

Large Square Balers



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LSB 1290 i-DENSITY



be strong, be **KUHN**



LSB

1290 iD

THE NEXT GENERATION EXTREME HIGH DENSITY LARGE SQUARE BALER

EFFICIENT LOGISTICS AND HANDLING COUNT

Maximize the transport and handling efficiency of large square bales with the new LSB 1290 iD (i-DENSITY) balers. The higher (+25%) bale density results in less transport and handling movements and enable efficient stacking of the bales.

BIOMASS AND ENERGY CROP PROCESSING

The world's demand for energy is increasing fast. This brings new opportunities for agricultural producers all over the world. The LSB 1290 iD is equipped with special wearing parts to ensure extreme durability in the most challenging crop conditions.

ECONOMICAL BENEFITS DUE TO INTELLIGENT DESIGN

Higher bale compaction leads to higher machine peak loads, and heavy machinery. With the intelligent features on the LSB 1290 iD, KUHN proves that high bale density and low power requirement can be combined into one machine. This ensures the profitability of your baling operation.



Model

LSB 1290 iD

Bale size

120 x 90 cm

Dimension

4 x 3



TWINPACT

HIGH DENSITY BALES, LOW POWER REQUIREMENT

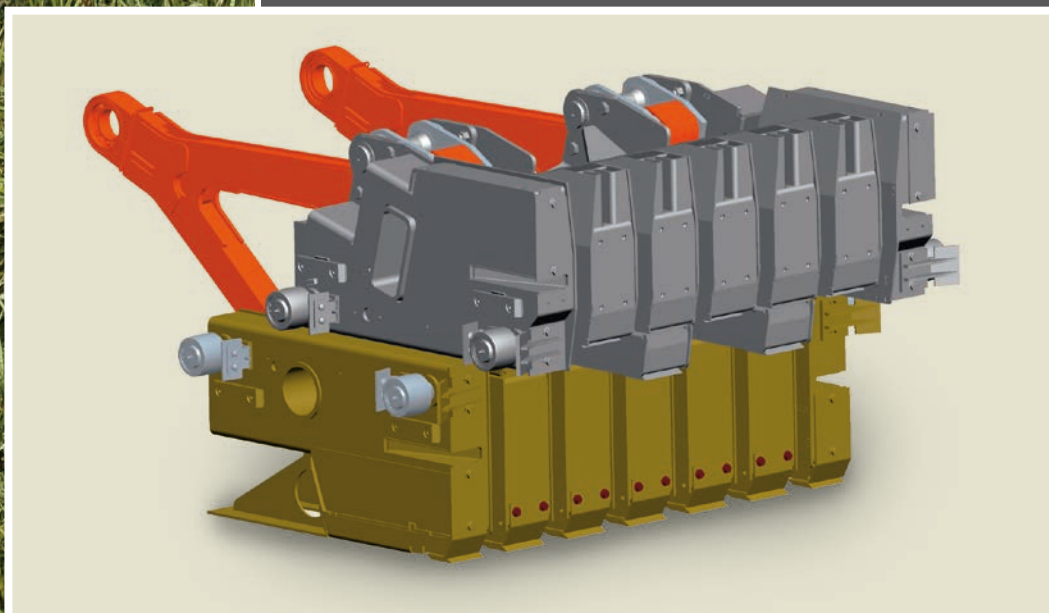


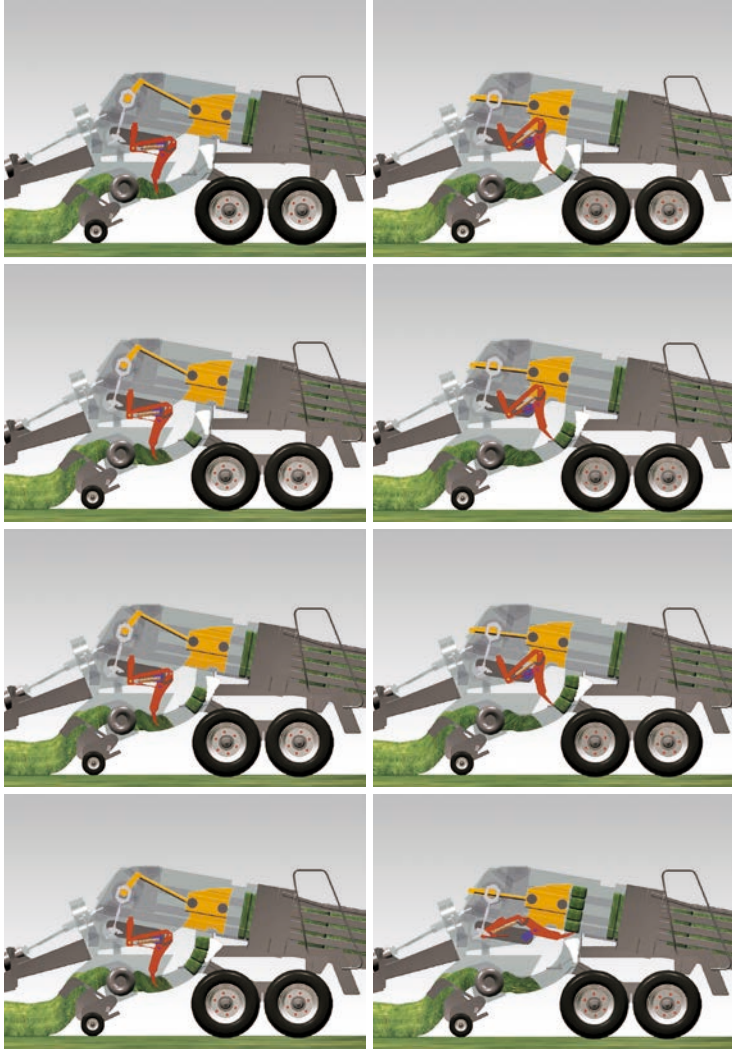
HIGH DENSITY LARGE SQUARE BALERS

Normal large square balers use the force of a plunger stroke to compress the crop inside the bale chamber to form a nicely shaped and dense bale.

KUHN i-DENSITY BALING

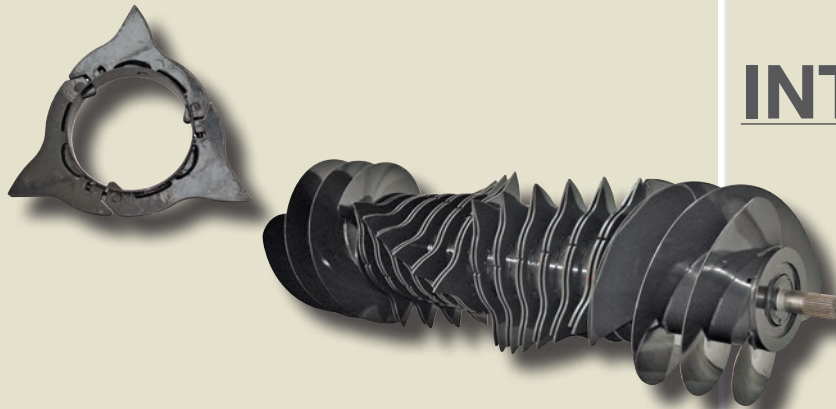
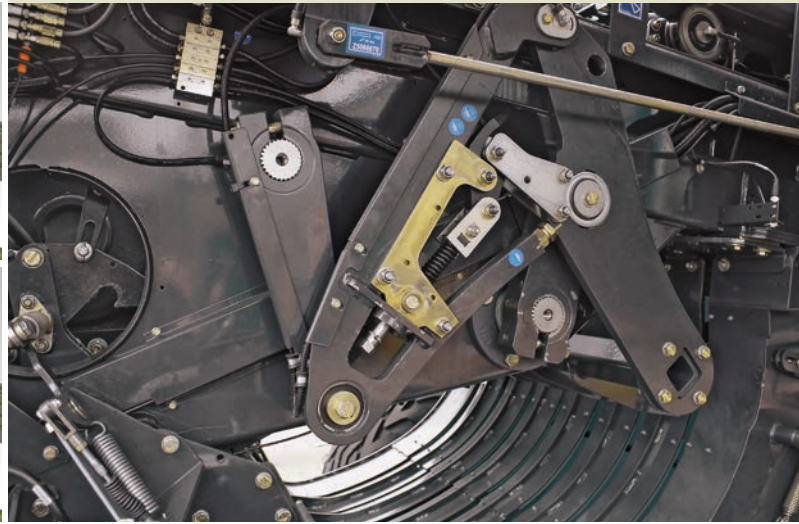
The KUHN LSB 1290 iD baler features the TWINPACT system, an intelligent way to reach extreme high bale density and avoid giant peak loads on the machine. The TWINPACT plunger is divided into an upper and lower part, which are connected with a special rod. The plunger impact on the bale is divided into two steps, increasing the applied force per surface and thus bale compaction. Despite the heavier bales, the load on the machine is comparable with a normal LSB, eliminating the need for an oversized driveline, flywheel and main frame.





POWER DENSITY

Consistently filled bale flakes, regardless of the windrow conditions. The continuous rotating feeder fork combines two functions into one mechanism, eliminating the need for complex steering systems. The complete mechanical POWER DENSITY system has proven its worth in all LSB balers and will continue to do in the next generation.



INTEGRAL ROTOR

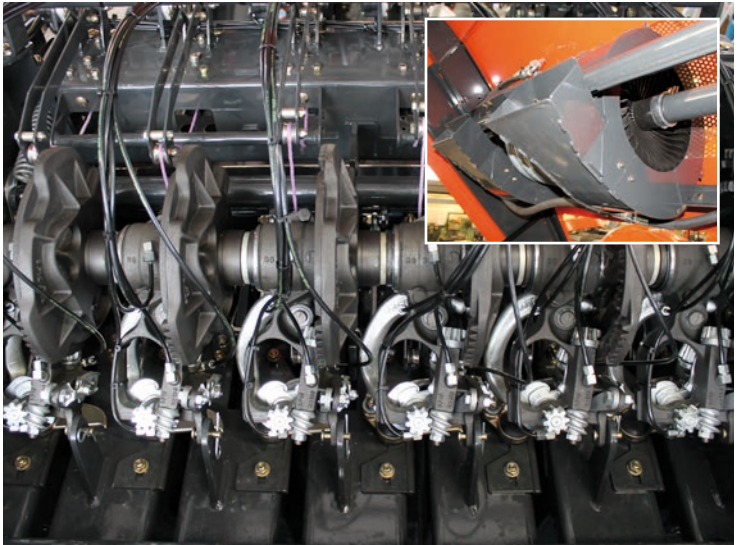
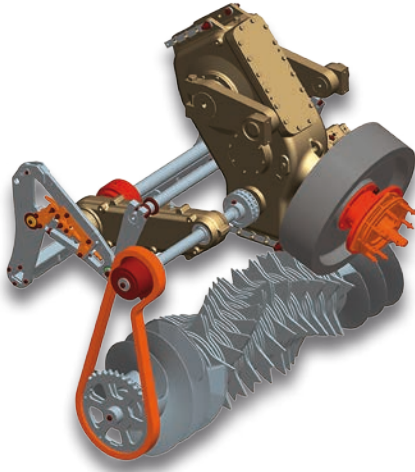
The 60 cm diameter of the INTEGRAL ROTOR on the LSB 1290 iD ensures an even and aggressive crop intake in all crop conditions. To withstand the toughest conditions, the rotor tines are made from extra durable steel and are easy to replace due to the bolted connection.



BASIC FEATURES

ROBUST DRIVELINE – NON STOP BALING

For easy maintenance and an efficient drive, all synchronised components are gearbox and shaft driven. The cam clutch protection on the main intake system and flywheel automatically re-engages in case of an overload.



KNOTTERS

For secure and reliable knotting in combination with the extreme high bale densities, the LSB 1290 iD is equipped with six double knotters. The big cleaning fan, driven by on-board hydraulics ensures performance in even the toughest circumstances.



EASY ACCESS

Easy, fast and clean machine access. As on the current LSB machines, the twine boxes can swing out for easy machine access. The platform on the back, with standard railing secures easy access to the knotter area. The solid steel covers open in one piece, providing you superior access to your machine.

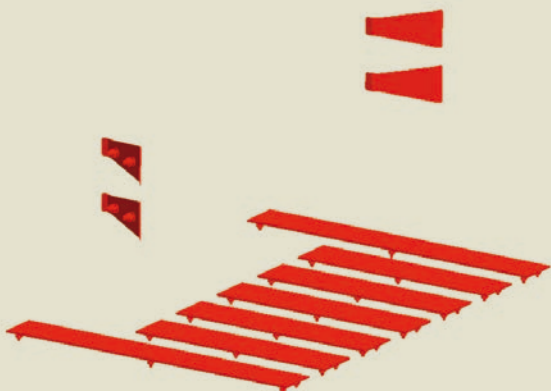


AXLES AND WHEELS

The 135 cm wheel spacing of the large tandem axle on the LSB 1290 iD ensures stability and safety, both in the field and during transport. Both the rigid single axle with large flotation tires (710/40-22.5) and the tandem are equipped with either hydraulic or pneumatic brakes.

WEARING PLATES

Rough circumstances and environments demand the most of your baler. The special wearing plates from hardened steel on the inside of the bale chamber are easy to replace for a maximum reliability of the LSB 1290 iD.



THE FUTURE OF BALING



In the near future, agricultural producers will not only feed the world, they will also be the main supplier of energy. Besides special energy crops, crops residues will be used to generate the next generation of bio-fuels. Square bales will play an important role in this process, as they enable efficient logistics and handling of the crop residues and energy crops.

A process for generating bio-energy that has been developed for over years is generating heat by burning the crop. The most common crops can be used, mainly straw but also Miscanthus (elephant grass) and Sugarcane leaves are used to generate energy.

The next generation of bio-fuels is developed to achieve a high rate of efficiency and to avoid competition with crops used for food production. With special processes, fibrous material can be used to produce ethanol. This requires special plants, and the key in profitability are the logistics of crops residues to these factories. With the LSB 1290 iD, KUHN can bring this profitability!



Specifications		LSB 1290 iD	
Bale dimensions		3x4	
Width		120 cm (47")	
Height		90 cm (35")	
Length		60 cm (24") up to 300 cm (118")	
Pick-up			
Intake width		230 cm (91")	
Pick-up diameter		34 cm (13")	
Number of tine bars		5	
Tine spacing		61 mm (2.4")	
Bale chamber			
Number of plunger strokes		2 x 46 / min	
Density control		6 x Hydraulic Cylinders	
Bale chamber length		300 cm (9' 10")	
Control		ISOBUS (VT 50 / CCI 100)	
Knotting system			
Number of knotters		6	
Twine spool capacity		30 x 12 kg	
Intake system			
Integral Rotor type		OptiFeed	OmniCut
Knives		-	0/11/12/23
Minimal cutting length		-	45 mm (1¾")
Knife protection		-	Single Hydraulic
Wheels and Axles			
Tandem axle steered		400 / 70-20	
Tandem axle steered (opt)		500 / 55-20	
Tandem axle steered (opt)		560 / 45-22.5	
Tandem axle steered (opt)		620 / 50-22.5	
Brake system		Air / Hydraulic	
Dimensions			
Length		790 cm (25' 11")	
Width		300 cm (9' 10")	
Height (m/ft.)		345 cm (11' 4")	
Weight*		11300 kg (24912 lbs)	11950 kg (26345 lbs)
Minimum tractor requirement		132 kW (180 hp)	147 kW (200 hp)
Horsepower requirement may vary with different crops, conditions, and options used. Consult operator's manual for proper tractor sizing.			

* Depending on version and additional options

LSB

1290 iD

THERE IS ALWAYS A KUHN BALER, FOR YOUR SQUARE BALES

Specifications

Bale size	LSB 870*	LSB 890	LSB 1270*	LSB 1290	LSB 1290 iD
80 x 70 cm	x				
80 x 80/90 cm		x			
120 x 70 cm			x		
120 x 80/90 cm				x	
120 x 90 cm					x

* This model is currently not available in North America

KUHN, THE LARGE SQUARE BALER SPECIALIST!



1. LSB 870 - 2. LSB 890 - 3. LSB 1270 - 4. LSB 1290

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