



**MANUAL TOOLS COMPANY**

Manufacturer of Coke Oven Machinery



**30+ YEARS OF  
EXCELLENCE**

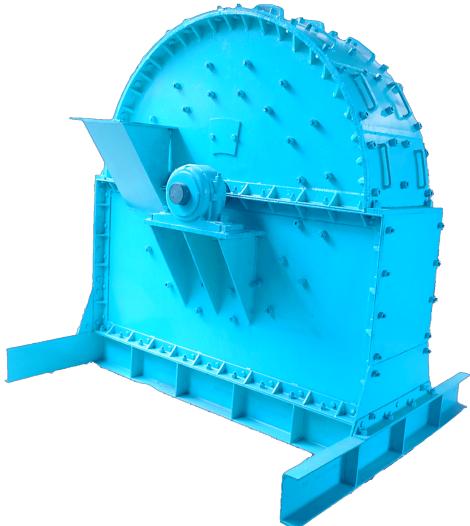
Ravindra Kr. Agarwal, Prop.

Dhanbad, Jharkhand | [manualtoolsco.com](http://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:

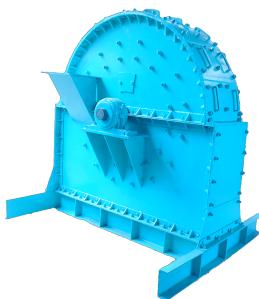
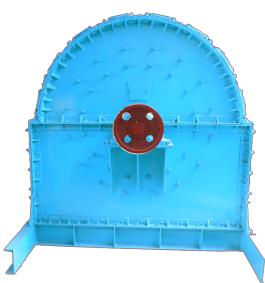
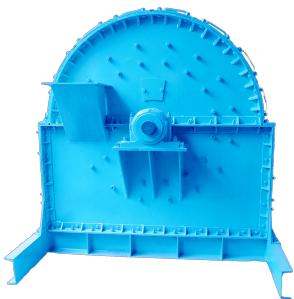
Engineered for precision and consistency, this Single Disc Crusher effectively pulverizes coal into fine granules below 2mm. Featuring a robust 12mm body and 6 Manganese Steel hammers, it is the ideal product for coke oven applications requiring uniform output.

### 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.

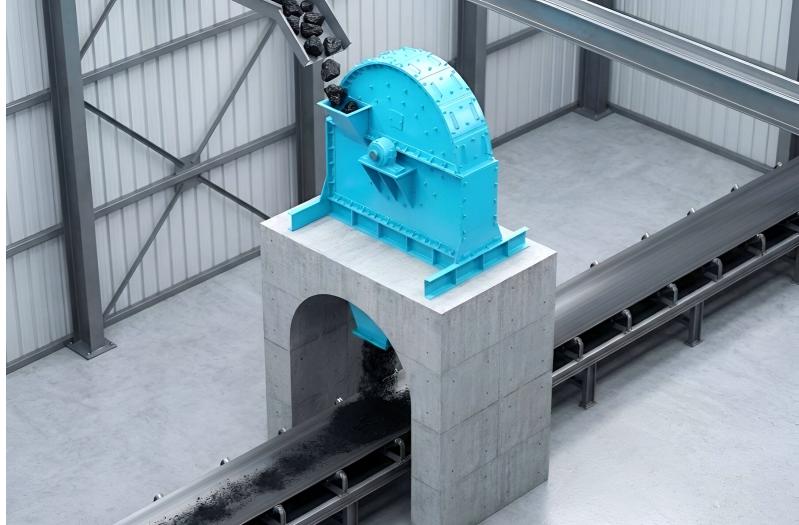


**REQUEST A QUOTATION: +91 9430707348**



## 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.

**REQUEST A QUOTATION: +91 9430707348**