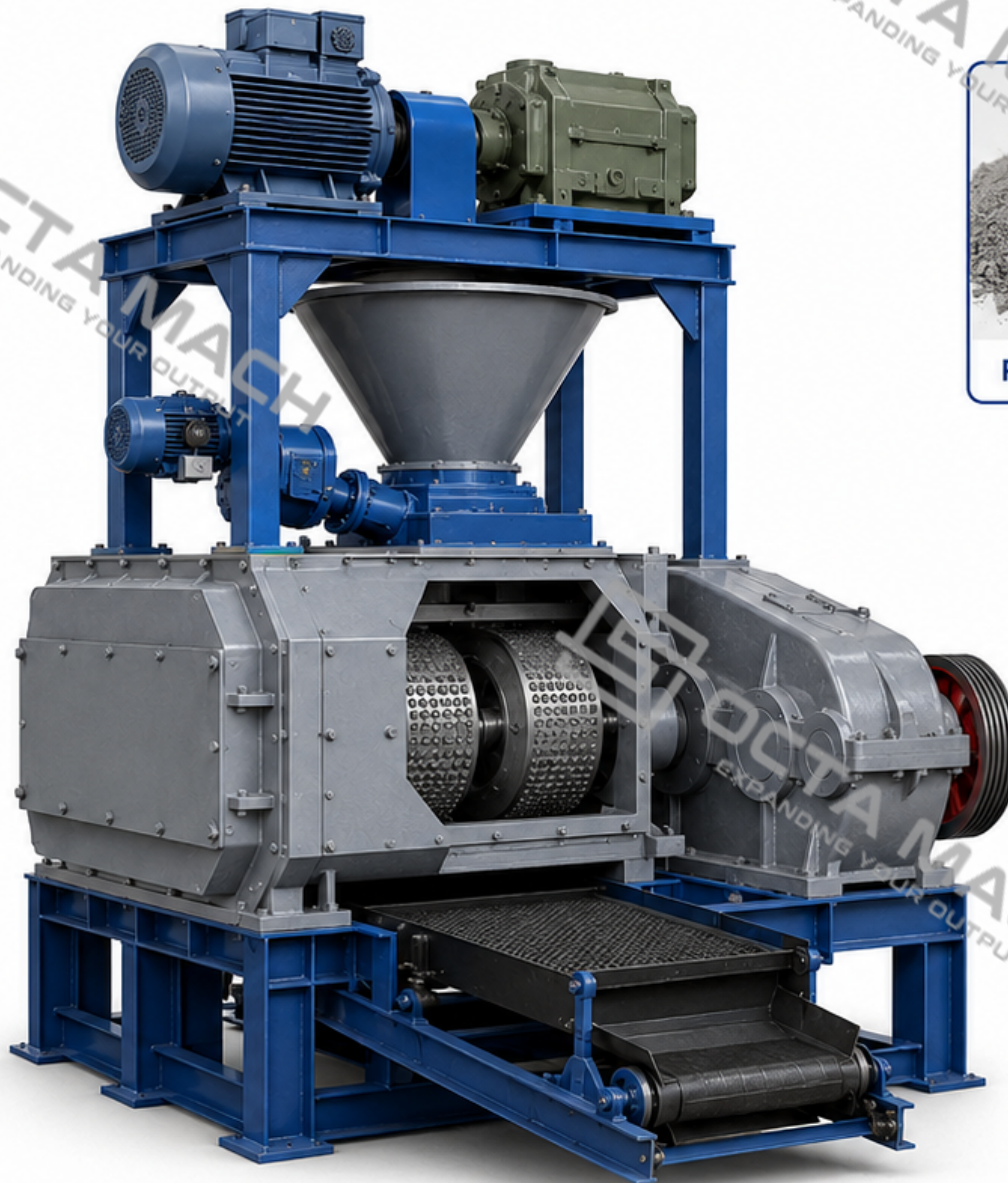
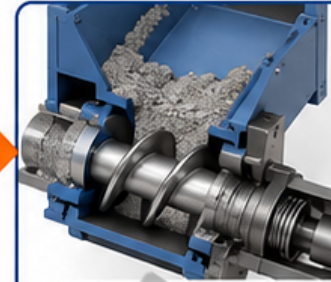


High Pressure Dry Powder Briquette Machine

HY Series | Screw Pre-Compaction and Double-Roller Forming



Prepared Dry Powder



Screw Pre-Compaction



Individual Briquettes



HY0.5-HY10



0.5–10 t/h
Catalogue Range



Matched
Roller Pockets



Project-Specific
Final Configuration



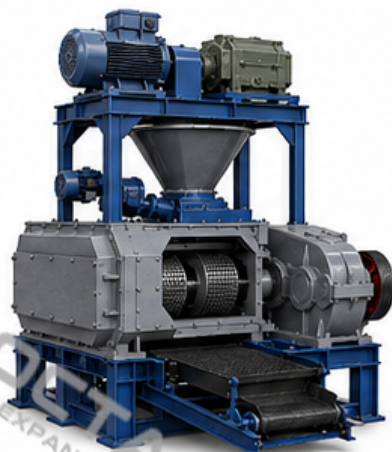
Prepared powder feed is required. Untreated mineral lumps must be crushed, ground and screened before briquetting.

HY Series Technical Parameters

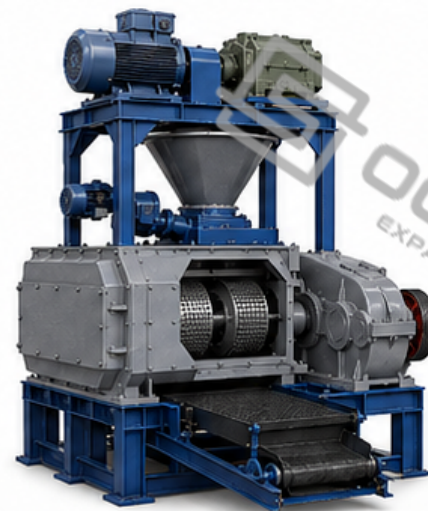
Confirmed Catalogue Values for Preliminary Comparison



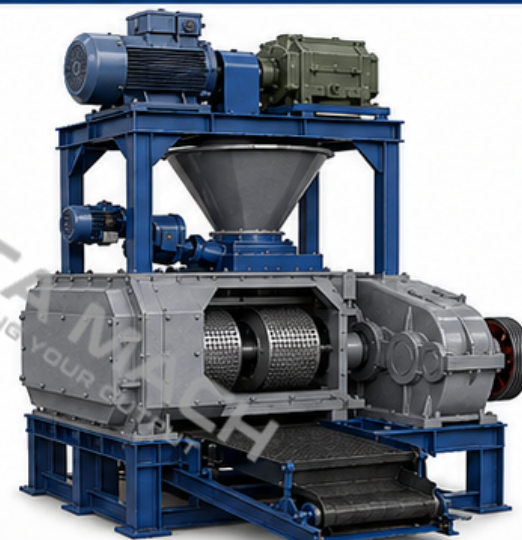
Compact



Small



Medium



Larger

Model	Roller Diameter	Roller Width	Capacity	Main Motor Model	Main Motor Power	Auxiliary Motor Model	Auxiliary Motor Power
HY0.5	Φ299 mm	180 mm	0.5 t/h	Y180M-4	18.5 kW	YCT225-4A	11 kW
HY1.0	Φ367 mm	183 mm	1 t/h	YCT315-4A	37 kW	YCT225-4A	11 kW
HY1.5	Φ368 mm	183 mm	1.5 t/h	Y250M-6	37 kW	YCT225-4A	11 kW
HY2.0	Φ399 mm	232 mm	2 t/h	BY67315-413	45 kW	YCT225-4A	15 kW
HY3.0	Φ522 mm	196 mm	3 t/h	Y280S-6	55 kW	YCT225-4B	15 kW
HY5.0	Φ700 mm	210 mm	5 t/h	Y315M-6	90 kW	YCT250-4A	18.5 kW
HY6.0	Φ738 mm	225 mm	6 t/h	Y280S-4	90 kW	YCT250-4A	18.5 kW
HY8.0	Φ758 mm	225 mm	8 t/h	Y315S-4	110 kW	YCT250-4A	18.5 kW
HY10	Φ858 mm	300 mm	10 t/h	Y315M2-6	110 kW	YCT250-4B	22 kW

Catalogue values are for preliminary comparison. Final motor configuration, feeder arrangement, roller-pocket profile and recorded output shall be confirmed in the project-specific technical agreement.

Preliminary Machine Selection

Material Behaviour and Product Requirements Come Before Catalogue Capacity

Feed Properties



Chemical Composition



Particle-Size Distribution



Moisture Stability



Bulk Density



Flowability



Entrained Air



Abrasiveness



Binder Route

Product Requirements



Briquette Shape



Briquette Dimensions



Green Strength



Final Strength



Acceptable Fines



Storage and Transport



Downstream Duty

Production Conditions



Stable Required Output



Operating Hours



Upstream Feeding



Screening



Fines Recycle



Power Supply



Installation Space



Representative
Material Testing



Confirmed
Process Window



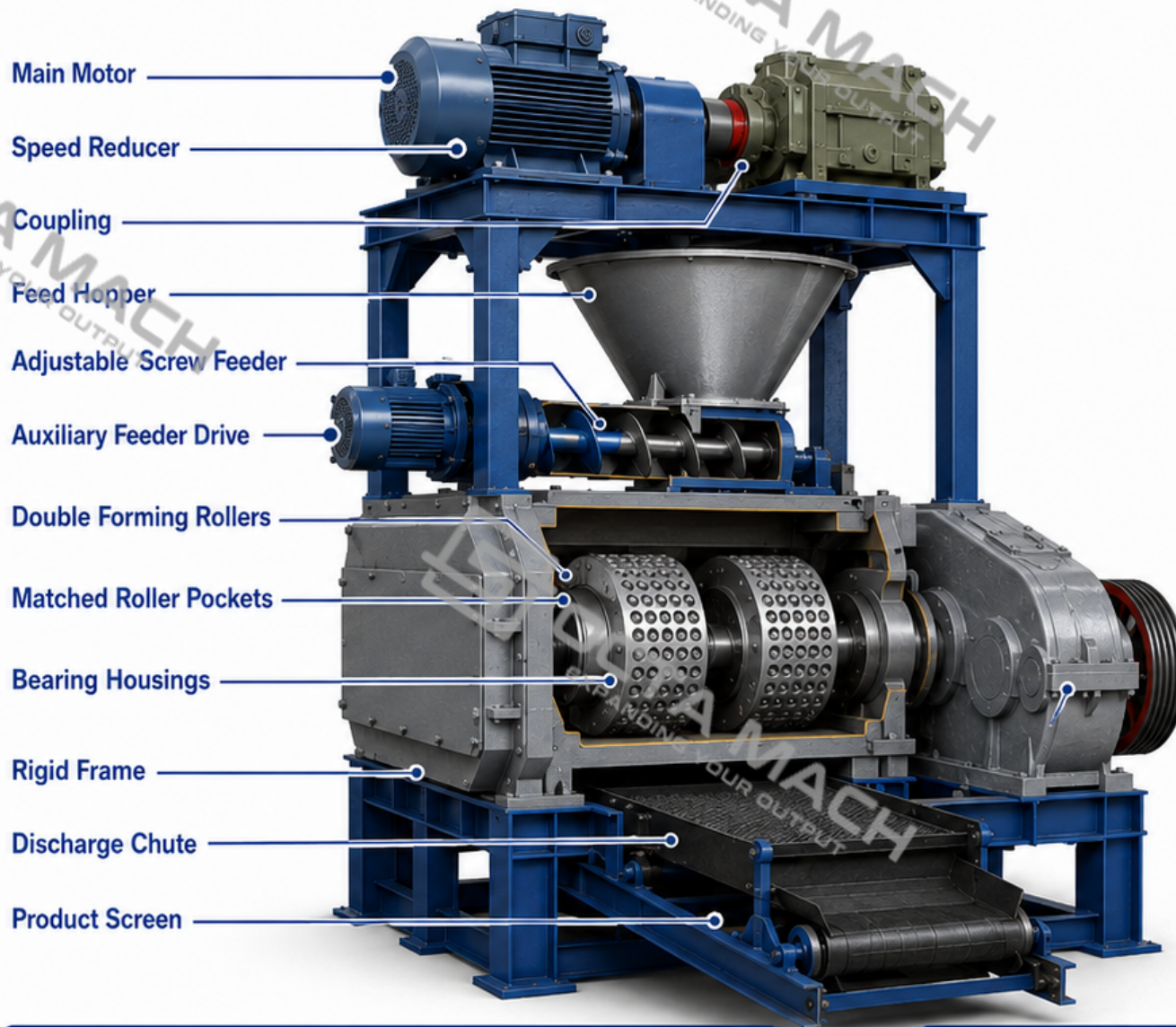
Final Machine
Configuration



Catalogue capacity alone is not a sufficient basis for final model selection.

Machine Structure and Configuration Boundaries

HY Series | Screw Pre-Compaction and Double-Roller Forming



Catalogue-Confirmed

- ✓ HY0.5–HY10
- ✓ Roller Diameter
- ✓ Roller Width
- ✓ Motor Models and Power
- ✓ Catalogue Capacity

Project-Specific Confirmation

- ✓ Feeder Arrangement
- ✓ Roller-Pocket Profile
- ✓ Briquette Shape and Size
- ✓ Material Test Conditions
- ✓ Stable Recorded Output
- ✓ Screening and Recycle Scope
- ✓ Installation Interface



Unconfirmed materials, pressure values, moisture ranges and binder dosages shall not be treated as universal machine specifications.