

Hydraulic System

The hydraulic system incorporates the most up to date technology and reliability. 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.

Adjustable Main Ram Platen Hold-Down Ledges & Adjustable Blade Beam

The main ram platen hold-down ledges and blade beam on the Ram II baler are easily adjusted and are accessible from the exterior of the baler for simplified maintenance.

Adjustment only requires one person.

Wire Tying System

Various wire tying devices can be supplied according to customers preference.

Multiple strapping patterns are available via the operators interface.

Plastic strapping can also be supplied.

Main Control System

All control systems are designed and manufactured in house using experienced systems engineers. Control systems are build to conform with all current EU standards.

An optional modem can be installed allowing Lyndex engineers to remotely access the PLC system to aid in fault finding and system upgrades.

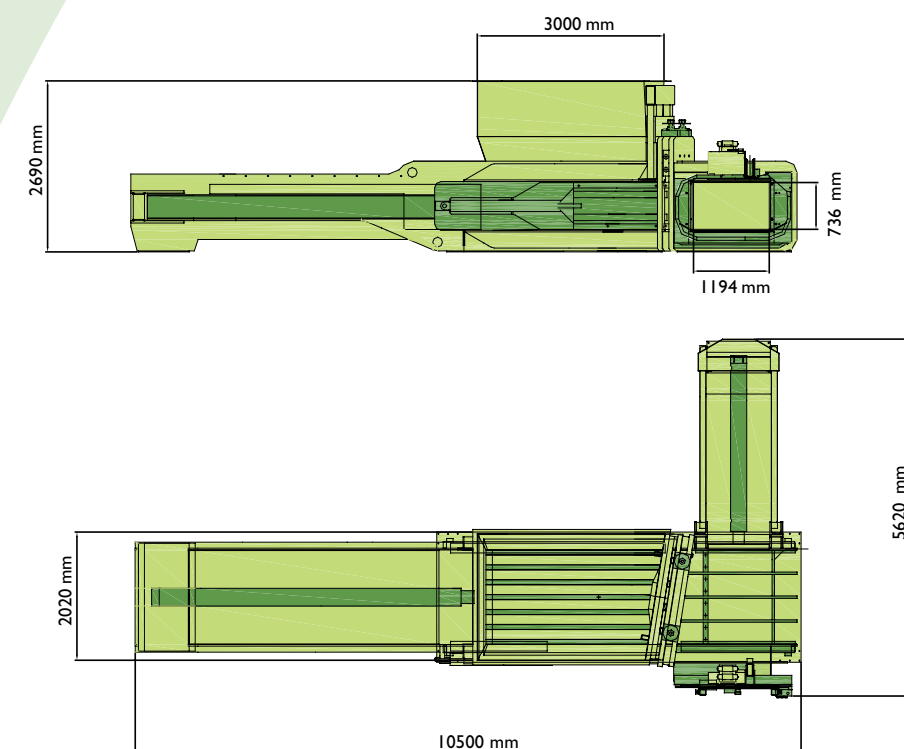
RAM II | TECHNICAL SPECIFICATION

DIMENSIONS

Length x Width x Height	10.6 x 5.7 x 2.7 mtr
Weight	45 Tonnes
Hopper Length x Width	3.0 x 2.0 mtr or 2.5 x 1.1 mtr
Bale Height x Width x Length	760 x 960 - 1194 x 1524 mm or 760 x 1300 - 1530 x 1100 mm
Drive	2x37, 2x55, 2x75, 3x55 kW
Pressing Force	160, 205 Tonnes
Specific Pressing Force	17 Kg/cm ²
Stamper Pressing Force	24 Tonnes

CAPACITY

PET - HDPE	Up to 12 Tonnes/hour
OCC	Up to 23 Tonnes/hour
Newspaper	Up to 32 Tonnes/hour
Steel Cans	Up to 32 Tonnes/hour
Non-Ferrous	Up to 23 Tonnes/hour
MSW	Up to 39 Tonnes/hour



Recycling our past for a better future



Lyndex Recycling Systems Limited, Stafford Park 10, Telford TF3 3BP
 Tel: +44 (0)1952 290333 Fax: +44 (0)1952 290229
 Email: info@lyndexrecycling.com www.lyndexrecycling.com



RAM II THE MOST VERSATILE AND PRODUCTIVE RAM II ON THE MARKET

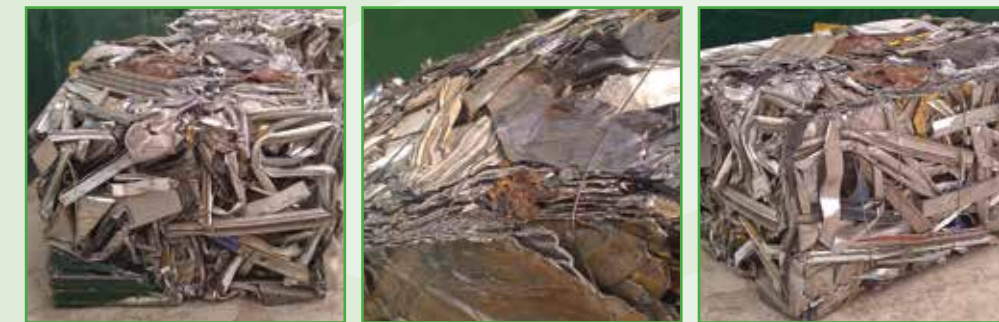
High performance heavy duty baling press for processing MSW, plastic, RDF, non-ferrous, paper and cardboard.

Construction

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

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

All areas subject to extreme wear are protected by easily exchanged wearing parts of the highest quality, giving long life.



Operator Interface

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

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 option.



Flex-Door

The Lyndex Flex-Door is a feature that opens the way to an entirely new and innovative method of positively versatile baling.

The Flex-Door allows fully automatic baling in either the 'plug bale mode' or in the 'bale separation mode' and also manages the ejection of an oversized bale in automatic.

Upon completing the last compression stroke of a bale, the main ram simply stops wherever it senses that the 'target size' of the bale has been achieved. The Flex-Door will then move to a position that is flush with the face of the main ram via a position feedback control system so that the ejection cycle can proceed.



Stamper

The stamper feature is an extremely advantageous tool and was adapted from Lyndex's channel baler series.

The stamper provides over 25 tonnes of pressing force to move material below the shear blade level in the event that the material cannot be sheared. This function is actuated automatically within the control programme, or can be controlled manually if needed.



Main Ram Over Stroke

The main ram is designed to over stroke to within 150mm of the back wall ensuring that each lamination is subjected to maximum compression.