



Grinding and briquetting technology

GP Series:  
Genius I  
Genius II  
Genius III

## GP Genius briquetting presses

The technology of the big ones  
for the price of the small ones



# GP Genius briquetting presses



## The technology of the big ones for the price of the small ones

The Genius series was specifically developed for briquetting low-density materials such as light wood shavings and loose paper scraps. But the spiral pressure charger also yields high performance with other materials. All models are delivered complete with hydraulic oil and safety switch for oil temperature. Throughput performance depends on material.

PLC option for fully automatically controlled operation and special equipment available upon request. Demonstrations and trials may be coordinated with our technical staff.

Although it is low-priced, the Genius series provides high-performance technology and is an economical solution especially for smaller companies.



Hydraulics



Drive motors

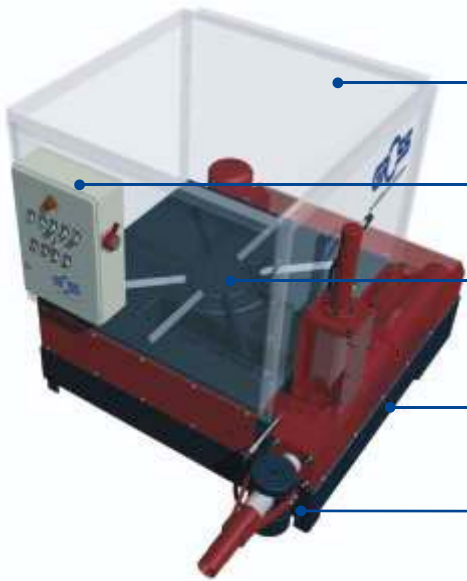


Filling with fill pusher



Filling with spiral conveyor

## Functional description



Individually adjustable feed container, high stability through compact design

Easily accessible control with operating elements for manual control, briquette length, etc.

Continuous feed of material through dosing device and spiral conveyor

Hydraulically controlled string control for constant briquette strength, even with material changes

Press chamber with 2 compressors, sensors monitor all parameters required for optimal compression

Material is fed into the hopper (holds about 1 m<sup>3</sup>) manually or with a filtering installation. The agitator continuously fills the channel of the spiral output. The conveyor then transports the material to the pre-compressor. A hydraulic fill pusher then pushes the material into the actual press chamber. The pressing tongs that are also hydraulically controlled, compress

the material in connection with a specially hardened press cylinder and provide excellent briquette quality. Compression is performed without binding agents, whereby the maximum material moisture should not exceed 18 %. The performance of Genius briquetting presses depends on the material and ranges from 30 to 90 kg/h.



Genius with complete PLC



Genius hydraulic and press units

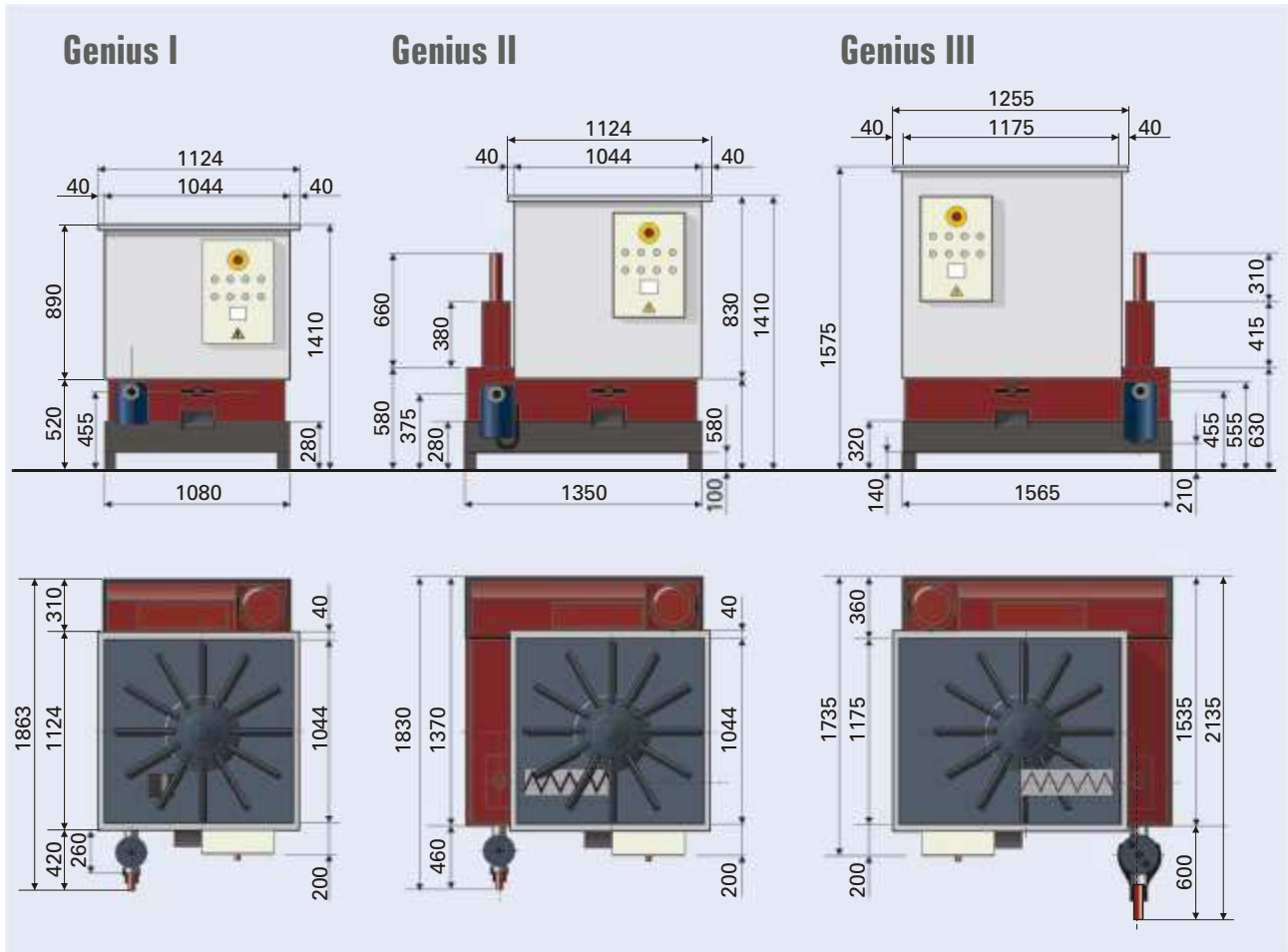


Genius with dust extraction



Genius with sliding floor

# Technical data



	Genius I	Genius II	Genius III
Throughput (approximately, in kg/h)	30 - 50	30 - 60	50 - 90
Briquette diameter (mm)	50	50	70
Hydraulic motor (kW)	5,5	5,5	7,5
Permanent agitator (kW)	0,5	0,5	0,5
Spiral conveyor drive (kW)		0,6	0,6
Oil quantity (approximately, in liter)	100	120	160