

B30 Automatic Briquette Machine

Manufacturing Automation & Resource Efficiency

Supporting documentation for the Made Smarter Technology Providers Directory and customer funding applications.

Turn suitable residues into value

The B30 combines programmable pressing cycles, automatic feeding agitation and hydraulic compaction to convert suitable manufacturing residues into dense briquettes. [1, 2]

For joinery, furniture manufacture, timber processing and other operations generating suitable dry, free-flowing residues.



Up to 30 kg/h Indicative output*	58 mm Briquette diameter	800 litres Hopper capacity
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Automated processing with programmable control

Intelligent cycle control	Customisable pressing programmes and adjustable briquette length allow settings to suit material type and bulk density.
Automatic operation	Computer-controlled pressing and two-stage hopper agitation support consistent feeding with limited routine operator intervention.
Process protection	Automatic shutdown, including the main motor, when material runs out; self-diagnostics stop the press on detected faults. Motor overload protection is included.

Resource efficiency in practice

Compaction reduces the volume of loose residues and creates a usable or potentially saleable product. Actual storage, handling and commercial benefits depend on the feedstock, site process and intended end use. [1]

*Output depends on material properties; see technical qualification on page 2.

Manufacturing challenges addressed

Material pre/post-processing	Compacts suitable residues after manufacturing, preparing them for storage, handling or an appropriate downstream use.
Material/product processing	Converts sawdust, shavings and suitable biomass or fibrous residues into dense, shaped briquettes.
Process control & optimisation	Programmable cycles, adjustable length and automatic agitation support repeatable processing; shutdown and diagnostics manage interruptions.

Infrastructure fit: An 800-litre hopper and optional dust-extraction connection support incorporation into residue-handling operations. Feed preparation, loading and downstream handling remain site-specific. [1, 2]

Key technical specifications

Output*	Up to 30 kg/h
Briquette dimensions	58 mm diameter; 30-70 mm adjustable length
Briquette density	Approx. 900-1000 kg/m³
Input moisture	Typically 6-15%; up to 20% depending on material
Maximum input size	Up to 30 mm; described as up to 3 × 3 cm
Hopper capacity	800 litres
Power / connection	3 kW motor; stated consumption 1.8 kW; 32 A plug
Size / weight	130 × 120 × 130 cm (W × D × H); 350 kg

*Supplier figures are indicative and may vary by up to ±30%, depending on bulk density and flow properties. Power consumption is a stated power value, not a measured energy-per-tonne result. Specifications: [1, pp. 2-4; 2].

Evidence for a customer project

Establish a baseline and verify results with representative material: residue mass and loose volume; achieved kg/h; metered kWh per tonne; operator handling time; storage space; and avoided disposal cost or net product value. These are project measures, not guaranteed B30 outcomes.

Confirm feedstock and intended use

Processing capability does not establish suitability for fuel use or sale. Confirm material composition, moisture, product quality and intended outlet with MAEDEV; use or resale depends on material type and applicable requirements. [1, pp. 2, 5]

Sources & scope

[1] MAEDEV, INFO-pack-B30-Briquette-Machine.pdf, pp. 1-5 (supplied, undated).
[2] MAEDEV B30 product webpage, checked 11 September 2026. Supplier-stated capabilities.
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