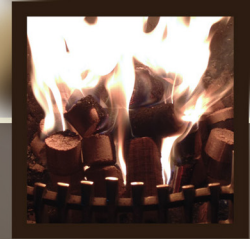
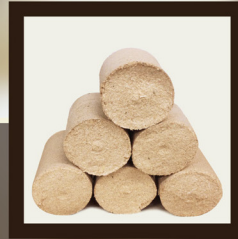


# TURN WASTE INTO VALUE

WASTE

TRANSFORMED

INTO ENERGY



## A-TYPE-25 Briquette Machine

*A-TYPE 25 briquette machine is suitable for small and medium sized workshops. It is a new, small, cheap briquetter with low power consumption.*



*Sawdust Briquette*



*Wood Shavings /  
Sawdust Mixture*



*Shredded Straw  
Briquette*



*Shredded Paper  
Briquette*



*Pine  
Briquette*



*Mahogany  
Briquette*



*MDF  
Briquette*



*Cardboard  
Briquette*

**MAE Development**

W W W . M A E D E V . C O M



# A-TYPE-25 Briquette Machine

Our goal was to design a press with utilization of new technical solutions which would not decrease its quality and properties, but would substantially reduce its price while keeping low consumption of electric power.

## New technical solutions

Simple control, low consumption - The press is controlled by only one switch. Programmable control system developed exclusively for this press ensures all necessary automatic functions and enables unattended operation. The press stops automatically when the material is replaced from the hopper. The machine is driven by a hydraulic unit with 2.2 kW electric motor.

Unique design of the press bottom - Stepped design of the bottom of the press hopper ensures optimal supply of material to the shaft of the pressing chamber feeder from two sides and perfect emptying of the chamber. Square hopper of the volume of 0.6 m<sup>3</sup> has one mechanically driven extracting cutter with five arms. The falling material has enough time and space to get into the trough with the help of the extracting cutter with a defined feed.

Pressing against fixed barrier - The pressing chamber has a cylindrical shape, and is closed by a solid barrier from one side. Each briquette is pressed by maximum possible force of the press. The output of the press depends on specific weight of the material. Briquettes fall from the pressing chamber in the prepared bag.

Working environment - A-TYPE 25 cannot be connected to an exhaust system, and cannot be installed outdoors. In case that the hopper would be connected to a pressure system, the material could be unpleasantly blown from the pressing chamber, which is opened during one step of the working cycle. With open hopper this danger is minimized.

Materials for pressing without binders - The pressed material should meet the following conditions: moisture 8 to 15 %, dimensions smaller than 15 mm, and bulk density at least 70 kg/m<sup>3</sup>

- Sawdust
- Shavings
- Paper

Briquette properties - The briquettes have a shape of a cylinder of diameter 62 mm, length 20 to 30 mm, heating value of 15 to 18 MJ/kg. They can be combusted in all types of stoves, boilers and incinerators for combustion of solid fuels. Their high heating value is better used in gasifying boilers. The volume of waste is decreased eight times by briquetting, and so waste transport and storage are cheaper. Big benefit of the briquetting presses is utilization of wastes and reduction of dust in plants.

## Standard equipment

- Press hopper volume 0.6 m<sup>3</sup>

## Main advantages

- Favourable price
- Low power consumption
- High-quality workmanship based on standardized components
- Simple installation
- Small dimensions
- Easy operation



# A-TYPE-25 Briquette Machine

## Technical parameters

Model	Diameter of briquette	Capacity kg/h	Power input [kW]	Weight [kg]
A-TYPE-25	62 mm	up to 30	2,4	385

Technical and operating conditions	
Permissible moisture of input material	8-15 hm%
Specific weight of the pressed briquette	700 – 1100 kg/m <sup>3</sup>
Maximum operating pressure	180 bar (18 MPa)
Maximum operating temperature	60 °C
Machine working environment	+5 – +35 °C

General technical parameters	
Supply voltage	400 V
Control voltage	24 V
Electrical element protection	IP54
Machine noise level	75 dB
Operating time of the press	1 shift – limited by oil temperature

## Dimensions of the machine

Hopper capacity	Length	Width	Height	Hopper	Noise Level
0,6 m <sup>3</sup>	1395	1060	1140	1000	75 dB

Wooden Briquettes are a 100% renewable biomass fuel suitable for open fires, wood burners, multifuel stoves, Rayburn and Aga stoves, Wood Burning Heaters and Hot Water Boilers for your home your Workplace or Business Workshops, they can also be used on Chimneys, BBQ's or open camp fires.

Wooden Briquette Logs are carbon neutral to the atmosphere so they do not contribute to global warming whatsoever making them an environmentally friendly fuel source. The briquettes are made from compressed sawdust and wood shavings. There are no additives or binders used during the production process, it is the lignin in the wood and the extreme pressure in production that makes a natural binder, making wooden briquettes which are Clean And Green.

Wooden Briquettes also have the advantage that they are clean to handle and store and produce a nice golden flame with a golden glow with lots of heat. The ash can even be used on the garden as manure once burned.

Wooden briquettes do not spit and spark unlike conventional logs so are much safer to use as a fuel for open fires.