Mechanical Briquetting Presses

BriqTech series BT-065-500 • BT-070-800Max
BT-080-900Max • BT-090-1000Max

BriqTech mechanical crank-and-piston presses turn sawdust, wood waste and agricultural residues into dense, uniform biomass briquettes. A heavy flywheel stores and releases kinetic energy for each pressing stroke, and the material is compacted in a heated chamber **without any binders or additives** – the result is a 100 % natural solid fuel with a higher calorific value and efficiency than firewood. The presses are built for continuous, high-volume industrial operation with low energy consumption and are controlled by a PLC/HMI panel with inverter (Industry 4.0).

Models and prices

Model	Capacity*	Briquette Ø	Installed power	Net price (EUR, excl. VAT)
BT-065-500	400–600 kg/h	65–70 mm	35 kW	**€ 67.250**
BT-070-800Max	600–900 kg/h	70–75 mm	60 kW	**€ 90.750**
BT-080-900Max	900–1,200 kg/h	80–85 mm	70 kW	**€ 143.550**
BT-090-1000Max	up to 1,500 kg/h	90–95 mm	85 kW	**€ 173.250**

* Capacity depends on the type, moisture and particle size of the raw material.

Accepted raw materials

Wood waste	**Agricultural residues**	**Other**
Sawdust, shavings, wood chips, MDF and chipboard (PAL) dust	Cereal straw, alfalfa, rapeseed, soy, sunflower husks, corn stalks, walnut-shell sawdust and other lignin-rich biomass	Peat, RDF (refuse-derived fuel)

Raw material requirements: moisture 12–16 %, particle size 3–8 mm.

Warranty – up to 5 years

- **24 months** manufacturer's warranty.
- **+36 months** extended warranty from Agro Bio Brichet Energy Solutions as authorized dealer, conditional on periodic servicing and the use of original spare parts.

The models

BT-065-500



Capacity*	**400–600 kg/h**
Briquette Ø	**65–70 mm**
Main motor / total power	**30 kW / 35 kW**
Machine weight	**2,500 kg**

Net price: **€ 67.250** excl. VAT

BT-070-800Max



Capacity*	**600–900 kg/h**
Briquette Ø	**70–75 mm**
Main motor / total power	**45 kW / 60 kW**
Machine weight	**4,200 kg**

Net price: **€ 90.750** excl. VAT

BT-080-900Max



Representative image - BriqTech Max series

Capacity*	**900–1,200 kg/h**
Briquette Ø	**80–85 mm**
Main motor / total power	**55 kW / 70 kW**
Machine weight	**5,500 kg**

Net price: **€ 143.550** excl. VAT

BT-090-1000Max



Representative image - BriqTech Max series

Capacity*	**up to 1,500 kg/h**
Briquette Ø	**90–95 mm**
Main motor / total power	**75 kW / 85 kW**
Machine weight	**7,500 kg**

Net price: **€ 173.250** excl. VAT

* Capacity depends on the type, moisture and particle size of the raw material.

Technical specifications

Parameter	BT-065-500	BT-070-800Max	BT-080-900Max	BT-090-1000Max
BRIQUETTE OUTPUT				
Capacity*	**400–600 kg/h**	**600–900 kg/h**	**900–1,200 kg/h**	**up to 1,500 kg/h**
Briquette diameter	65–70 mm	70–75 mm (80 mm for straw, optional set)	80–85 mm	90–95 mm
Briquette length	100–300 mm	100–300 mm	100–300 mm	100–300 mm
Briquette density	1,100–1,450 kg/m³	1,100–1,450 kg/m³	1,100–1,450 kg/m³	1,100–1,450 kg/m³
RAW MATERIAL				
Moisture content	12–16 %	12–16 %	12–16 %	12–16 %
Particle size	3–8 mm	3–8 mm	3–8 mm	3–8 mm
ELECTRICAL				
Main press motor	30 kW	45 kW	55 kW	75 kW
Feed motor	1 × 2.2 kW	3 kW	3 kW	3 kW
Dosing motor(s)	1 × 2.2 kW	2 × 3 kW	2 × 3 kW	2 × 3 kW
Hopper homogenizer motor	3 kW	3 kW	3 kW	3 kW
Total installed power	**35 kW**	**60 kW**	**70 kW**	**85 kW**
Power supply	3-phase 400 V, 50 Hz; control 24 V / 230 V (±5 %)			
DIMENSIONS & WEIGHT				
Dimensions (L × W × H)	2,960 × 910 × 1,940 mm	3,300 × 1,550 × 3,200 mm	4,780 × 1,670 × 3,245 mm	4,780 × 1,670 × 3,245 mm
Machine weight	2,500 kg	4,200 kg	5,500 kg	7,500 kg
STANDARD SUPPLY				
Briquette cooling line	7 m (+3 m optional)	10 m (+5 m optional)	15 m	15 m
Homogenization hopper	3 m³	3 m³ (5 m³ optional)	3 m³ (5 m³ optional)	3 m³ (5 m³ optional)
3-phase power cable	6 m	10 m	10 m	10 m
PRICE				
Net price, EUR (excl. VAT)	**€ 67.250**	**€ 90.750**	**€ 143.550**	**€ 173.250**

* Capacity depends on the type, moisture and particle size of the raw material. Technical data as published by the manufacturer; subject to change without notice.

Standard equipment (all models)

- Mechanical crank-and-piston press with flywheel drive
- Oil cooling system (radiator and fan) and oil heating
- Cooling of the briquetting head to keep a constant working temperature
- Pre-heating and in-operation heating of the conical bushing (BT-070-800Max, BT-080-900Max, BT-090-900Max)
- Automatic hydraulic clamping of the briquetting head
- Briquette cooling line (7 m / 10 m / 15 m depending on model)
- 3 m^3 raw material homogenization hopper with screw conveyor to the press
- Electrical control panel with PLC, HMI touch panel and inverter, plus 3-phase power cable

Optional equipment

- Automation package: automatic heating, start-up and operating modes
- Dust extractor under the briquetting head
- Consumables set in special steel (bushing, piston, conical bushing) – matched to the raw material
- Larger 5 m^3 hopper (BT-070-800Max and up) and hopper overload level sensor
- Extension of the briquette cooling line (BT-065-500: +3 m; BT-070-800Max: +5 m)
- Automatic length cutter for briquettes
- Semi-automatic shrink-film packaging machine with heat tunnel
- Reactive power compensation panel, 6 capacitor steps, cos φ 0.99
- 12 mm pellet set for raw material with 20–35 % moisture (BT-065-500)

Maintenance

- Full service: approx. 4 hours every 1,000 operating hours
- Replacement of wear parts (consumables): approx. 1 hour
- Service life of consumables: min. 500 operating hours under optimal conditions

Commercial terms

- All prices are **net prices in EUR, excluding VAT**, per press with the standard equipment listed above.
- Optional equipment, transport, installation and commissioning are quoted separately on request.
- Delivery time and offer validity: on request.

Agro Bio Brichet Energy Solutions
Complete solutions for briquetting, pelletizing, granulation, drying and biomass processing

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