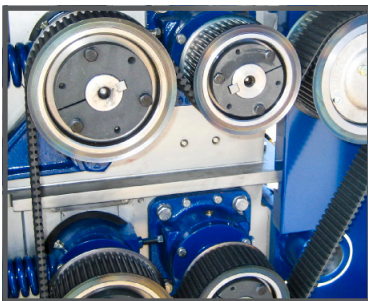


**RUGGED DESIGN & CONSTRUCTION**

Heavy-duty construction and oversized double spherical roller bearings provide a long service life, reduced vibrations and maintain tight tolerances under extreme conditions.

**OPTIONAL TEMPERATURE-CONTROLLED ROLLS & PRODUCT TEMPERATURE MONITORING SYSTEMS**

Optional water-cooled or heated rolls can be installed for products that require temperature control during the grinding process. Thermoprobes monitor product temperature at various points in the grinding process.



**OTHER OPTIONS INCLUDE:**

- High hardness roll materials and coatings for extreme wear resistance
- Stainless steel and/or electroless nickel plating for non-corrosive construction
- Gas-tight designs
- Inert gas grinding environment
- Air purge bearings
- Variable speed rotary or vibratory feeders

