



MANUAL TOOLS COMPANY

Manufacturer of Coke Oven Machinery



**30+ YEARS OF
EXCELLENCE**

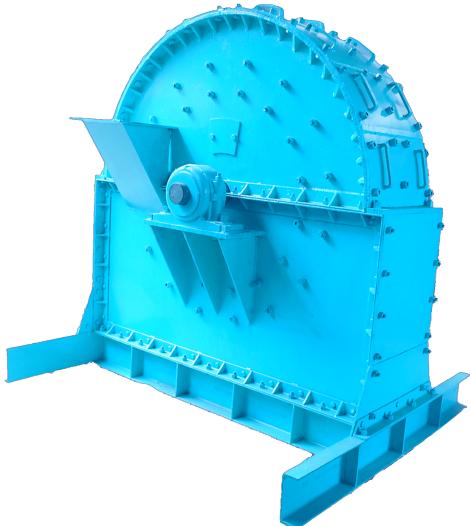
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Dhanbad, Jharkhand | manualtoolsco.com



COAL CRUSHER 5 NO. SIZE

SINGLE DISC DISINTEGRATOR



PERFORMANCE

- ✓ Crushing Capacity: 10 to 12 Tons / Hour
- ✓ 80 - 120 HP Heavy-Duty Electrical Drive
- ✓ Input Feed Size up to 125mm
- ✓ Output Size < 2mm

KEY CAPABILITY:

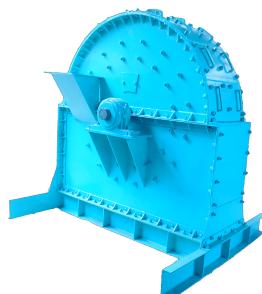
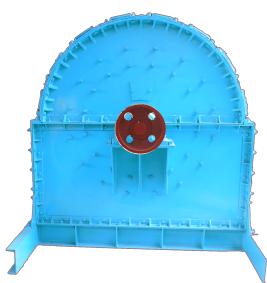
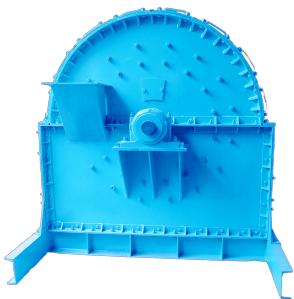
Engineered for precision and consistency, this Single Disc Crusher effectively pulverizes coal into fine granules below 2mm. Featuring a robust 12mm body and 6 Manganese Steel hammers, it is the ideal product for coke oven applications requiring uniform output.

DURABILITY & DESIGN

- ✓ Manganese Steel Side & Top Liner Jaw Plates
- ✓ Double Row Spherical Bearings
- ✓ Single-Side Easy Feeding Mouth
- ✓ Extra-Wide Disc for Uniformity

PRODUCT GALLERY

A showcase of our engineered installations and heavy-duty industrial components.

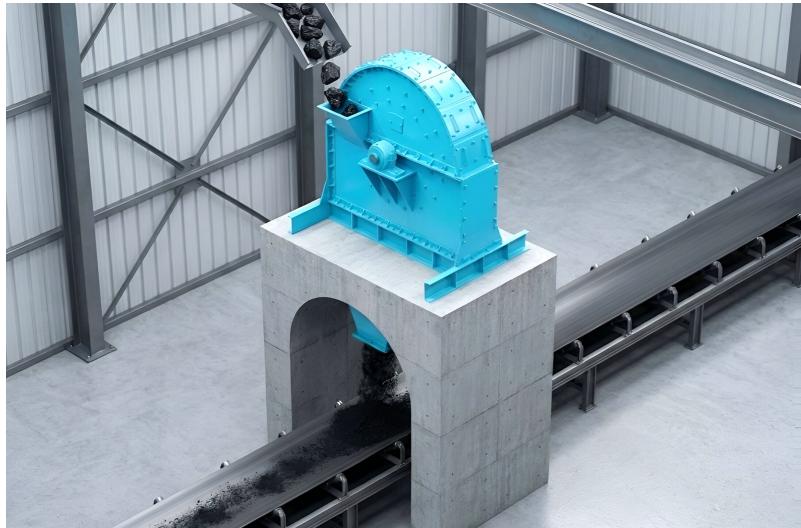


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Operational Process Flow

Visualizing the high-speed fine pulverization cycle.



Single Disc Pulverizing Cycle

1. Gravity Feed

Raw coal lumps (up to 125mm) are delivered via the upper conveyor belt and drop directly into the crushing chamber via the top hopper.

2. High-Speed Impact

Inside, the Single Disc rotates at high speed. The 6 Manganese Steel hammers impact the coal against the liner plates, shattering it instantly.

3. Fine Discharge (< 2mm)

The pulverized coal is reduced to a fine powder (below 2mm) and discharged onto the lower conveyor belt, ready for the boiler.

COMMON QUESTIONS

Q. What is the output size?

A. The Single Disc Crusher is calibrated to produce a fine output size of below 2 mm.

Q. What is the motor capacity?

A. It requires an electrical motor between 80 H.P. to 120 H.P. depending on your required TPH (Tons Per Hour).

Q. Are the hammers replaceable?

A. Yes, the 6 Manganese Steel hammers are designed for easy replacement via the side access door.

Q. What is the delivery time?

A. Standard models are often in stock. Custom configurations typically take 3-4 weeks for fabrication.

Q. What is the maintenance schedule?

A. Routine maintenance involves checking the liner plates and greasing the bearings. The hammers are easily replaceable when worn out.

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