

# LP IIO CHF S Prepress Technology Baler



## The pre-press technology

- Ensures that the material always produces a constant counter pressure in the main press chamber.
- Up to 50 % lower energy consumption compared to a baler without prepress.
- No knives on the main ram, no risk for material jamming between knives 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.
- Low service and maintenance costs.

## 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.
- Press chamber floor in 20 mm 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 rolling on four heavy-duty wheels guided on wear rails.
- 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 hydraulics

- Main drive motors 2 x 45 kW (CH2S) and 2 x 55 kW (CH4S) 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

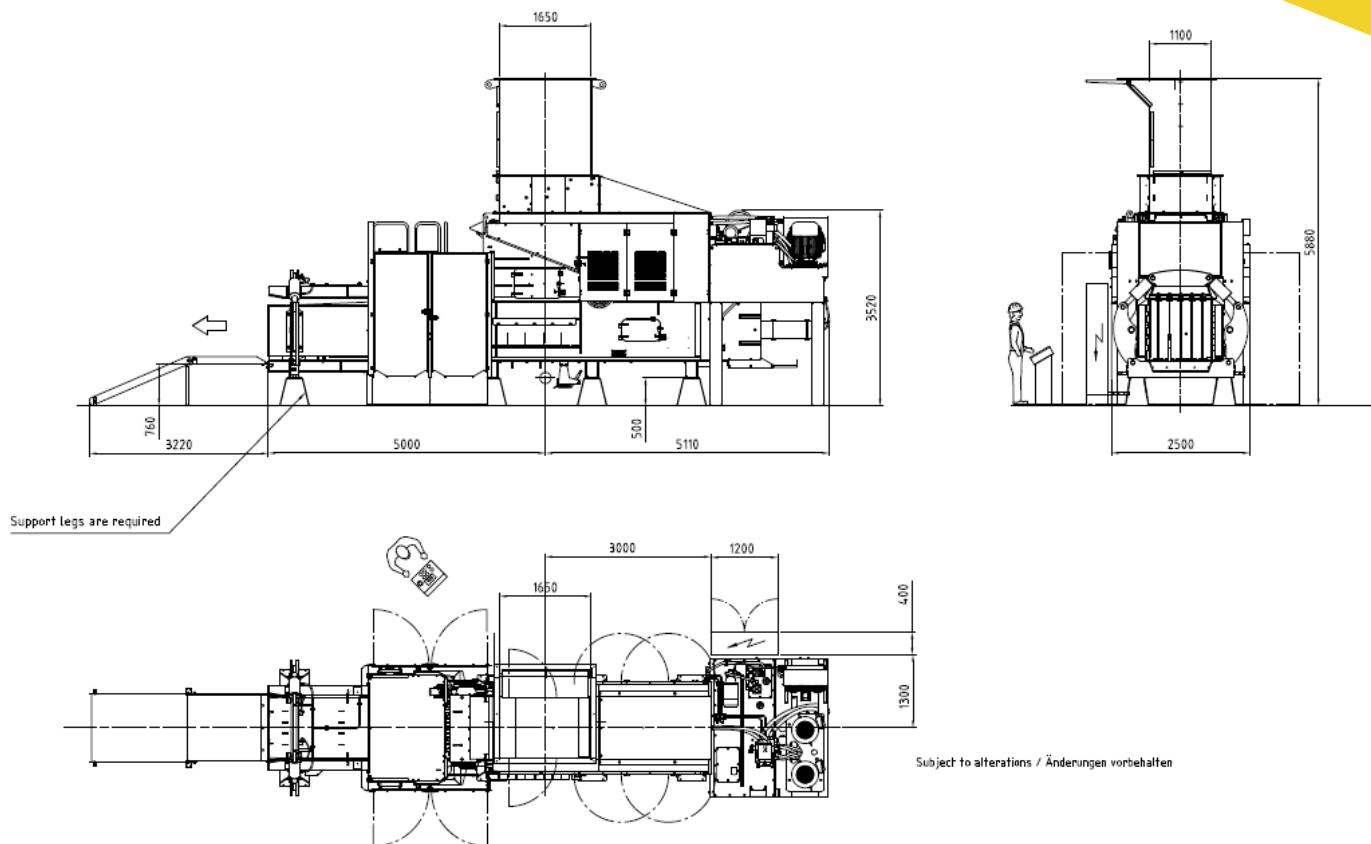
- Strapping system with fully automatic tying unit for 5 polypropylene strings.
- Automatic knotter and string cutting device.
- The tensile strength of the polypropylene string is comparable to steel wire.

## The control system

- PREMI 2.0 HMI Interface system with a fixed Internet connection for operation control and monitoring, presetting of 20 baling programmes.
- Easy operation with a 12" colour Touch Screen
- Quick couplings for quick and safe installation
- A photocell system for baler and conveyor control

# LP IIO CHF S Dimensions

**Presona®**



Technical Data		LP IIO CHF2S	LP IIO CHF4S
Theoretical volume capacity	m <sup>3</sup> /h	1350	1540
Max volume capacity	m <sup>3</sup> /h	660	800
Weight capacity*	t/h	15 - 34	19 - 41
Feed opening L x W	mm	1650 x 1100	1650 x 1100
Bale size H x W (Length variable)	mm	1100 x 1100	1100 x 1100
Bale weight	kg/m <sup>3</sup>	475 - 650	475 - 650
No. of vertical strapping wires		5	5
Press force pre-press	t	54	54
Press force main press	t	110	110
Specific pressure	N/cm <sup>2</sup>	90	90
Max oil pressure	Bar	270	270
Oil tank capacity	Litres	2000	2000
Electric motor	kW	2 x 45	2 x 55
Oil cooler	kW	3,0 + 1,5	3,0 + 1,5
Machine weight	t	~ 30	~ 30

\* 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.

For more information about our products, contact:

Manufacturers Repr. Middle East

**KALMEC** Export AB

Polhemsgatan 1  
SE-392 39 Kalmar  
SWEDEN

Tel. off +46 480 859 00  
E-mail [hq@kalmec.com](mailto:hq@kalmec.com)  
[www.kalmec.com](http://www.kalmec.com)