

# Coal Powder Briquetting Machine

This machine processes various powder materials with high efficiency and promotes energy saving and environmental protection. It plays a critical role in reusing powdery materials like anthracite and lignite for power generation, gas production, and heating.



## Overview

### High-Efficiency Coal Powder Briquetting

This industrial briquetting machine is designed to process various powder materials, including anthracite, soft coal, and peat, into uniform briquettes. It serves a critical role in reducing powder pollution and minimizing raw material volume for easier transportation and storage. Characterized by low power consumption and a compact structure, it is an ideal solution for maximizing the value of coal resources in metallurgy, chemical, and heating industries.

## Key Features

### Main Benefits

High Efficiency, Energy Saving, Environmental Protection, Compact Structure, Low Power Consumption

## Technical Specifications

### Performance Range

**2 t/h**

Min Capacity

**28 t/h**

Max Capacity

**1000 mm**

Max Roller Diameter

### Model Specifications

Model	Roller Diameter (mm)	Theoretical Yield (t/h)	Matching Reducer	Motor Power (kw)
QD290-2	290	2	ZQ350A	5.5
QDJ360-2	360	4	ZQ350A	7.5
QDJ430-A	430	7	ZQ400A	11
QDJ500-1	500	10	ZQ650A	37
QDJ650-1	650	12	ZQ750A	45
QDJ750-1	750	17	ZQ850A	50
QDJ850-1	850	20	ZQ1000A	55
QDJ1000-1	1000	28	ZQ1250A	75

## Applications

### Compatible Raw Materials

- Anthracite
- Soft Coal
- Peat
- Coking Coal
- Lignite
- Ore Powder
- Refractory Materials

### Industrial Applications

- Power Generation
- Gas Making
- Metal Smelting
- Industrial Heating
- Boiler Burning

## Technology



The robust roller assembly designed for high-pressure cold press molding of coal fines.

### Cold Press Molding Process

The equipment utilizes cold briquetting technology, which can be configured for both binder and non-binder molding. The standard powdered coal process typically employs a medium and low-pressure technology involving the addition of a binder followed by cold press molding without the need for immediate drying.