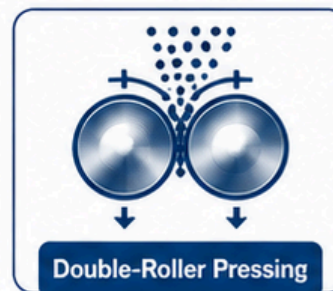


Coal Briquette Machine

Double-Roller Briquetting for Prepared Coal Fines and Coke Fines



Model Range and Preliminary Selection

YHQ/YHY Series | Confirmed Technical Parameters for Preliminary Comparison



Small Unit



Medium Unit



Large Unit



High-Capacity Unit

Confirmed YHQ/YHY Technical Parameters

Model	Reducer	Ratio	Roller Size	Roller Speed	Motor Power	Catalogue Capacity	Dimensions
YHQ290	ZQ350	1:23.24	Φ290 × 220 mm	20–25 r/min	5.5 kW	2–3 t/h	1.20 × 1.00 × 1.40 m
YHQ360	ZQ350	1:31.5	Φ360 × 250 mm	15–17 r/min	7.5 kW	3–5 t/h	2.26 × 1.53 × 1.98 m
YHQ400	ZQ400	1:31.5	Φ400 × 250 mm	15–17 r/min	11 kW	4–7 t/h	2.30 × 1.38 × 1.96 m
YHQ500	ZQ500	1:31.5	Φ500 × 300 mm	15–17 r/min	22 kW	8–10 t/h	2.61 × 1.75 × 2.35 m
YHQ650	ZQ650	1:31.5	Φ650 × 300 mm	12–16 r/min	30 kW	12–20 t/h	3.42 × 2.00 × 2.40 m
YHY750	ZQ750	1:31.5	Φ750 × 380 mm	12–15 r/min	45–55 kW	25–30 t/h	3.70 × 2.55 × 2.60 m
YHY850	ZQ850	1:31.5	Φ850 × 380 mm	10–15 r/min	55–75 kW	35–40 t/h	3.90 × 2.60 × 2.70 m
YHY1000	ZQ1000	1:31.5	Φ1000 × 530 mm	10–13 r/min	110–132 kW	40–45 t/h	4.00 × 2.80 × 2.80 m



Feed Properties



Stable Required Output



Briquette Size and Shape



Binder Route

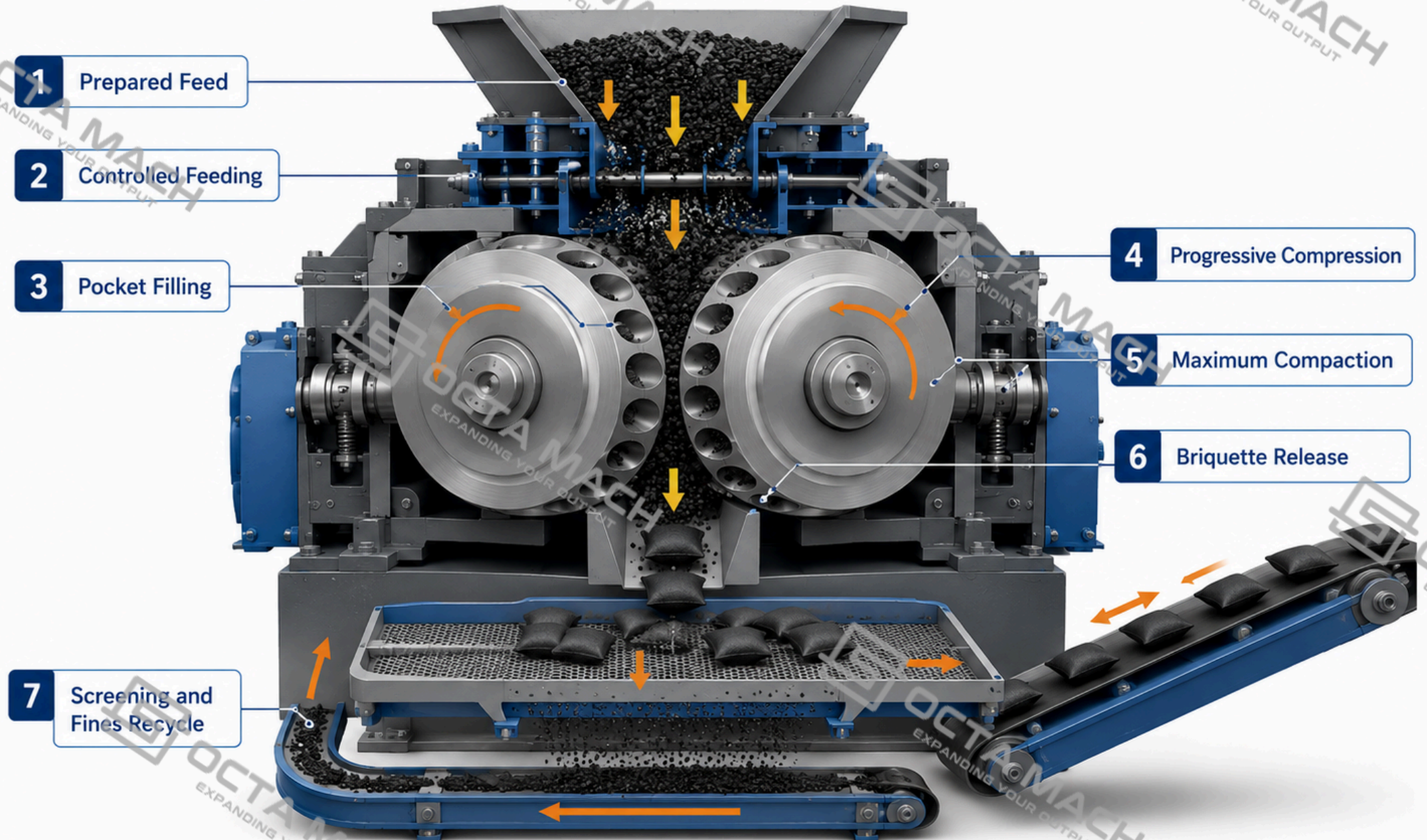


Downstream Duty

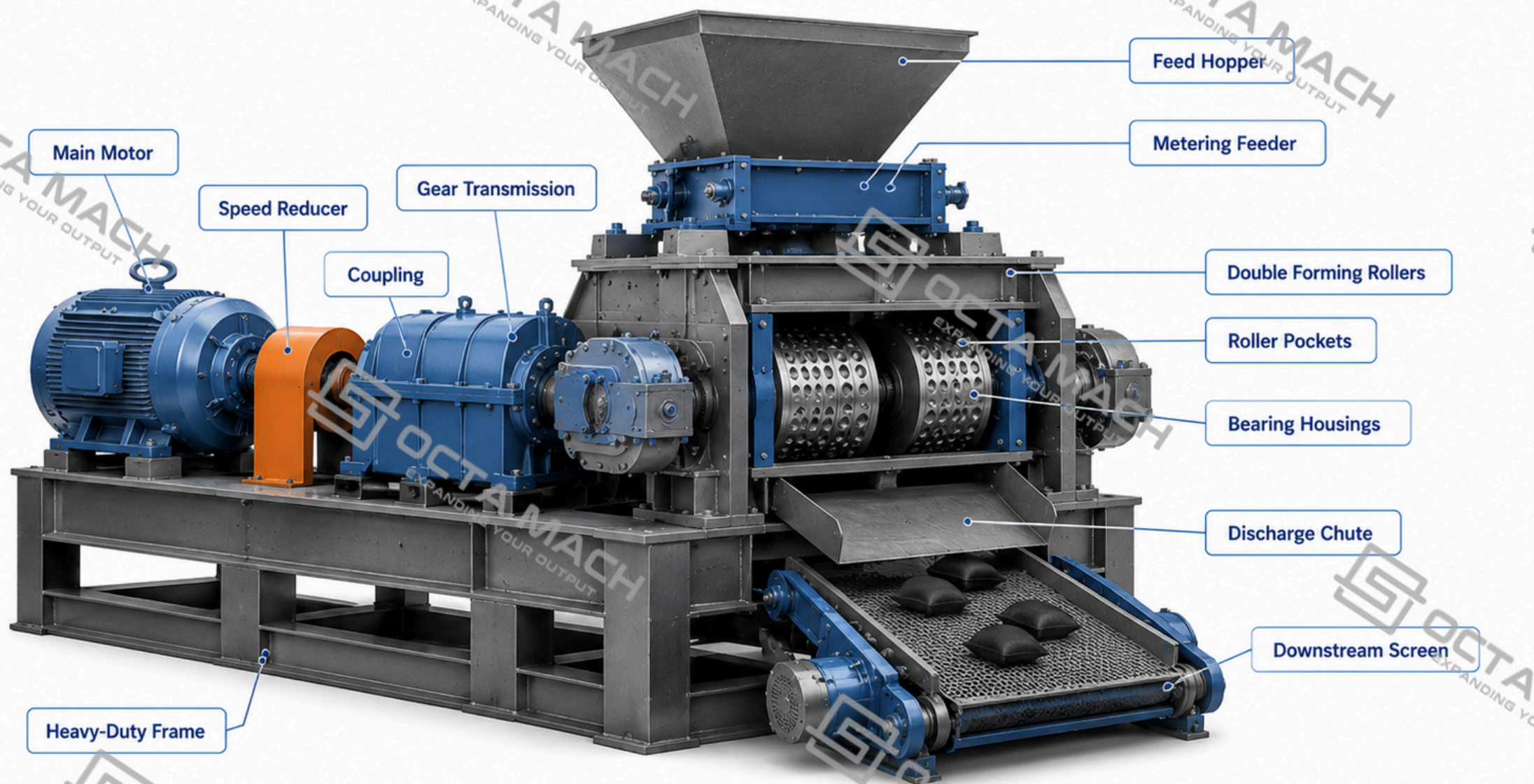


Catalogue values are for preliminary comparison. Final machine configuration and recorded output depend on representative feed testing and the project-specific technical agreement.

How Double-Roller Briquetting Works



Main Machine Structure



Feed



Form



Drive



Support



Discharge and Screen

Feed Materials and Application Boundaries

Prepared Feed



Screened Coal Fines



Coal Dust



Coking-Coal Fines



Coke Fines



Uniform Coal-Based Prepared Blend

Representative Test Required



Lignite Fines



Anthracite Fines



Dewatered Coal Slime



Coal Gangue Powder



Mixed Carbonaceous Residues

Not Suitable for Direct Feeding



Run-of-Mine Coal Lumps



Oversize Coke



Unstable Wet Sludge



Tramp Metal



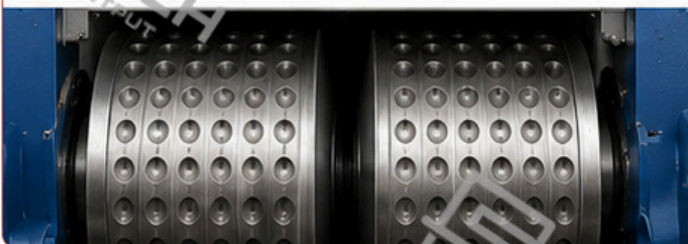
Foreign Contamination



Feed suitability shall be confirmed from particle size, moisture stability, contamination, binder route and representative testing.

Binder, Moisture and Briquette Quality

Too Dry



Stable Conditioned Feed



Too Wet



Particle-Size Control



Binder Compatibility



Controlled Dosage



Stable Moisture



Uniform Mixing



Pocket Filling



Low-Drop Handling



Weak Briquette



Surface Cracking



Roller Sticking



Deformation



Lamination

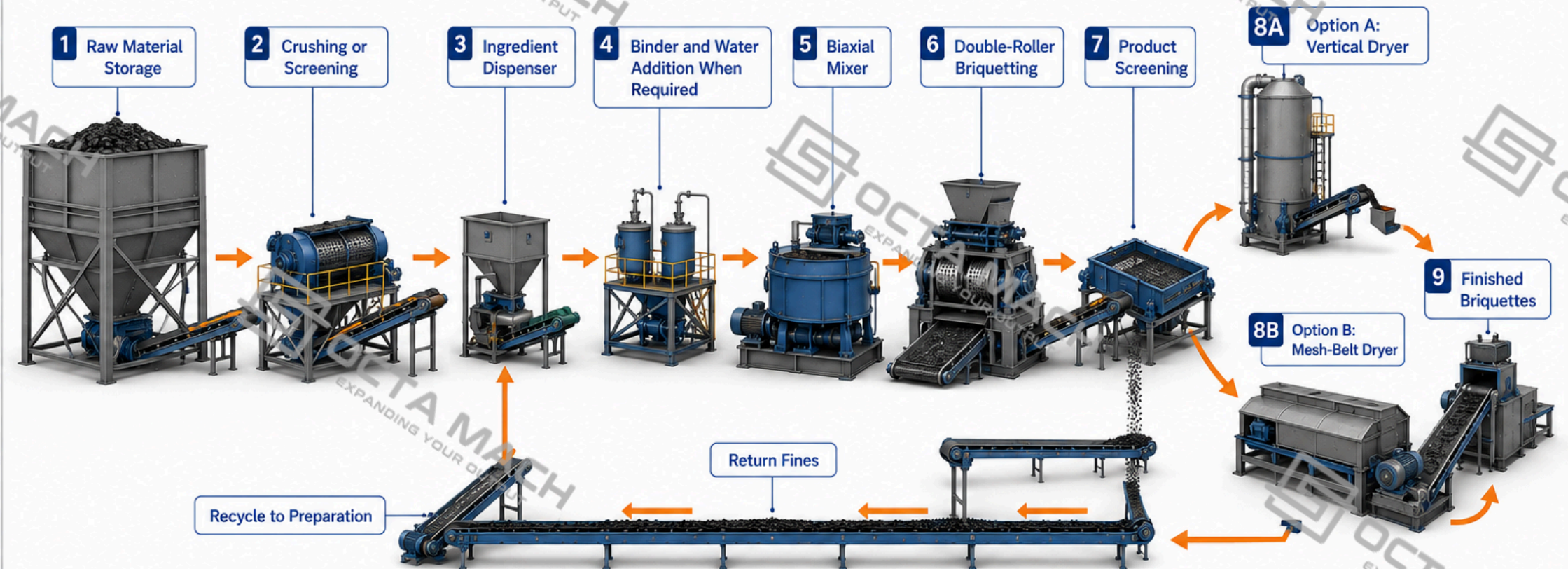


Excess Fines



Binder type, dosage and feed-moisture range shall be confirmed using representative coal samples.

Coal Briquette Production Line



Pillow Briquettes



Oval Briquettes



Round Briquettes



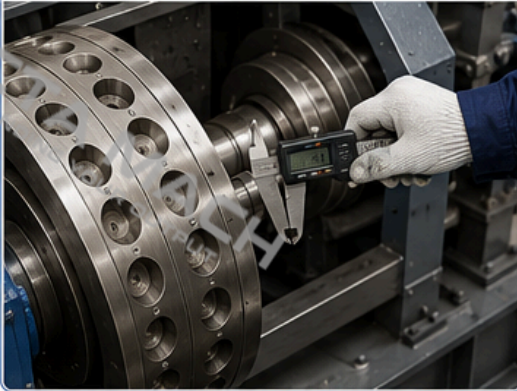
Rectangular Briquettes



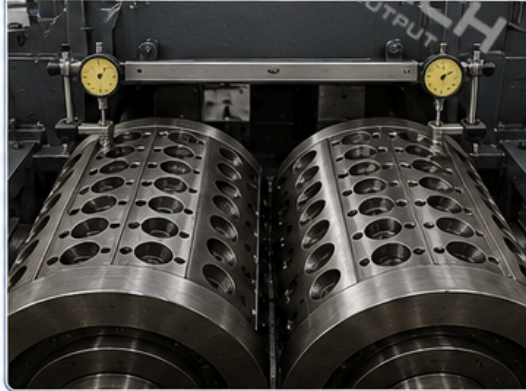
Shape depends on the confirmed roller-pocket design.

Inspection, Testing and Delivery Traceability

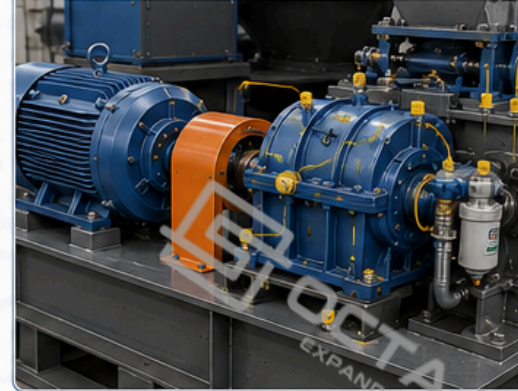
1 Dimensional Inspection



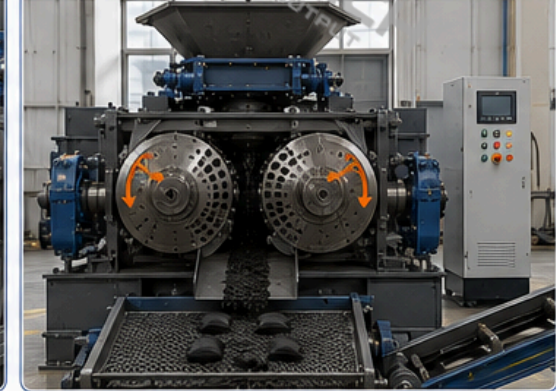
2 Roller Alignment



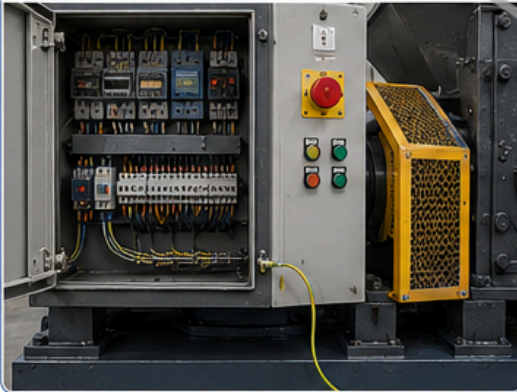
3 Drive and Lubrication Check



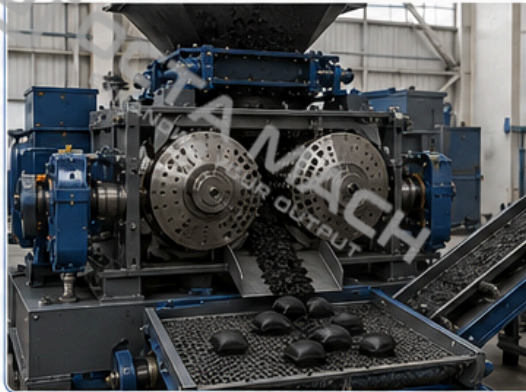
4 No-Load Test



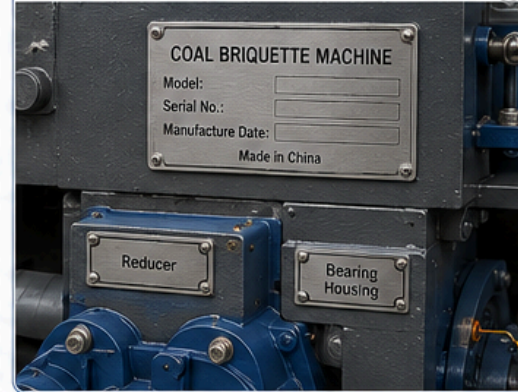
5 Electrical and Safety Check



6 Loaded Test When Specified



7 Equipment Marking



8 Packing and Documents



Inspection
Record



Equipment
Marking



Component
Nameplates



Spare-Parts
List



Packing
Documents



No-load testing verifies mechanical readiness.



Loaded-test results apply only to the recorded material and operating settings.