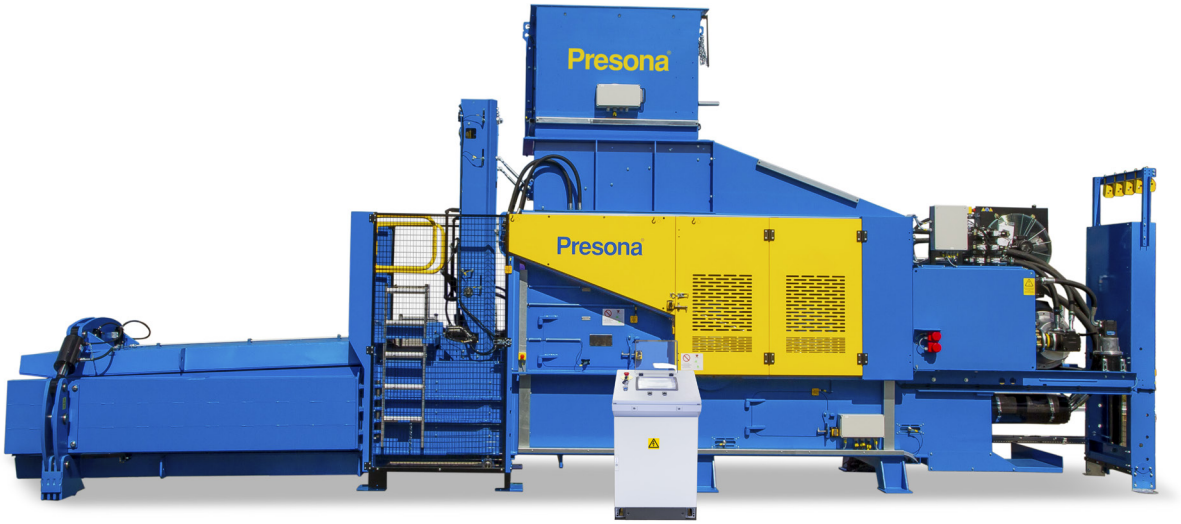
LP 85 VH1 Pre-Press Technology Baler



The baler

- Robust design with highest possible reliability.
- User and service friendly.
- Optimized bale size and big feed opening.
- Unique pressure control of friction channel by means of two heavy duty pulling cylinders.
- All exposed zones in high-tensile steel.
- Exchangeable high-tensile steel plates in press chamber and friction channel (option).
- Friction channel in compact design for reduced wastage.
- Main press top and bottom with cam design for better sealing.
- Main press journalled in four heavy-duty wheels guided on wear rails mounted on the press bottom.
- Main press with sturdy wear blocks on sides and top.
- Heavy duty bearings for the pre-press shaft.
- Detection system of the pre-press position during operation to secure a safe interlock of inspection hatches and protection covers.

The pre-press technology

- Ensures that the material always produces a constant counter pressure in the main press chamber.
- Up to 50 % lower egergy consumption compared to a baler without prepress.
- No risk for material jamming between shear and press plate.
- All of the press force utilized for material compaction.
- Increased volume capacity of the machine; the number of pre-pressing operations may be determined depending on the material to be baled.
- Guarantees an even density throughout the bale = square bales.
- Makes it possible to bale big size material without using a shredder.
- Makes it possible to bale most recyclables to dense, square bales.
- Makes knives on the main press unnecessary.
- Low service- and maintenance costs.

The hydraulics

- Main drive motor 55 kW.
- Oil level control system.
- Oil temperature transmitter - oil temperature indicated on control panel screen.
- Oil cooler.
- Oil heater (optional).

The strapping

- Strapping system with five vertical needles mounted on a needle assembly device on the frame.
- Simple and reliable twisting unit with an eccentric drive, the number of twistings can be set on the control panel for an optimized relation between wire consumption and stability of the ready bale.
- Wire guiding system for big wire coils.
- An additional strapping unit for three horizontal wires for maximum bale weight when baling PET bottles and other expandable materials (option).

The control system

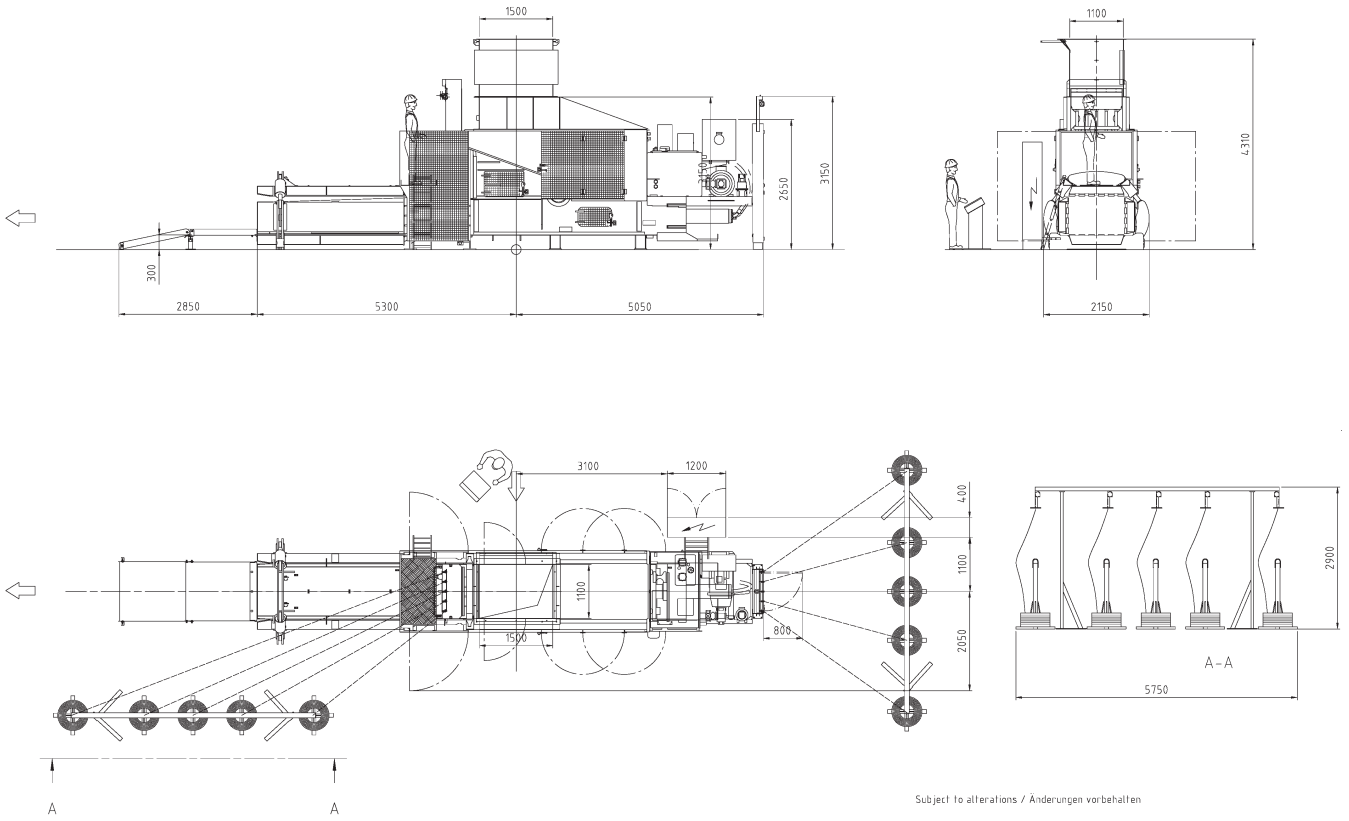
- Siemens PLC.
- Premi HMI system for operation control and monitoring.
- Quick couplings for quick and safe installation.
- A photocell system for baler and conveyor control.
- Two photocell levels for maximum control of press cycle when baling materials with different pre-bale densities.






Presona®

LP 85 VH1 General Dimensions



Technical Data		LP 85 VH1	LP 85 VH2
Theoretical volume capacity	m³/hour	930	*1200*
Max volume capacity	m³/hour	410	*560*
Weight capacity	tonnes/hour	9 - 25	*13 - 30*
Feed opening L x W	mm	1500 x 1100	*1500 x 1100*
Bale size H x W (Length variable)	mm	750 x 1100	*750 x 1100*
Bale weight	Kg/m³	450 - 650	*450 - 650*
No. of vertical strapping wires		5	*5*
Press force pre-press	tonnes	28	*28*
Press force main press	tonnes	85	*85*
Specific pressure	N/cm²	100	*100*
Max oil pressure	Bar	270	*270*
Oil tank capacity	Litres	1000	*2000*
Electric motor	kW	1 x 55	*2 x 45*
Oil cooler	kW	1 x 3,0 + 0,37	*1 x 3,0 + 1,5*
Net weight	tonnes	~ *25*	~ 27

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.

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