



Hydraulic System

The hydraulic system incorporates the most up-to-date technology which ensures maximum reliability and efficient use of available power.

At the heart of the system Lyndex utilises multistage pumps, high volume vane pumps and variable displacement high pressure pumps.

Filtration is by means of pressure filters in line with the high volume pumps. Oil is filtered down to 25 microns and the whole volume of oil is filtered 20 times each hour.



Distributor (Ruffler)

The hydraulically inserted distributor is driven by a powerful 15kW electric motor and is used to disperse bundled materials and magazines in the hopper, producing a more uniform bale.



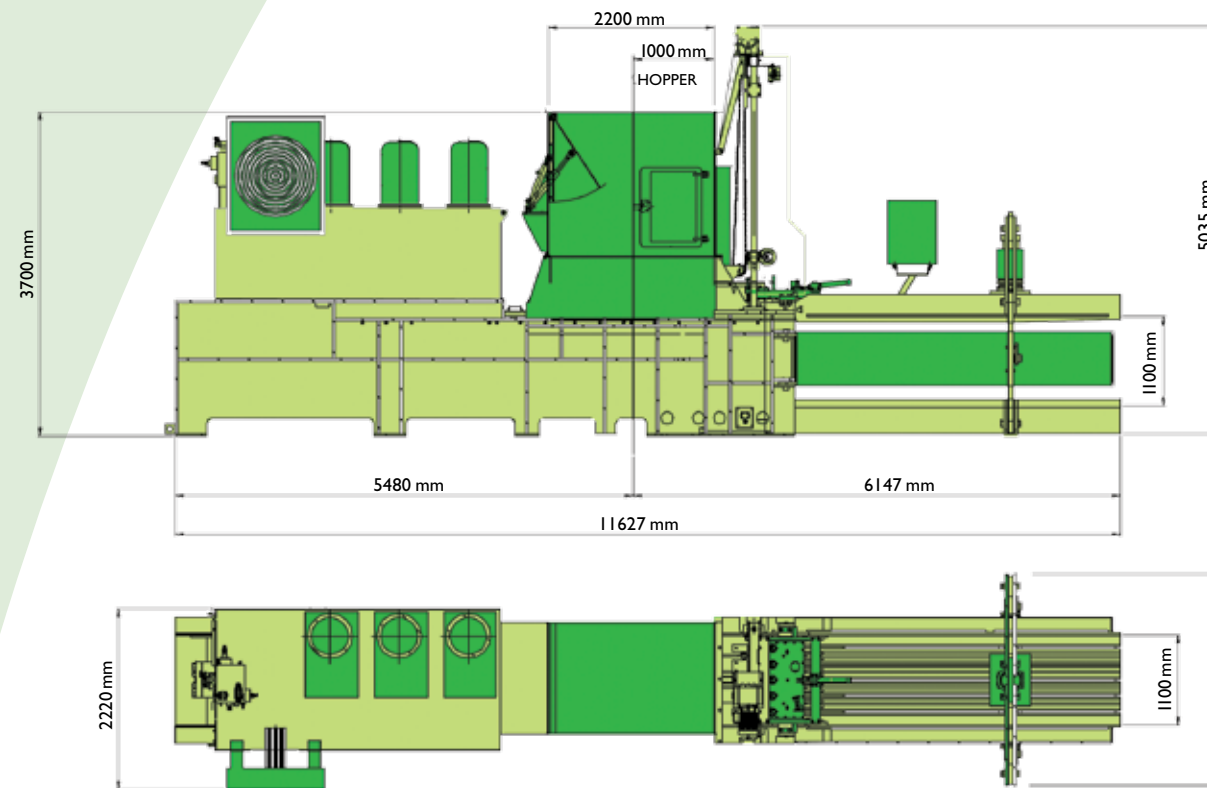
BIMAX | TECHNICAL SPECIFICATION

DIMENSIONS

Length x Width x Height	11.8 x 2.4 x 5.1 Mtr
Weight	46 Tonnes
Hopper Length x Width	2.2 x 1.1 Mtr
Bale Height x Width	1.1 x 1.1 Mtr
Minimum Hopper Height	3.4 Mtr
Drive	2x37, 2x55, 2x75, 3x55 Kw
Pressing Force	125, 145 Tonnes
Specific Pressing Force	10.7, 12.3 Kg/cm ²
Stamper Pressing Force	24 Tonnes
Tying Wires Vertical	5
Tying Wires Horizontal (optional)	3

CAPACITY

Infeed Density 10-20 kg/m ³	5 - 15 Tonnes/hour
Infeed Density 30-40 kg/m ³	22 - 33 Tonnes/hour
Infeed Density 50-60 kg/m ³	43 - 55 Tonnes/hour
Infeed Density 80-100 kg/m ³	63 - 70 Tonnes/hour



BIMAX



40 YEARS OF EVOLUTION

Recycling our past for a better future



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BIMAX

THE MACHINE WITH A PROVEN PEDIGREE

The 'Bimax' model of baler is renowned in the recycling industry for reliability, productivity and longevity. This high quality machine is manufactured by Lyndex of Telford with state-of-the-art control systems.

Construction

The machine is manufactured from heavy gauge plate and sections which are shot blasted for maximum weld penetration and paint adhesion.

All elements of the pressbox are welded together in jigs to ensure it meets the required tolerance. Where required key assemblies are machined before assembly to ensure that tolerances are maintained.

All areas subject to extreme wear are protected by easy exchanged bolted wearing parts of the highest quality, resulting in extended long life.



Platen

Heavy duty multi-plate construction with full length hold down wear ledges and supported by bearings and a pressure ledge.

Central blades are triangular with full anvil support; these blades concentrate the shearing force and enhance the ability of the machine to shear even the most difficult materials.



SHEAR BLADES



Operators Interface

The operator interface main screen has a graphical view of the machine showing all the important machine parameters such as pressure, bale length, oil temperature, material selection and platen position.

The interface has been specifically programmed by Lyndex to be user friendly with operators becoming familiar with the screens within minutes.

Operators only have to select the material grade to be processed. The embedded recipe system chooses the correct machine parameters to produce the best bale possible.

All alarm functions are date and time recorded. A data log system can also be incorporated as an optional extra.



Bigromat Tying System

The most reliable, economical and fastest tying unit fitted to any channel baling press.

The 'Bigromat' twister is equipped with a hydraulic motor which drives a set of gears which in turn drive the twister gears. Twisting discs can be easily removed for cleaning and maintenance. The number of twists can be increased or decreased from the operator interface.



TWISTER GEARS



TWISTER DISCS & BUSH

Wire Consumption

The 'Bigromat' ties the wire without 'pigtails' which does occur with finger type tying units, ensuring minimal consumption.

The wire saved on a typical 1100 x 1100mm bale can be as much as 2.5-3 metres (10%), which when accumulated over a 12 month period would give a significant cost saving.

