

Specifications

Items	Unit	TSW2020	
Binding		Net	
Bale Chamber			
Diameter	cm	100	
Width	cm	100	
Capacity	M3	0.79	
Weight (Aprox.)	kg	450-600	
Density (Aprox.)		0.57-0.76	
Number of steel rollers	pcs	12	
Working capacity (Aprox.)	bales / hour	30	
Wrapping section			
Number of arms	pcs	2	
Film width(cm)	cm	50	
Hopper			
Width	cm	265	
Height	cm	270	
Capacity	M3	4.5	
Width	cm	265	
Overall Dimintions		Transportation	Operation
Length	cm	870	850
Width	cm	235	235
Height	cm	230	270
Weight	kg	3950	
Tire size	—	13/75-16.10PR	
Required Tractor Power			
Power	kW (PS)	37-73.5 (50-100)	
Connection/Others			
2P Pin Category		Category I	
Power package		○	
PTO shaft speed	r.p.m.	540	
Automatic lubricaiton system		○	
Voltage(Control Box)		12-13.8	

○ = STANDARD

Remarks : Bale size and Bale weight varies depending on materials.

Figures, technical data, dimensions and weights are subject to changing without notice.



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MAIZE BALER WRAPPER

MODEL TSW2020



The revolution in corn silage operation

Automatic operation ensures effective production system



Mechanization

All process can be done by mechanized work. STAR Maize baler also contributed to reduce the number of labors at a site.



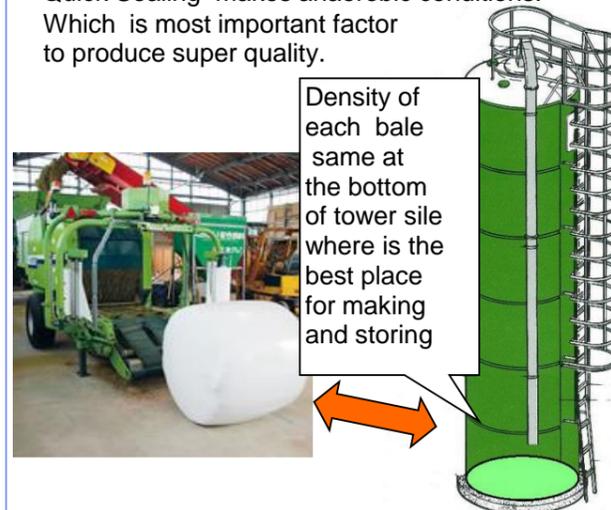
Harvesting → Bailing/Wrapping → Storage

Conventional work



Super quality silage

- High packing density - DM 200~240 kg/m³ 1.7 times as high density as Normal silo.
- Quick Sealing makes anaerobic conditions. Which is most important factor to produce super quality.



Easy stock & distribution

- Maize silage (Diam. 100 × 100) can be stored like grass bales.
- Extra bales can be distributed to other farmers.
- Make TMR (Total Mixed Rations)



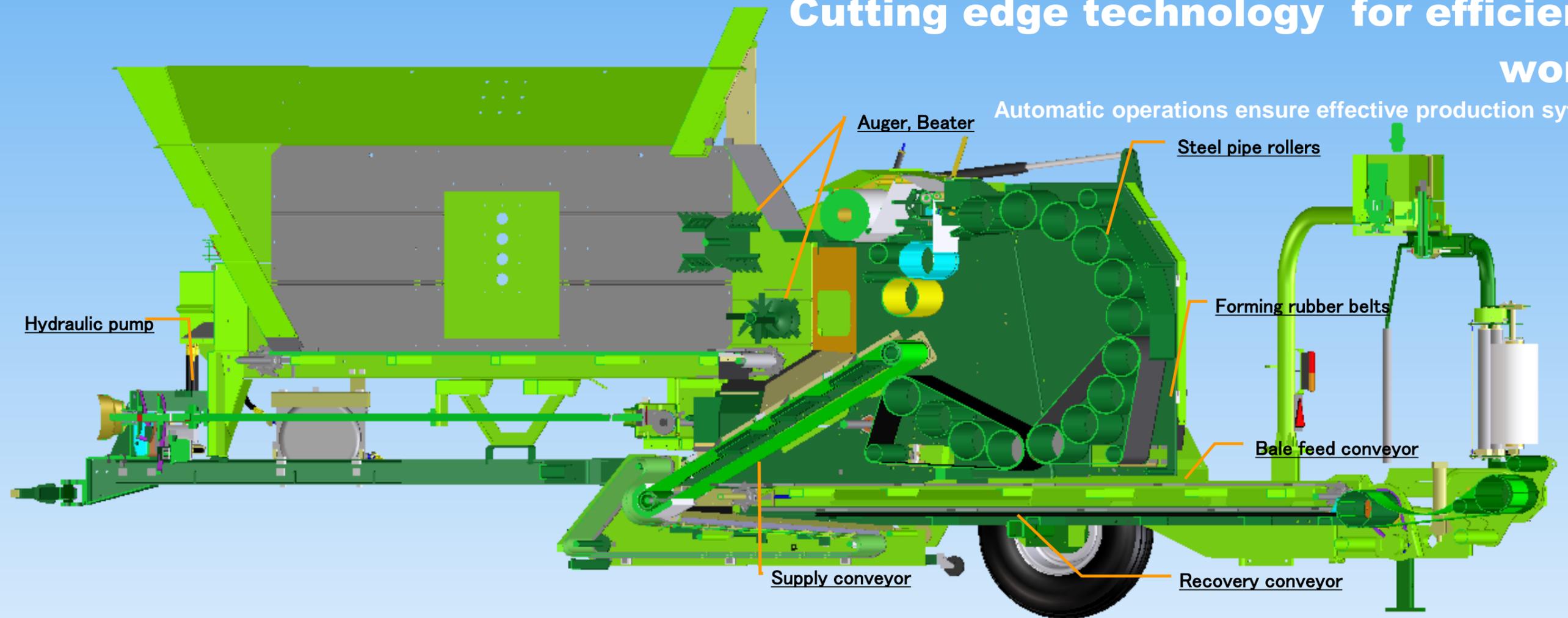
Summer silage

Never imagine to feed best quality silage in Mid. summer because materials are rapidly spoiled or degradation under high temperature. Silage must be firmly packed to minimize the oxygen content. Each silage bale can be kept ideal conditions until it is opened.



Cutting edge technology for efficient work

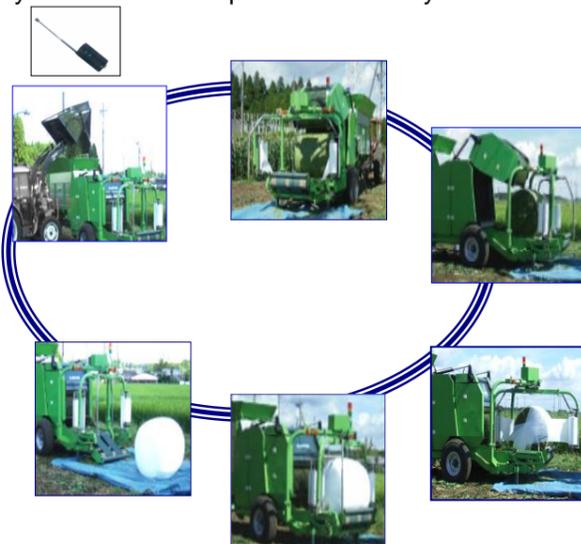
Automatic operations ensure effective production system



Full automatic operation

Once setting the remote control, operations of all process (materials transferred from Hopper→baling→wrapping→ejecting) is continued until switching off.

* The process of ejected bales can be done by semi automatic operation for safety reason.



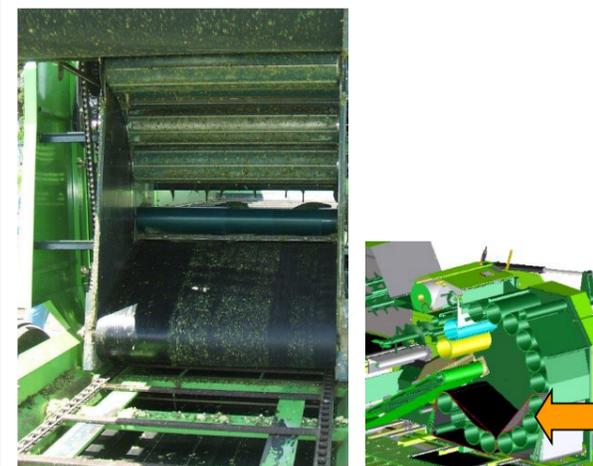
Hopper with 4.5 m3 of capacity

Baling materials are stored in 4.5m3 hopper which capacity is for 3bales and which makes it possible continuous production. If our maize baler wrapper is operated under full automatic mode, only small work is required to field staffs such as material supply, bale conveyance, consumption items supply (films and nets).



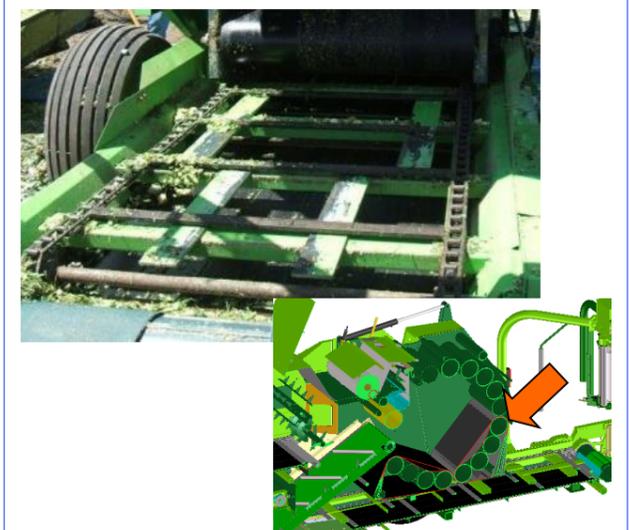
Heavy-duty rollers + Rubber belts

Solid-drawn high-tensile steel pipe is used for steel rollers which are suitable for heavy-duty. Each bale is high density with beautiful shape by rugged rollers. Two rubber belts covered 8rollers at the bottom for minimizing materials fell down during baling process.



Special device for minimizing loss

In addition to rubber belts with rollers, gathering conveyor is equipped under baling section since chopped materials is fell down through small gaps between rollers easily.



Our product boosts productivity & possibility

Introduction-usage examples



Farmer/ Farm CO-OP

One bale is equivalent to the amount of corn silage that 15-20 cows/cattles consume for one day. Small scale farmers can mix corn silage with other materials like TMR in their places. Which realizes that cows/cattles feed on ideal bite every day.



Food Factory

Food factories are annoyed how to deal with by-product. Nowadays recycling by-product for animal feed become popular as one of ecological activities in Japan. Our maize baler wrapper is also utilized to mix and pack by-product with grass, straw etc. Many companies are interesting in introducing our Maize baler wrapper for this purpose.
* Some materials are not able to handle by our model due to moisture rate, length etc.



TMR (Total Mixed Ration)

Needless to say, TMR is most potential users to whom our maize baler can be introduced. The number of TMR in Japan has been increased year by year. Thanks for this trend, demands for our model are expanding.



Intorduction of our customers

Our maize balers are introduced in many countries. The photos are took in the sites in Japan and foreign countries.

