Mechanical Briquetting Presses

BP7010/7010 HD & BP7510/7510 HD

Technical specifications

C.F. Nielsen A/S
a member of
RUF BRIQUETTING SYSTEMS

World's largest briquetting presses

Our largest briquetting presses are supplied in 4 different models, respectively BP7010/ BP7010HD, BP7510/BP7510HD. They are able to produce briquette diameters from 90-120 mm as well as square briquettes up to 90x90 mm.

Due to the strong main motors and large double in- feed systems the presses are able to generate very high densities and capacities, even with low weight raw materials.

Strong and reliable machines

They are all based on our latest briquetting technology combined with a modern design. The presses are very heavy built with sturdy housings made of high tensile steel and fixed on heavy steel reinforced concrete foundation, which secures a quiet and safe operation with extremely low vibration level.

All vital parts of the press including the two heavy flywheels are integrated in the strong steel housing and the protective fiber glass casings. The modern design gives the press a sleek look and at the same time, makes it easy to clean.

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.

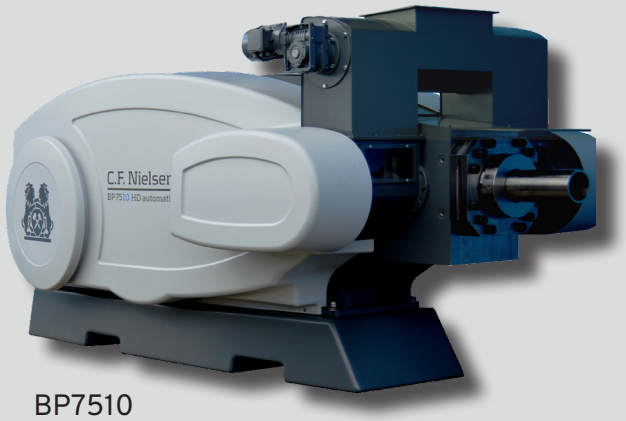
To choose the right press we need to know:

- 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 on the right will guide you to select the right briquetting press for your needs.

Specifications	BP 7010 /7010 HD	BP 7510/ 7510 HD
Briquette Sizes	Ø90 / Ø100 / sq. 85 x 85 mm	Ø90 / Ø100 / Ø110 / Ø120 / sq. 85 x 85 / 90 x 90 mm
Main Motor	75 / 90 kW	110 / 132 kW
Capacity Range - Industrial	1500 - 2500 kg/h	2000 - 3500 kg/h
Capacity Range - Comsumer	1300 - 1700 kg/h	1400 - 2600 kg/h
Weight	App. 8000 kg	App. 9000 kg
Dimensions L x W x H (m)	3,9 x 2,1 x 1,8	3,9 x 2,1 x 1,8
Control Sytems - Standard	BBCS	BBCS

*Capacities are estimates, depending on many factors such as the raw materials bulk density, particle size and moisture content as well as the density requirements for the briquettes.



BP7510



Wheat straw



Softwood w/hole

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