

# LP 50 VHF WD Pre-Press Technology Baler



## The friction channel

- Friction channel pressure control within a fixed frame
- The upper friction flap pressure controlled by means of a hydraulic cylinder
- The friction flap pressure level adjustable from the control panel
- Side friction flaps controlled manually by means of adjusting screws

## The main press

- Top and bottom with cam design for better sealing
- The unit is journalled in four heavy-duty wheels guided on wear rails mounted in the bottom press
- Sturdy wear blocks on side and top

## The prepress

- Heavy duty bearings for the pre-press shaft
- Bearings with exchangeable shaft sleeves
- Detection system of the pre-press position during operation to secure a safe interlock of inspection hatches and protection covers

## The chassis

- Bottom plate made of 16 mm Hardox 400 long-life resistant steel
- Exchangable wear rails in the bottom
- Support legs (optional) to eliminate the need of a needle pit

## The hydraulic System

- Main drive motor 22 kW (VH1), 37kW (VH2) and 45 kW (VH3) with a double hydraulic pump system
- Oil level control system
- Oil temperature transmitter - oil temperature indicated on control panel screen
- Oil cooler
- Oil heater (optional)

## The strapping

- Strapping system with fully automatic tying unit for 5 polypropylene strings
- Automatic knotter and string cutting device
- Simple and reliable twisting unit
- The tensile strength of the polypropylene string is comparable to steel wire

## The control system

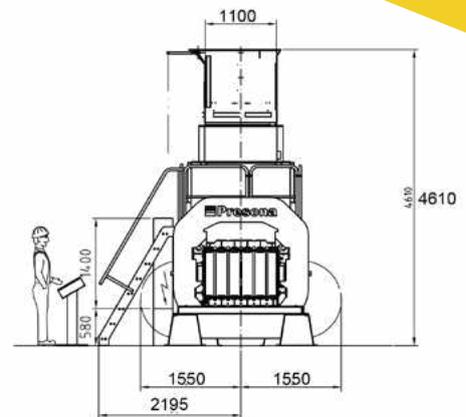
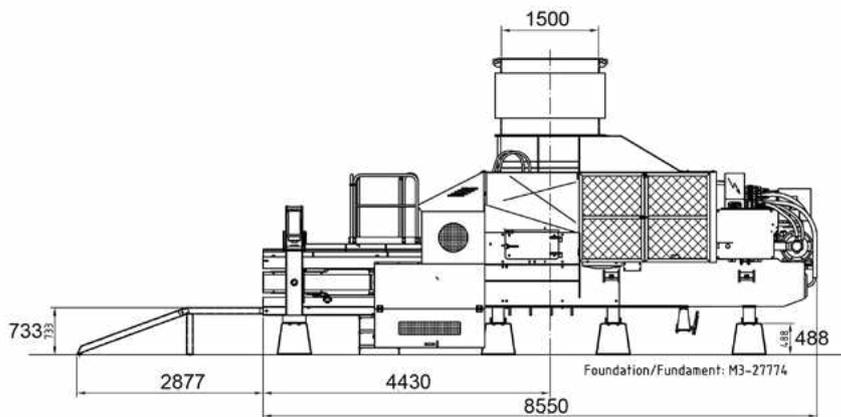
- Siemens PLC
- Quick couplings for quick and safe installation
- A photocell system for baler and conveyor control
- Two photocell levels for maximum control of press cycle when baling materials with different pre-bale densities
- Stronger photocells (optional) for maximum control when baling dusty or greasy material
- GSM modem (optional) for online trouble shooting and software updates

## The WD = Waste Design

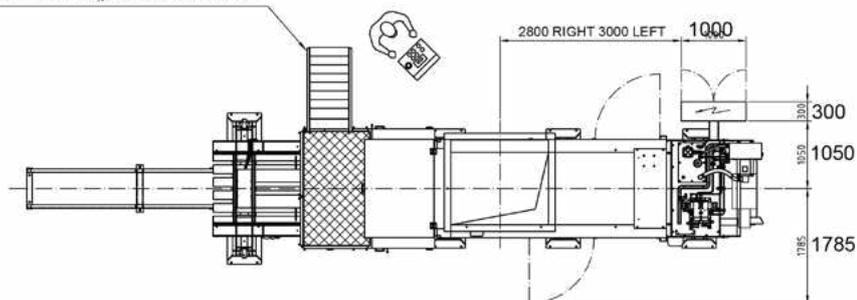
- Exchangeable wear plates in the press chamber and friction channel

# LP 50 VHF General Dimensions

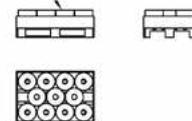
**Presona®**



Ladder can be placed on either side



Pallet with string spools



Subject to alterations / Änderungen vorbehalten

Technical Data		LP 50 VHF1	LP 50 VHF2	LP 50 VHF3
Theoretical volume capacity	m <sup>3</sup> /hour	600	730	830
Max volume capacity	m <sup>3</sup> /hour	260	340	430
Weight capacity*	tonnes/hour	6 - 14	8 - 22	10 - 27
Feed opening L x W	mm	1500 x 1100	1500 x 1100	1500 x 1100
Bale size H x W (Length variable)	mm	720 x 1100	720 x 1100	720 x 1100
Bale weight	Kg/m <sup>3</sup>	400 - 550	400 - 550	400 - 550
No. of vertical strapping strings		5	5	5
Press force pre-press	tonnes	25	25	25
Press force main press	tonnes	50	50	50
Specific pressure	N/cm <sup>2</sup>	63	63	63
Max oil pressure	Bar	250	250	250
Oil tank capacity	Litres	600	600	1000
Electric motor	kW	1 x 22	1 x 37	1 x 45
Oil cooler	kW	1 x 1,5	1 x 1,5	1 x 1,5
Net weight	tonnes	17	17	18

\* At a material pre-bale density of 30 - 100 Kg/m<sup>3</sup>

Performance rates and bale densities are subject to moisture, material pre-bale densities, feed rate and other variables when baling.

As part of our continuous product development, specifications are subject to change without notice.