

MODEL **IMD 800** SERIES COFFEE GRANULIZER

SUPERIOR GRINDING Technology for High-Capacity Applications



Model IMD 89 Coffee Granulizer
Two (2) Grinding Section Configuration with Integrated Normalizer

The IMD 800 Series Granulizer is the world's most technically advanced coffee grinder, producing up to 4000 kg/hr. of ground coffee to the highest tolerances and most exact specifications. A central element of the IMD 800 is the recipe-driven PLC control system, which monitors and controls all aspects of the grind size and density control with "Real Time" performance feedback. Modern features such as water-cooling, real-time density control and bimodal grinding make the IMD 800 the world's most popular high-capacity industrial coffee grinder.

SPECIFICATIONS

- Roll Size:** 8 x 30 inches [203 x 762 mm]
- Sections:** Two (2) or three (3) stacked grinding sections
- Power:** 5 - 20 HP [3.7 - 15 kw] per section/ 50 or 60 hz
20 HP [15 kw] for the normalizer section
- Drawing(s):** Available for download on website

ACCOMODATES ALL GRIND SIZES

| | |
|----------------|-------------------|
| COARSE/SOLUBLE | PODS |
| REGULAR | ESPRESSO |
| DRIP | BIMODAL |
| | TURKISH/ULTRAFINE |




MODERN PROCESS EQUIPMENT CORPORATION

THE WORLD'S LEADING MANUFACTURER OF COFFEE GRINDING EQUIPMENT

| Model | Grinding Sections | Normalizer | Approximate Capacity (lbs/hr) | | | | | | Traditional Grind Range [average size in microns] | | |
|----------|-------------------|------------|-------------------------------|----------|----------|--------|-----------------|-------|--|----------|-----------------------|
| | | | 0 | 1,000 | 2,000 | 4,000 | 6,000 | 8,000 | 10,000 | | |
| IMD 89 | 2 | Y | | | Espresso | Filter | | | | Turkish | 50 - 175 microns |
| IMD 889 | 3 | Y | Turkish | Espresso | Filter | | | | | Espresso | 200 - 450 microns |
| IMD 89 S | 2 | N | | | | | Soluble/Instant | | | Filter | 500 - 1,000 microns |
| | | | | | | | | | | Soluble | 1,000 - 2,500 microns |

FEATURES:



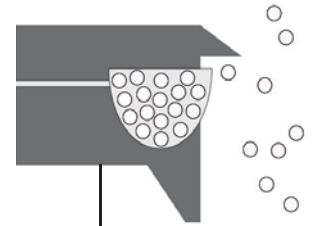
Greater Capacity and Efficiencies with Modular Grinding Sections

Each modular grinding section is driven by its own high-efficiency **Independent Motor Drive (IMD)**, which allows for faster roll speeds and higher throughput than traditional serpentine belt designs. **HTD (High Torque Drive) Belts** and spring-loaded tensioners provide maintenance-free power transmission to the rolls at increased speeds (up to 3,000 RPM).



Rugged Design and Construction

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



Intelligent Density Control Systems

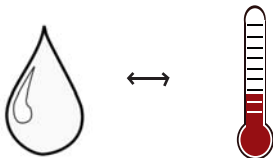
Coffee density is accurately regulated utilizing normalizer motor amperage feedback and precision discharge control. MPE's optional **"RT" Density System** measures coffee density in "Real Time" at 1 minute intervals and provides instant feedback to the Granulizer control system for absolute density control.

Optional Gas-Tight Designs Available

| Recipe: 21 | | 80% | |
|------------|-----------|-----|--|
| Roll Gap | | | |
| Actual | 0.0350 in | | |
| Recipe | 0.0350 in | 72% | |
| | | | |
| Actual | 0.0080 in | | |
| Recipe | 0.0080 in | 67% | |
| | | | |

Automated Recipe-Driven Control System with Precision Servo Gap Control

Unique pneumatic servomotor design and micrometer indicators on each grinding section provide easy, microfine gap adjustments with accuracy of +/- 0.0005" (0.01mm). The Recipe-Driven Control System monitors and controls all grind and density requirements.



Water-Cooled Rolls and Coffee Temperature Systems

Heat elimination in the grinding and normalizing (homogenizing) process **preserves the coffee volatile oils and aroma** and prevents a "second roast" during grinding. The 800 Series normalizer features veined water channels and the largest surface area in the industry.

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