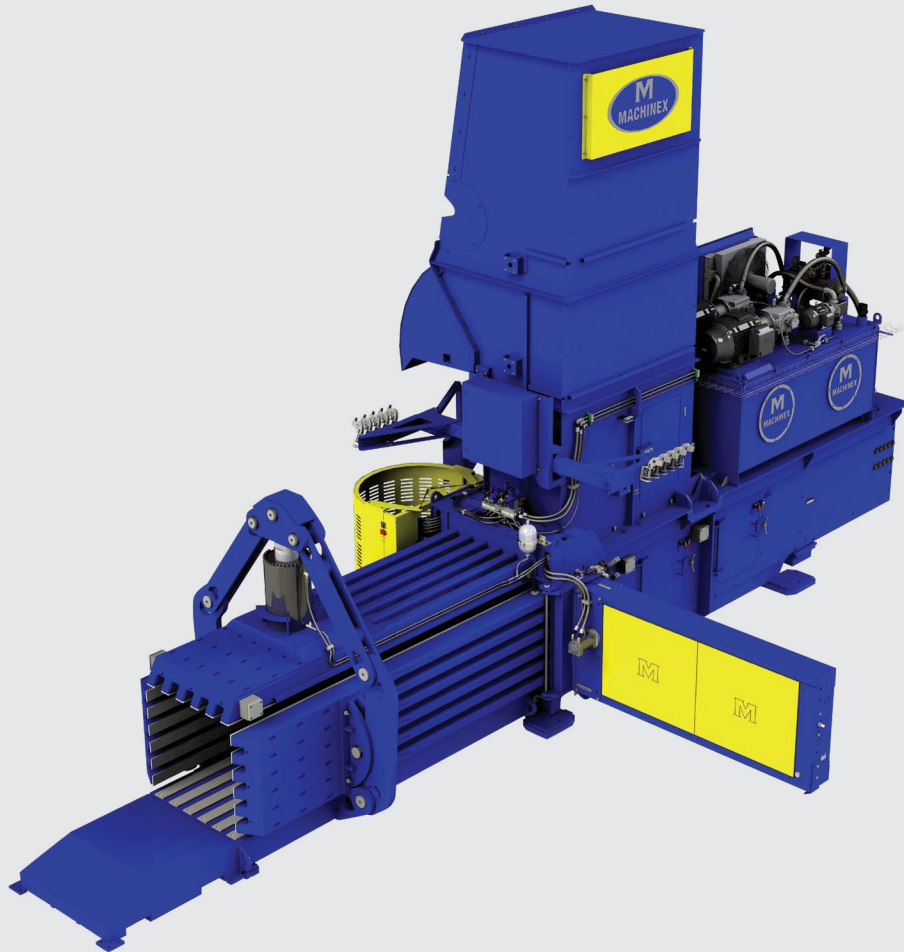


SINGLE RAM BALERS

Regen & Export

M
MACHINEX

Experience Results



Machinex Regen & Export high density, single ram extrusion balers, feature many innovations for optimal results, ease of use, and maintenance-friendly access. Each Machinex baler is CAD-engineered and precision built to offer advanced structural performance and to meet, or exceed, safety and operating standards.

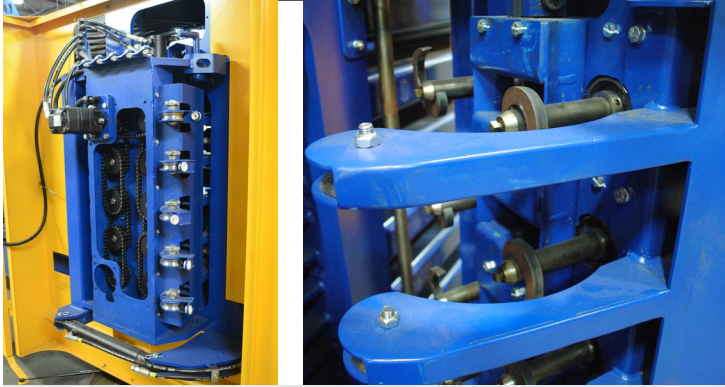


HIGHLIGHTS & BENEFITS

- ▶ Lower maintenance costs
- ▶ Easy and accessible maintenance
- ▶ Reduced bale handling costs
- ▶ Optimal baling density
- ▶ Energy saving

FEATURES

AUTO-TYING



- ▶ Auto-tie, double wire feeders provide optimal strength and enhance productivity
- ▶ Auto-adjusting wire twisters progressively move the wires closer to the twister axle for smoother operation and simplified mechanics
- ▶ Closed-casing twister drive chains reduce downtime
- ▶ Wire twisters are bearing mounted to enhance up-time
- ▶ Hydraulic motor-driven twisters
- ▶ Heavy-duty drive chain provides greater life expectancy
- ▶ Smart needle head design: Bolted needle head pulls wired tight to enhance the durability and performance of the needle assembly

HORIZONTAL TIE



- ▶ Tie module opens-up to release any unwanted material, resulting in a cleaner, and more effective, tie cycle
- ▶ Machinex unique horizontal off-side tie reduces negative impact of pulling wires
- ▶ Double tie come standard with the horizontal tie option
- ▶ Wires on the side of the baler eliminate double bale handling
- ▶ Easily accessible from floor level (Easy maintenance access)

V KNIFE TWIN SHEAR BLADES



The two pieces fixed knife form a "V" which helps to cut material progressively. The mobile knife is made of one piece including 5 pointed teeth with an underneath clearance angle.

This combination gives the Machinex baler a very efficient way to cut material.

The fixed and mobile knives are both made from 500 BHN hardened steel and can be grinded giving them an extra life.

ENERGY EFFICIENT POWER UNIT



The totally enclosed, fan-cooled (TEFC) motors work efficiently in dusty conditions and poor ventilation.

Machinex Balers are powered by one or two premium efficiency motors for extra energy savings.

SMART CONTROLS



- ▶ 15" touchscreen on main panel
- ▶ User-friendly Siemens PLC programmable controller, featuring automatic and manual controls, diagnostics, and bale control panel interface for complete baler management
- ▶ Remote troubleshooting and control by modem
- ▶ UL approved

MAINTENANCE & SAFETY

- ▶ Maintenance platform (optional)
- ▶ Emergency stop device to reduce material damage and bodily injuries
- ▶ Electrical oil temperature alarm switch (CSA/CSAUS/CE)
- ▶ Remote troubleshooting and control by modem
- ▶ On-site start-up, maintenance service, and personalized training for your operators
- ▶ UK Compliance (HSE Baler/ Compactor)

OPTIONS

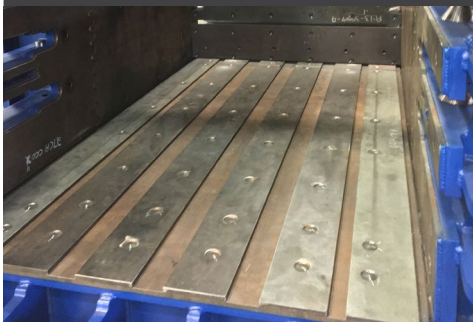
HEAVY DUTY EXTRUSION CHAMBER



The optional heavy duty extrusion chamber includes a 230 tons cylinder.

It increases the retention capacity of slippery materials like plastics, helping to continuously maintain optimal density of the bales.

TONGUE & GROOVE



The stepped profile of the tongue & groove floor greatly reduces the possibility of thin material lids to penetrate under the ram. This helps to keep the gap between the knife very tight and at the same time reduces the maintenance cost.

SMART HOPPER JAM BREAKER



The jam breaker helps keep material moving freely through the feeding hopper. The device uses infrared photocells to ensure automatic clearance of the feeding hopper and eliminate fastidious release operations.

	REGEN				EXPORT		
MODELS	MLP-125R	MLP-155R	MLP-155R-TP	MLP-185R-TP	MLP-85RX	MLP-125RX	MLP-125RX-TP
Platen Force	126 tons	159 tons	159 tons	196 tons	96 tons	126 tons	126 tons
Hydraulic Motor(s)	1 x 100 HP	1 x 100 HP	2 x 75 HP	2 x 75 HP	1 x 100 HP	1 x 100 HP	2 x 75 HP
Main Cylinder Bore	8"	9"	9"	10"	7"	8"	8"
Overall Dimensions	32'-7½"				32'-6"		
Clear Top Opening	72" x 39"				72" x 40½"		
Auto-Tie System	5 to 10 wires (double wire)				4 to 8 wires (double wire)		

PERFORMANCE

Main Ram Cycle Time (Dry - W/O Pre-Flap)	11.3 seconds	13.7 seconds	8.1 seconds	9.6 seconds	9.1 seconds	11.3 seconds	6.6 seconds
Pre-Press Cycle Time (Dry / With Pre-Flap)	N/A	N/A	14.1 seconds	15.6 seconds	N/A	19.3 seconds	12.6 seconds
Tie Cycle Time	13.5 seconds						

TONNAGE*

2 lb/ft³ (up to)	17 TPH	15 TPH	25 TPH	23 TPH	15 TPH	14 TPH	22 TPH
3 lb/ft³ (up to)	22 TPH	20 TPH	32 TPH	31 TPH	20 TPH	19 TPH	30 TPH
4 lb/ft³ (up to)	31 TPH	27 TPH	42 TPH	38 TPH	28 TPH	24 TPH	38 TPH
6 lb/ft³ (up to)	40 TPH	34 TPH	52 TPH	48 TPH	35 TPH	31 TPH	47 TPH
10 lb/ft³ (up to)	56 TPH	47 TPH	70 TPH	64 TPH	49 TPH	42 TPH	65 TPH

BALE DENSITY**

OCC	24 lb/ft³	29 lb/ft³	29 lb/ft³	34 lb/ft³	25 lb/ft³	30 lb/ft³	30 lb/ft³
MOW & ONP	30 lb/ft³	33 lb/ft³	33 lb/ft³	35 lb/ft³	31 lb/ft³	34 lb/ft³	34 lb/ft³
PET	20 lb/ft³	28 lb/ft³	28 lb/ft³	35 lb/ft³	21 lb/ft³	31 lb/ft³	31 lb/ft³
UBC	18 lb/ft³	22 lb/ft³	22 lb/ft³	26 lb/ft³	19 lb/ft³	24 lb/ft³	24 lb/ft³
Steel Cans	23 lb/ft³	38 lb/ft³	38 lb/ft³	55 lb/ft³	26 lb/ft³	44 lb/ft³	44 lb/ft³

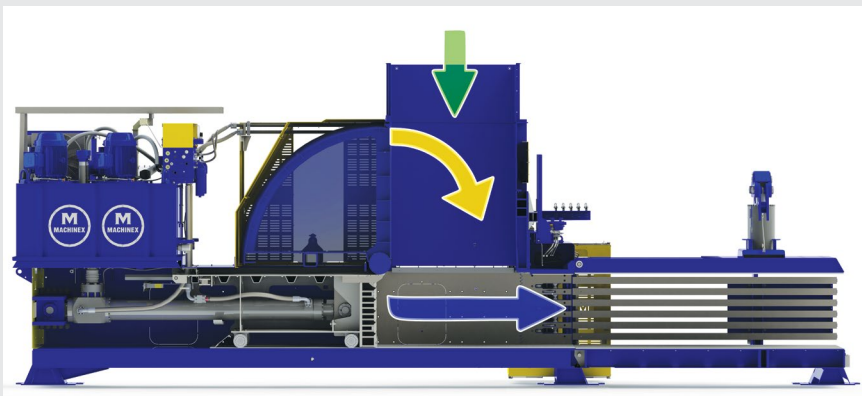
BALE SPECIFICATIONS

Bale Size	43" x 43" x variable	43" x 29" x variable
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*Imperial tons. Each specification is subject to modifications.

**Performances rates, bales weights and bale densities are subject to moisture content, infeed densities, feed rates, machine efficiencies and other variables in baling. All performances Data is based on full average penetration with 1.5 sec. delay for valve shift.

PATENTED PREFLAP & SHEAR TECHNOLOGY



LEGEND

- ▶ The material is fed into the chamber.
- ▶ Material is pre-compacted by the preflap.
- ▶ Main ram cycle can occur with or without the preflap. This is possible because of our patented preflap and shear combination.

The Machinex Preflap & Shear baler features patented, double action technology for stable, homogenous bales. With peaks of 60 tons pre-compaction, extra-large cardboard cutting capability, and up to 235 tons of ram face compaction, this baler provides densities of up to 50 lbs/sq. and a capacity of up to 85 tons per hour.