SIPMA

BALE WRAPPERS

SIPMA OZ 5000 TEKLA
SIPMA OZ 7500 TEKLA
SIPMA OS 7510 KLARA
SIPMA OS 7521 MIRA
SIPMA OS 7530 MAJA
SIPMA OS 7531 MAJA
SIPMA OS 7535 MAJA

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BALE WRAPPERS

The highest technology of hay silage processing into film-wrapped round bales ensures the highest quality of fodder.

The basic machines used in this process are bale wrappers designed to wrap the bales made of semi-dry grass or papilionaceous plants with the dry mass content of 40-50%. The bales are wrapped with a special stretch cling film, which protects the ensilaged material from air, moisture and light. The ensilage process takes about 6 weeks, after which the fodder is suitable for animals.

SIPMA S.A. offers bale wrappers with advanced design features which meet the demands of all users.

The main advantages of the offered technology are:

- independence on weather conditions,
- ensilage of low volumes of fodder,
- no waste generated during harvest, ensilage, storage and feeding,
- easy fodder pickup and portioning,
- low man labour costs,
- elimination of environmental pollution with silage saps.

SIPMA OZ 5000 TEKLA ▪ SIPMA OZ 7500 TEKLA ▪ SIPMA OS 7510 KLARA

The tilt table 1

allows discharging wrapped bales, protecting them from mechanical damage at the same time. After unlocking the latch, the tilt table is lifted by tractor's hydraulic lifting system and the bale rolls back.

A solid frame

made from bent and welded sections, makes the whole design stable and resistant to overloads.

The universal film dispenser 2

used in the SIPMA wrappers allows using 0.5 m and 0.75 m wide films. The 0.75 m wide bale wrapping film requires only 16 revolutions of the wrapping table and greatly reduces the wrapping time.

The aluminium milled film dispenser rollers

ensure pre-stressing of the film and proper adhesion during the wrapping process.

The bale counter

indicates the current number of film layers and informs about the end of wrapping process.

A wrapping method

of the loaded bale is that successive film layers overleap each other by 50%. It ensures that the green fodder will be properly stored and efficiently ensiled.

SIPMA OZ 5000 TEKLA ▪ SIPMA OZ 7500 TEKLA

Stationary bale wrapping machines, the models SIPMA OZ 5000 TEKLA and SIPMA OZ 7500 TEKLA, are offered to small and medium size farms. They are installed on the three-point linkage of the tractor. The model SIPMA OZ 5000 TEKLA operates with 0.5m wide film, while the model SIPMA OZ 7500 TEKLA is equipped with a universal film dispenser adapted to 0.5 m and 0.75 m wide films. The hydraulic lifting system of the tractor allows automatic bale unloading.

The structure suspended

on the tractor three-point linkage enables bale wrapping at the storage areas with the use of a loader (i.e. the SIPMA LC 1500 HERKULES front loader with the bale grip).

Specially designed rollers

ensure proper bale wrapping, so that even shapeless bales rotate properly.

Durable, maintenance-free bearings

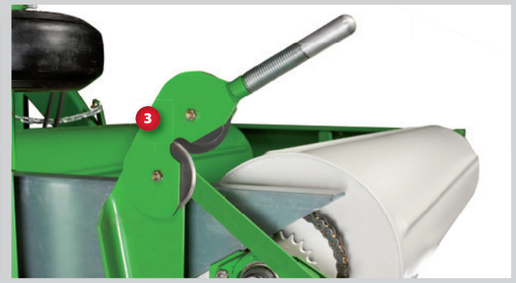
ensures long and fail-safe work.

Foil cutter 3

enables cutting foil as a result of resolution of the table after unloading bales and ensures long and unfailing work.

Bale elevator (additional equipment)

allows putting bales on their bottom (on the right or left side of the bale wrapper).



SIPMA OS 7510 KLARA

Self-loading bale wrapping machine SIPMA OS 7510 KLARA is mounted to the tractor on the three point linkage and has supporting wheels. It is equipped with a lift arm that picks the rolled-up bales from the rear side and allows for wrapping when the tractor moves forward towards the next bale or towards the place of storage. The machine has a modern universal film dispenser (0.5 m and 0.75 m wide films) as well as a film cut and hold unit eliminating the need of any interventions except for he installation of new film rolls. The machine is controlled from the tractor cab by means of a hydraulic divider.

The design suspended on the tractor

three-point linkage ensures high mobility of the wrapper and low labour demand – just one person is required to operate the machine.

Wheels rotating around their vertical axis 4

combined with mounting of the machine on the three point linkage, provide high maneuverability of the tractor-wrapper combination.

Shaft (additional equipment)

enables aggregating the bale wrapper by the tractor's transport fastener.

Foil catcher (additional equipment) 5

enables catching and cutting foil in difficult weather conditions.

Hydraulic table lock (additional equipment)

prevents the table from rotating on unevenness.

MODEL		OZ 5000 TEKLA	OZ 7500 TEKLA	OS 7510 KLARA
Bale dimensions				
bale diameter	mm	1300	1300	1200 - 1300
bale width	mm	≤ 1250	≤ 1250	≤ 1300
Maximum bale weight	kg	1000	1000	1000
Foil width	mm	500	500 / 750	500 / 750
Bale wrapping time	sec.	~ 120	~ 120	~ 120
Minimum number of wrapping		two times	two times	two times
Power demand	kW (HP)	28.5 (38)	28.5 (38)	20 (30)
Equipment				
bale elevator		○	○	×
shaft (d=40 mm)		×	×	○
shaft (d=50 mm)		×	×	○
foil catcher		×	×	○
hydraulic table lock		×	×	○
Dimensions				
length	mm	2600	2600	2170
width	mm	1200	1200	1940
height	mm	1200	1200	2150
Weight	kg	470	480	780

● – standard, ○ – additional equipment, × – unavailable

SIPMA OS 7521 MIRA

The SIPMA OS 7521 MIRA bale wrapping machine is fully automated self-loading machine, attached to the tractor. Full automation of the process is provided by an advanced control system which allows pre-programming a wrapping cycle.

Technological system 'side-back'

allows working in a direction perpendicular or parallel to the direction of the press work (across a field), ensures fast loading of bales, wrapping with foil during the drive until the next bale and high efficiency.

Advanced hydraulic block

causes lower resistance on hydraulic system and gives more possibilities of controlling through the setting of speed of all control function.

Hydraulic system with Load-Sensing function

affects smaller fuel consumption and grows the liveliness of tractor hydraulic pump.

Improvement the work culture of the hydraulic system

through the double reduction of average work pressure and the reduction of power consumption.

Universal film dispenser 6

allows the use of 0.5 and 0.75 m wide films.

Aluminum, milled film dispenser rollers 7

provide the initial film stretching and appropriate adhesion during the wrapping process.

The sensor on the loading arm

ensures automaticly wrapping start process.

The brake of the motor

makes impossible to move the table during the drive.

Bale elevator 8

allows for putting bales on their bottom or rolling them on their side surface into the field and protects the wrapped bale from possible damage during unloading.

Hydraulic film catcher-cutter 9

works automatically after each bale wrapping process, provides a considerable acceleration of the wrapping process and its efficiency.

Wide tyres

provide the opportunity to work on wetlands and peat fields.

CAPABILITIES OF THE CONTROL PANEL

- large LCD graphic display showing the actual parameters of work,
- manual or fully automatic operation of the machine,
- monitoring of the ongoing process of wrapping,
- counting the number of wrapped bales,
- measuring the time of operation [h] with the accuracy of 1 minute,
- counting the achieved performance [bales/h],
- measuring the volume of work on five independent fields - independent calculation of the number of wrapped bales, working time and achieved performance,
- setting price for wrapping one bale for a given filed,
- programming the number of film layers (depending on the kind of film used), when reached, the machine passages automatically to next work stage,
- smooth control of the rotating speed of the table during work,
- programming the speed of lifting and lowering the loading arm,
- controlling the foil feeding - an additional sensor of foil stops the bale wrapping process in case of foil breaks or finishes,
- controlling the state of oil filter pollution,
- displaying the status of reed sensors (assessing operating efficiency or lack), thanks to which we are able to change a defective sensor without calling the service,
- displaying the sum of wrapped bales since installing the board computer on the wrappers machine,
- displaying on the screen information concerning work in the whole current season - summing up values of data from all fields, where the bale wrapper worked (number of bales wrapped throughout the season, total working time in a season, efficiency in a season).

MODEL		OS 7521 MIRA
Bale dimensions		
bale diameter	mm	1200 - 1500
bale width	mm	≤ 1250
Maximum bale weight	kg	1000
Film width	mm	500 / 750
Wrapper drive		hydraulic
Bale wrapping time	sec.	~ 60
Oil demand	l/min.	20 - 90
Power demand	kW (HP)	≥ 35 (48)
Equipment		
bale elevator		●
universal foil feeders (500 / 750)		●
foil rolls feeders		●
electronic control panel		●
electrical system permitting driver on public roads		●
hydraulic foil catcher-cutter		●
wide tyres 400 x 60 - 15.5		●
Dimensions in operating position		
length	mm	4600
width	mm	4100
height	mm	2300
Dimensions in transport position		
length	mm	4600
width	mm	2400
height	mm	2800
Weight	kg	1390

● – standard, ○ – additional equipment, × – unavailable

SIPMA OS 7530 MAJA

Self-loading bale wrapping machine SIPMA OS 7530 MAJA is an economical version of the previous designs of MAJA series bale wrapping machines, which is mechanically controlled with a joystick.

Technological system 'front-back'

allows for work in the same direction as the direction of the press work (along a field), ensures fast loading of bales, wrapping with foil during the drive until the next bale, high efficiency and coupling the bale wrappers machine with the round baler, ensuring simultaneous rolling and wrapping bale during one way.

Aluminum, milled film dispenser rollers

provide the initial film stretching and appropriate adhesion during the wrapping process.

Bale elevator 10

allows for putting bales on their bottom or rolling them on their side surface into the field and protects the wrapped bale from possible damage during unloading.

Wide tyres 11

provide the opportunity to work on wetlands and peat fields.

Adjustable shaft 12

in the positions in work and transport effectively allows for collecting bales and transporting the machine over access roads including public ones to the field.

MODEL		OS 7530 MAJA
Bale dimensions		
bale diameter	mm	1200 - 1500
bale width	mm	≤ 1250
Maximum bale weight	kg	1000
Film width	mm	500 / 750
Wrapper drive		hydraulic
Bale wrapping time	sec.	~ 100
Oil demand	l/min.	≥ 20
Power demand	kW (HP)	≥ 35 (48)
Equipment		
bale elevator		●
universal foil feeders (500 / 750)		●
foil rolls feeders		●
electrical system permitting driver on public roads		●
hydraulic foil catcher-cutter		●
joystick control		●
wide tyres 400 x 60 - 15.5		●
Dimensions in operating position		
length	mm	5760
width	mm	3160
height	mm	2210
Dimensions in transport position		
length	mm	5820
width	mm	2350
height	mm	2430
Weight	kg	1360

● – standard, ○ – additional equipment, × – unavailable

Hydraulic film catcher-cutter

works automatically after each bale wrapping process, provides a considerable acceleration of the wrapping process and its efficiency.

Counting the number of wrapped bales

shows the number of foil wrapping and informs about finish of the bale wrapping process.

The joystick 13

enables to control the wrapping machine from the cabin of the tractor.

SIPMA OS 7531 MAJA

The bale wrappers machine SIPMA OS 7531 MAJA is fully automated self-loading machine, attached to the tractor. Full automation of the process is provided by an advanced control system which allows pre-programming a wrapping cycle.

Technological system ‘front-back’

allows for work in the same direction as the direction of the press work (along a field), ensures fast loading of bales, wrapping with foil during the drive until the next bale, high efficiency and coupling the bale wrappers machine with the round baler, ensuring simultaneous rolling and wrapping bale during one way.

Adjustable shaft 14

in the positions in work and transport effectively allows for collecting bales and transporting the machine over access roads including public ones to the field.

Universal film dispenser 15

allows the use of 0.5 and 0.75m wide films.

Aluminum, milled film dispenser rollers 16

provide the initial film stretching and appropriate adhesion during the wrapping process.

Hydraulic film catcher-cutter

works automatically after each bale wrapping process, provides a considerable acceleration of the wrapping process and its efficiency.

Bale elevator 17

allows for putting bales on their bottom or rolling them on their side surface into the field and protects the wrapped bale from possible damage during unloading.

Wide tyres 18

provide the opportunity to work on wetlands and peat fields.

MODEL		OS 7531 MAJA
Bale dimensions		
bale diameter	mm	1200 - 1500
bale width	mm	≤ 1250
Maximum bale weight	kg	1000
Film width	mm	500 / 750
Wrapper drive		hydraulic
Bale wrapping time	sec.	~ 100
Oil demand	l/min.	20 - 40
Power demand	kW (HP)	≥ 35 (48)
Equipment		
bale elevator		●
universal foil feeders (500 / 750)		●
foil rolls feeders		●
electronic control panel		●
electrical system permitting driver on public roads		●
hydraulic foil catcher-cutter		●
wide tyres 400 x 60 - 15.5		●
Dimensions in operating position		
length	mm	5760
width	mm	3160
height	mm	2210
Dimensions in transport position		
length	mm	5820
width	mm	2350
height	mm	2430
Weight	kg	1360

● – standard, ○ – additional equipment, × – unavailable

CAPABILITIES OF THE CONTROL PANEL

- manual, automatic or semi-automatic operation of the machine,
- monitoring of the ongoing process of wrapping,
- counting the number of wrapped bales,
- measuring the time of operation [h] with the accuracy of 1 minute,
- counting the achieved performance [bales/h],
- measuring the volume of work on three independent fields - independent calculation of the number of wrapped bales, working time and achieved performance,
- programming the number of film layers (depending of foil width), when reached, the machine passages automatically to next work stage,
- setting the machine automatically for transport,
- displaying the status of reed sensors (assessing operating efficiency or lack), thanks to which we are able to change a defective sensor without calling the sernice,
- displaying the sum of wrapped bales since installing the board computer on the wrappers machine.

SIPMA OS 7535 MAJA

The bale wrappers machine SIPMA OS 7535 MAJA is fully automated self-loading machine, attached to the tractor. Full automation of the process is provided by an advanced control system which allows pre-programming a wrapping cycle.

The bale wrapping machine is distinguished by advanced hydraulic system, which is extended by hydraulic adjustable shaft. The advantage of wrapping process is the economy, which allows to save working time for 12h/1000 bales and to reduce the oil demand by 110l / 1000 bales.

Technological system 'front-back'

allows for work in the same direction as the direction of the press work (along a field), ensures fast loading of bales, wrapping with foil during the drive until the next bale, high efficiency and coupling the bale wrappers machine with the round baler, ensuring simultaneous rolling and wrapping bale during one way.

Advanced hydraulic unit

causes lower resistance of the hydraulic system and provides greater control possibilities by setting the speed of all controller functions.

Hydraulic system with Load-Sensing function

affects smaller fuel consumption and grows the liveliness of tractor hydraulic pump.

Improvement the work culture of the hydraulic system

through the double reduction of average work pressure and the reduction of power consumption.

Hydraulic adjustable shaft 19

in the positions in work and transport effectively allows for collecting bales and transporting the machine over access roads including public ones to the field

Universal film dispenser 20

allows the use of 0.5 and 0.75m wide films.

Aluminum, milled film dispenser rollers 21

provide the initial film stretching and appropriate adhesion during the wrapping process.

Hydraulic film catcher-cutter

works automatically after each bale wrapping process, provides a considerable acceleration of the wrapping process and its efficiency.

The sensor on the loading arm

ensures automaticly wrapping start process.

The brake of the motor

makes impossible to move the table during the drive.

Bale elevator 22

allows for putting bales on their bottom or rolling them on their side surface into the field and protects the wrapped bale from possible damage during unloading.

Wide tyres 23

provide the opportunity to work on wetlands and peat fields.

Controlling the state of oil filter pollution

signals a necessity of its change when admissible state of pollution will be overdraft.

An additional sensor of foil

stops the bale wrapping process in case of foil breaks or finishes.

Large LCD graphic display

ensures in easy and intuitive way to put the work parameters and shows the state of wrapping machines parameters.

Programming the rotating speed

of lifting and lowering the loading arm and the table.

Smooth control of the rotating speed

of the table during work enables the adapting speed to the weight of the bale, also during bale wrapping process.

The control panel 24

enables setting price for wrapping one bale for a given filed and displaying informations from whole the season.

CAPABILITIES OF THE CONTROL PANEL

- large LCD graphic display showing the actual parameters of work,
- manual or fully automatic operation of the machine,
- monitoring of the ongoing process of wrapping,
- counting the number of wrapped bales,
- measuring the time of operation [h] with the accuracy of 1 minute,
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- displaying on the screen information concerning work in the whole current season - summing up values of data from all fields, where the bale wrapper worked (number of bales wrapped throughout the season, total working time in a season, efficiency in a season).

MODEL		OS 7535 MAJA
Bale dimensions		
bale diameter	mm	1200 - 1500
bale width	mm	≤ 1250
Maximum bale weight	kg	1000
Film width	mm	500 / 750
Wrapper drive		hydraulic
Bale wrapping time	sec.	~60
Oil demand	l/min.	20 - 90
Power demand	kW (HP)	≥ 35 (48)
Equipment		
bale elevator		●
universal foil feeders (500 / 750)		●
foil rolls feeders		●
electronic control panel		●
electrical system permitting driver on public roads		●
hydraulic foil catcher-cutter		●
wide tyres 400 x 60 - 15.5		●
Dimensions in operating position		
length	mm	5760
width	mm	3160
height	mm	2210
Dimensions in transport position		
length	mm	5820
width	mm	2350
height	mm	2430
Weight	kg	1360

● – standard, O – additional equipment, × – unavailable

2 LATA gwarancji TWO-YEAR WARRANTY

SIPMA

SIPMA S.A., ul. Budowlana 26, 20-469 Lublin, Poland
tel. (+48) 81 44 14 400, www.sipma.pl

Stamp of SIPMA Dealer

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