



Automated Workhorse

EXCEL® couples interlocking construction and bolt in wear liners with the most advanced control system in the industry for an indestructible, automated 2RAM Baler. Fully automated operation eliminates the need for a full-time operator. Superior quality results in reduced down time, less repairs and dramatic labor savings.

2R SERIES BALERS

2-RAM Horizontal Waste and Recycling Balers

MARKETS

- Recyclers
- Scrap Yards
- Landfills
- Manufacturers

MATERIALS

- Office Paper
- Newspaper
- OCC
- Magazines
- PET
- HDPE
- Aluminum Cans
- Tin Cans
- Painted Aluminum Siding
- Insulated Wire
- Aluminum Extrusions
- Radiators
- Copper Wire
- MSW
- Other

Standard features:

- The 2R12 and 2R12-XL are manufactured standard with either left-hand or right-hand eject.
- Operator-free operation
- (2) 100 HP Motors TEFC motor, standard voltage— 460-volt, 60-hertz, three-phase
- EXCEL Autonetics™ in with absolute ram position sensor with electronic display
- Automatic wire tier
- Industrial hardened logic controller
- Fully lined with Hardox 400 replaceable wear liners
- 1,500-gallon hydraulic reservoir with regenerative circuit
- Upper and lower photo eyes (sender/receiver upper photo eye with integrated conveyor control)
- NEMA 12-rated enclosures and controls with conveyor starter
- Installed and working modem for online diagnostics.
- Castle Key safety interlocking entry system
- Automatic bale door
- Automatic shear jam correction
- Bale discharge platform
- Sandblasted, primed and painted Excel Blue for long-lasting durability.
- Air-to-oil heat exchanger
- Integrated steel platen wiper
- UL-, CUL-approved (CE available)
- Bale counter
- Hardened, serrated, turn-able cutting knives.
- Hour meter
- 9-inch eject cylinder
- Available with multiple conveyor options for a turnkey system



2R12/2R12-XL	
Structural	
OVERALL LENGTH	33'10" / 38' 10"
WIDTH	18'
HEIGHT	8'8" (2.68 meters)
FEED OPENING	56"x 80"/56"x110"
CHAMBER FLOOR	1 1/4" thick plate plus 3/8" Hardox
CHAMBER SIDE WALLS	1 1/4" thick plate plus 3/8" Hardox
BALER SHIPPING WEIGHT	90,000 lbs./110,000 lbs.
Performance Data	
MAIN CYLINDER	12" Bore x 145"/175" Stroke x 8.5" rod
EJECT CYLINDER	9" (22.9cm) Bore x 6" (15cm) Chrome Rod
OIL RESERVOIR	1,500 gallon
PUMP CAPACITY	600 GPM
MOTOR	(2) 100 HP TEFC 460V, 3 Phase
HYD SYSTEM PRESSURE	4,500 PSI
OVERALL PLATEN FORCE	508,939 lbs.
PLATEN PSI	316 PSI
CYCLE TIME	12 Seconds/14 Seconds
ESTIMATED BALE SIZE	60" L x 45" W x 30" H 46.88 cu ft (adjustable)
ENCLOSURE	NEMA 12 Rated
CONTROLS	CE/UL Approved NEMA 12 Rated
Bale Weights*	
OCC	1,400 - 1,600 lbs. 22-28 TPH
PLASTIC	1,300 - 1,700 lbs. 10-19 TPH
UBC	1,100 - 1,300 lbs. 13-22 TPH
TIN CANS	1,700 - 2,200 lbs. 37-49 TPH
NEWSPAPER	1,400 - 1,700 lbs. 33-39 TPH
MSW	2,200 - 2,600 lbs. 41-57 TPH
NON-FERROUS	1,700 - 2,400 lbs. 22-30 TPH

Full Bale Ejection, Full Platen Penetration, Patented Safety Interlock Door, Tongue and Groove Floor, Hardox 400 wear surfaces

* Bale weights are based on actual customer surveys, and may differ with moisture content, material density, etc. Due to equipment upgrades, specifications are subject to change.



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