

Engineered to deliver high-performance reduction in a compact footprint, the JMC5025 500 x 250 Mini Jaw Crusher brings heavy-duty processing capabilities to smaller-scale operations. Designed with precision manufacturing techniques, this unit ensures reliable, continuous output without compromising on structural integrity.

### Key Specifications & Features

**Robust Structural Integrity:** The robotic-welded mainframe undergoes a furnace stress-relieving process and is CNC-machined to withstand demanding, high-impact crushing applications.

**Heavy-Duty Cast Steel Pitman:** Equipped with a premium cast steel pitman, engineered to offer superior fatigue resistance and long-term durability under continuous loads.

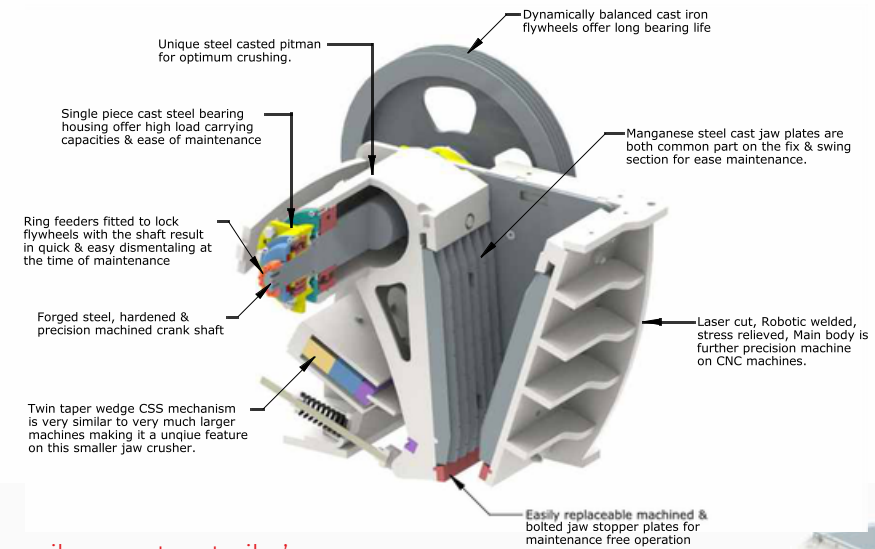
**Hydraulic CSS Adjustment:** Features an integrated twin taper wedge Closed Side Setting (CSS) mechanism, allowing for precise, safe, and efficient discharge size adjustments.

### Applications in Urban Recycling

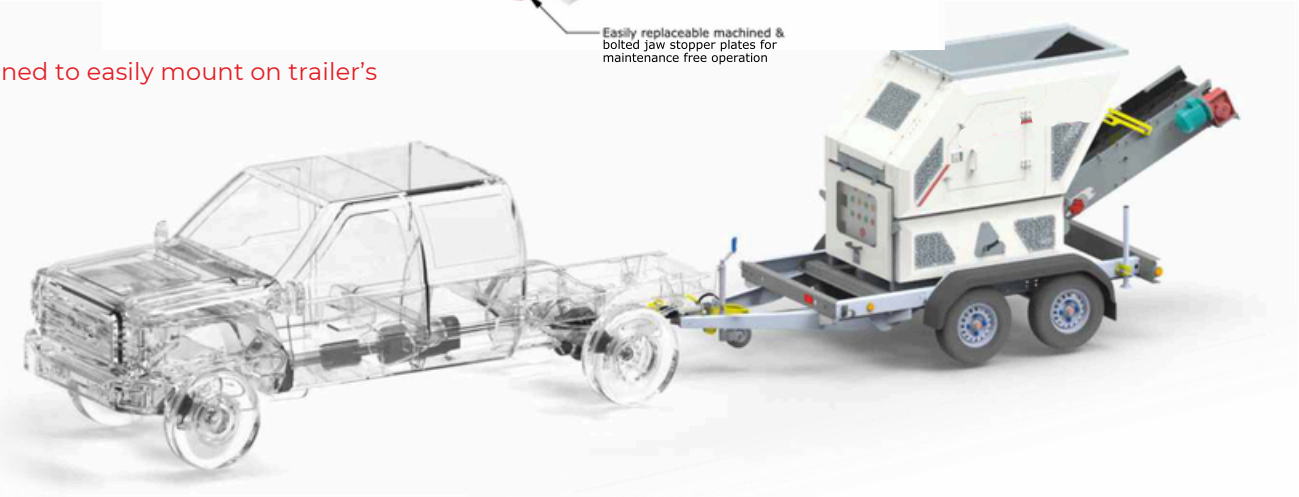
**Construction & Demolition (C&D) Waste:** Perfectly sized for processing on-site or in compact recycling yards, transforming mixed demolition debris into valuable aggregate.

**Concrete & Masonry Processing:** Efficiently crushes reinforced concrete, paving slabs, and foundation remnants into reusable sub-base materials.

**Tiles, Bricks & Ceramics:** Ideal for reducing brittle ceramic waste, bricks, and terracotta into graded aggregates suitable for landscaping and back filling applications.



Designed to easily mount on trailer's



### Integrated Electric Skid-Mounted Jaw Crusher Unit

Designed as a complete, self-contained processing plant, the JMC5025 500 x 250 electric skid unit pairs our proven mini jaw crusher with an engineered suite of material handling and control systems. Built for rapid deployment and seamless operation, this modular assembly delivers maximum efficiency in a compact footprint.

### Key Features & Equipment Specifications

**CompactSkid & Trailer-ReadyBase:** Mounted on a robust structural steel skid complete with comprehensive safety guards and a modular base designed for effortless trailer mounting and transport.

**Feed System:** Features an ergonomically designed top feed hopper equipped with an integrated static grizzly section and a dedicated bypass chute for optimal material flow management.

**Integrated Drive & Tensioning:** Features a custom motor mounting directly on the crusher frame, complete with a reliable belt tensioning mechanism for optimal power transmission.

**Hydraulic CSS Adjustment:** Equipped with a hand-operated hydraulic pump system, enabling quick and effortless Closed Side Setting adjustments.

**Advanced Electrical Control:** Housed in a professionally engineered electrical panel incorporating inverter (VFD) drives for both the crusher and the discharge conveyor to give precise operational control.

**Operator Control & Safety:** Includes a convenient pendant remote switch paired with an accessible emergency stop switch for enhanced site safety.

**Discharge Handling:** Features a sleek, manually folding discharge conveyor engineered for quick setup and teardown during site relocations.

### Crusher Production Chart for 500 x 250 Jaw Crusher

| Crusher Size | Crusher Motor | Closed Side Setting (CSS) | Estimated Output Size (80% passing) | C&D Waste / Recycled Concrete (TPH) |
|--------------|---------------|---------------------------|-------------------------------------|-------------------------------------|
| 500 x 250 mm | 11 KW         | 10 mm                     | 5 mm – 15 mm                        | 2 – 4 TPH                           |
|              |               | 20 mm                     | 10 mm – 25 mm                       | 4 – 7 TPH                           |
|              |               | 30 mm                     | 20 mm – 35 mm                       | 6 – 10 TPH                          |
|              |               | 40 mm                     | 30 mm – 50 mm                       | 9 – 13 TPH                          |
|              |               | 50 mm                     | 40 mm – 60 mm                       | 11 – 15 TPH                         |