

Briquetting Solutions

BP3200, BP4000 & BP5000 presses



This is our group of medium to large briquette presses designed for customers with an annual production demand of 1000 to 7000 tons of industrial briquettes.

They are well suited for the production of briquettes from dust like MDF, any kind of dry wood waste and other biomass products.

Strong and reliable machines

They are strong and reliable mechanical presses designed for automatic 3-shift operation. All vital parts are integrated in the strong machine frame and protective housing.

The BP4000 and BP5000 models are furthermore fixed to a heavy, steel reinforced concrete block and the flywheel is well balanced to reduce vibration- and noise level for smooth operation.

We have reduced the friction and increased the working efficiency considerably by using roller bearings in all rotating parts.

Control systems with PLC

They come with Siemens PLC for automatic operation and the functional **BBCS**, Basic Briquetting Control System including a 5.7" multi-color monitor with user-friendly touch screen operation.

It is possible to monitor, operate or search for failures and even to reprogram the PLC-function via an internet connection.

Automatic operation

The automatic version presses are suitable for companies with limited silo capacity. The advanced control system will start up the press, based on signals from level sensors in the silo and it will automatically stop the press again just before the silo is empty.

Piston and die system

A simple and efficient piston and die system guarantees a perfect quality of the briquettes under all circumstances. A die cooling system is also available and recommended if the press has to be used for pressing abrasive materials or for production of consumer briquettes.

Besides briquetting presses, we produce other machines and equipment for waste extraction, dosing, sawing and packaging.

We cooperate with suppliers of shredders, drying equipment and other machinery and equipment for turnkey solutions.

Basics for press selection

- Type of waste - wood, agricultural, MDF, dust or other biomass
- Amount of waste
- Required diameter of the briquettes
- Requirements and utilization for the briquettes

The specification below will guide you to select the right briquetting press for your needs.

Specifications	BP 3200 automatic	BP 4000 automatic	BP 5000 automatic
Briquette size - nominal	Ø60 mm	Ø60 mm	Ø75 mm
For annual production	1000 - 3000 tons	2000 - 4000 tons	4000 - 7000 tons
Main motor - man./automatic	18.5 / 22 kW	30 kW	37 / 45 kW
Capacity range - Industrial	400 - 600 kg/hour*	600 - 750 kg/hour*	900 - 1200 kg/hour*
Capacity range - Consumer	data on request	500 - 650 kg/hour*	800 - 1000 kg/hour*
Control system - standard	BBCS	BBCS	BBCS
Dimensions (BxHxL) mm	1225x1150x2285	1350x1350x2850	1350x1360x2850
Weight	app. 3000 kg	app. 3700 kg	app. 4000 kg

*The capacity is depending on the raw material and the type of briquettes being produced.

Please contact us for further information.
Brochures and videos are available at our website www.cfnielsen.com



BP 3200 with dosing silo



Two BP 5000 in silo