

KM 100+60 BALLING MACHINE

CLASS 1: VERSION KM 100+60

TOTAL 20 UNITS AND WORKING PRINCIPLES OF THE MACHINE

1) MACHINE BALANCE AND SUPPORT LEGS

- a. First start the hydraulic motors.
- b. The machine balance and support legs are total four and work as separate units with two pairs. It ensures the balance of machine and the load on the wheels.
- c. Dual hydraulic control lever works manually are fixed in the chassis of machine.
- d. The operator needs to park the machine on balance and hard surface.

2) HORIZONTAL CARRIER CONVEYOR

- a. First, operate the hydraulic motors, and then drag down the conveyor horizontally through down button from the back of machine's fixed chassis button. The 2 communication sensors receive commands for further process.
- b. The conveyor cover and wings are opens manually by the conveyor cover open button fixed in the frame of our machine.
- c. The bed conveyor is set for the product receiving condition and as per the demand and the way of working, the product can be fed from the top with the help of the bucket or damper.

3) HORIZONTAL CONVEYOR PRODUCT OUTPUT DENSITY

APPARATUS

- a. Conveyor output density apparatus reduces or increases the speed of the conveyor according to the density of the product.
- b. It sends the product to the baling and pressing chamber of machine at the set density. Automatically communicates through sensors.

4) PRODUCT TRANSPORT VERTICAL CONVEYOR

- a) The vertical conveyor of machine moves the product to the pressing chamber.
- b) When the product density in the pressing chamber reach up to the mark, it communicates with the PLC system and automatically activates net and foil units.



5) PRODUCT PRESS ROOM

- a. Pressing chamber presses the products at diameter of 55-60 cm cylinders. The presses products weight reaches approximately 75-100 kg.
- b. After pressing, it communicates with the PLC system and automatically activates the net (foil) taking apparatus.

6) NET AND FOIL FITTING APPARATUS

- a. In our machine, the net (foil) attachment and the tables are manually attaching to the net section with the square screw.

7) NET TRANSFER APPARATUS

- a. The file (foil) transmitter automatically communicates with the sensors and PLC as per the received command provide number of layers to the files (foil).

8) NET (FOIL) COLLECTION AND PUBLISHING

- a. In our machine file (foil) collection and file (foil) publication moves together with the PLC transmitter communication. When the file section (foil) receive commands through sensors the file (foil) publication stars automatically.
- b. After completing the line tour, the sensor automatically re-assembles and collects the file (foil).
- c. After collection of the net turns, the PLC communication system give commands for cutting the file (foil) through blades.

9) NET AND FOIL SETTING COLLECTION APPARATUS

- a. The net (foil) adjustment brakes communicates with the PLC system.
- b. From start to the end of the net (foil), it provides bale tightness proportionally in the same frequency.
- c. Net (foil) transmitter, file publication unit and net cutters works in coordination with each other.



10) BALE EXECUTION CRADLE CARTS

- a. Our machine opens the chamber cover and leaves the bale on the cart enwrapped in net (foil).
- b. The bale launcher trolley communicates with PLC sensors.
- c. It move the packed materials to the stretch films section wrapping.
- d. After completion of the lap of stretch wrapper arms, PLC automatically gives the command to the stretch holder and the stretch cutter.

11) STRECH FILMS KNIFE AND STRECH FILMS HOLDER

- a. Stretch knife and stretch holder arms are activated by sensors for motion.
- b. The Stretch wrapper after completion of the rounds automatically communicates with the PLC for the bale cradle cart activation.

12) BALE WRAPPING UNIT

- a. Two wrapping arms are available in the wrapping section.
- b. Stretch wrapper settings are attached to the wrapping arms.
- c. Stretch films coils are manually attached to the apparatus. The bale carriage and the wrapping arms get information from PLC and sensors.
- d. The bale carriage package converter and the winding lever are automatically activated together with a single command, and left the bale ramp immediately after completion of the tours.
- e. There are two magnetic safety arms present and in case of living or nonliving incidence immediately stop the machine to protect itself and the operators.

13) BALE DROPIING RAMP

- a. The bale dropping movable ramp is fixed to the chassis through movable head.
- b. As the bale reach to the cradle cart and then move forward without damaging the shape of bale.
- c. The meter reader sensors automatically sends the number of bales to the touch panel and makes notes in the machine's memory. Thus, the product is ready for shipment in shape of bale.



14) SCRAPER BYPASS BASE

- a. The base scraper recollects the dropped products and send it back to the pressing chamber for repressing.
- b. Horizontal conveyor, vertical conveyor, pressing room, file (foil) transfer, the bale transporter cart works in harmony with 5 stations by communicating automatically with PLC and sensors.

15) PARALLEL SEQUENCE VALVE UNIT

- a. There are 10 row valve plates, 10 valves and locks in machine.
- b. These valves are connected with PLC, panel board and electric motor hydraulic pumps.
- c. Conveyor cover, conveyor loader, net (foil) printing, net (foil) spreader, net (foil) brake, mesh blade, bale carrier cart, package convertor, machine legs balance, consists a total of 10 mechanisms.

16) SERIAL PROPORTIONAL VALVE UNIT

- a. Dual valve plate, two valves and locks are mounted in machines.
- b. These valves are connected to the PLC panel board and electric motor hydraulic pumps.
- c. The bale compression chamber and the wrapping section get power from hydro drive motor for motion.

17) HYDRAULIC OIL TANK

- a. All hydraulic oil pressure equipment of our machine activates with electric motor mounted pumps.
- b. Two oil cooler radiators prevent oil from heating.
- c. The recycling unit is installed.
- d. Oil degree and indicator are available.

18) MOTION AXLES

- a. There are 2 cradled axles movable and 4 are fixed.
- b. When the machine get on road, the drum type brake system in the wheel operate in parallel with the intermediate hose and the brake.
- c. The maneuverability of the machine is improved with the crib axle.
- d. Pits, cascades and rainfall were beneficial.



19) MACHINE CONSTANT CONTROL PANEL

- a. Our machine's fixed control panel is equipped with the latest technology.
- b. There is one playable, adjustable, touch control panel.
- c. All equipment are interrupted by this panel.
- d. The machine has screened malfunctioning software which reports faults with text and alarm.
- e. The time, lap and speed setting on the machine are adjusted from the touch panel.

20) ON CUSTOMER REQUEST FAULT NOTIFICATION SYSTEM

- a. In case of electrical, electronic, PNS and in other hydraulic systems failures, the KOMSILAJ technical service unit via GPRS mobile SMS no matter where our machine is working, either domestic or international can be accessed. In this way an emergency fault can be settled.
- b. The operator will also be notified via mobile phone sms in case of machine malfunctioning.
- c. If the operator does not intervene because of running machine, it also sends the information to our fault notification system factory service team.
- d. The operator is warned by our operator service and the failure is prevented from growing.

OUR VISION AND MISSION

Our Vision

Komsilaj envisioned to reach the market with perfectly environmental friendly machines. We have zeal and potential to reach the World market and serve for the betterment of the farmers and decrease the maximum losses.

Mission

Our products are manufactured according to the world standards latest technology with no compromise on quality. The machines are designed for ease of use and displacement. Our machines are equipped with high technology, budget friendly, efficient work and long-life values. The machine is nominated for the 1st rank among the equivalent machines in the World with its KOMSILAJ brand name. In production, research and development processes the prevalent problems on sectorial basis were taken into consideration and as a KOMSILAJ MAKINE parts combination resulted in a perfect layout.

AFTER SALE SERVICES

1. After sale, our machine has 2 years mechanical parts guaranteed.
2. No fee is charged for the parts used.
3. After the sale for a period of 10 years (with a fee) we have spare parts supply and service guarantee.
4. If there is any fault in the technical service team which cannot intervene from the center, our technical team must intervene and correct the malfunction.
5. Kom Silaj Makine (company name) technical service team 12 months of the year, 7/24 serves.
6. All materials used in our machine are available in our stock.
7. These technical services are provided through another separate company named as Komsilaj Farm Machinery and Spare Parts Ltd.ŝti and serves as 24/7.
8. In addition, if the customers want to buy another machine bigger than the previous one, we will get back the used machine back and will serve the customer with new one but with the decreasing cost of 1 Euro per ton.

**Other Details of the Machine**

Bale Width	55-60 cm	Number of tires	4
Bale Range	75-100 kg	Weight of the machine	6000 kg
Required electric power	17 KW	Length of the running machine	8500 mm
Driving Force	Electricity	Width of the running machine	2350 mm
Stretch size	750 mm	Height of the running machine	2700 mm
Stretch Wrapping Unit	2 Piece	Machine road length	6000 mm
Stretch Wrapping Control	Automatic	Machine road width	2350 mm
Size of the String Bag	1230-1250 mm	Machine road height	2700 mm
Check of the String Bag	Automatic	Vehicle connection	Single point draught
Machine Control	Electro Automation	Country of origin	Turkey
Pressing System	Rubber bands	Packing materials	Corn silage, beet pulp, Fruit pulp and other rough grains
Baling Capacity	50-55 bale/hour		

KM 100+60 TECHNICAL DETAILS

- Brand: Komsilaj
- Model: km 100+60 (2020)
- Type: towed
- Drive system: electric
- Package size: 55-60 cm
- Capacity: 50 bale / hour
- Required tractor power: No
- Bale weight: 75-100 kg
- Pressing system: rubber band
- Package material: Net – stretch, Folyo
- Mobile: yes
- PTO transfer: no
- Automatic lubrication: yes
- Automatic hydraulic field and wrapping: Yes
- Conveyor: front conveyor and rear conveyor (double conveyor)
- Machinery weight is **6000 kg** have been produced with the best sheet and profile quality.
- Between 35-40 pallets are used for better and serial packaging of the material.
- Used valves are Italian origin.
- The product has 2 years mechanical and parts guarantee.
- For more better and serial pressing of the materials about 35-40 transfer plates are used.

THANK YOU FOR YOUR BUSINESS

KM 200+60 BALLING MACHINE

CLASS 1: VERSION KM 200+60

TOTAL 20 UNITS AND WORKING PRINCIPLES OF THE MACHINE

21) MACHINE BALANCE AND SUPPORT LEGS

- e. First start the hydraulic motors.
- f. The machine balance and support legs are total four and work as separate units with two pairs. It ensures the balance of machine and the load on the wheels.
- g. Dual hydraulic control lever works manually are fixed in the chassis of machine.
- h. The operator needs to park the machine on balance and hard surface.

22) HORIZONTAL CARRIER CONVEYOR

- d. First, operate the hydraulic motors, and then drag down the conveyor horizontally through down button from the back of machine's fixed chassis button. The 2 communication sensors receive commands for further process.
- e. The conveyor cover and wings are opens manually by the conveyor cover open button fixed in the frame of our machine.
- f. The bed conveyor is set for the product receiving condition and as per the demand and the way of working, the product can be fed from the top with the help of the bucket or damper.

23) HORIZONTAL CONVEYOR PRODUCT OUTPUT DENSITY

APPARATUS

- c. Conveyor output density apparatus reduces or increases the speed of the conveyor according to the density of the product.
- d. It sends the product to the baling and pressing chamber of machine at the set density. Automatically communicates through sensors.

24) PRODUCT TRANSPORT VERTICAL CONVEYOR

- a) The vertical conveyor of machine moves the product to the pressing chamber.
- b) When the product density in the pressing chamber reach up to the mark, it communicates with the PLC system and automatically activates net and foil units.



25) PRODUCT PRESS ROOM

- c. Pressing chamber presses the products at diameter of 65-70 cm cylinders. The presses products weight reaches approximately 175-200 kg.
- d. After pressing, it communicates with the PLC system and automatically activates the net (foil) taking apparatus.

26) NET AND FOIL FITTING APPARATUS

- b. In our machine, the net (foil) attachment and the tables are manually attaching to the net section with the square screw.

27) NET TRANSFER APPARATUS

- b. The file (foil) transmitter automatically communicates with the sensors and PLC as per the received command provide number of layers to the files (foil).

28) NET (FOIL) COLLECTION AND PUBLISHING

- d. In our machine file (foil) collection and file (foil) publication moves together with the PLC transmitter communication. When the file section (foil) receive commands through sensors the file (foil) publication stars automatically.
- e. After completing the line tour, the sensor automatically re-assembles and collects the file (foil).
- f. After collection of the net turns, the PLC communication system give commands for cutting the file (foil) through blades.

29) NET AND FOIL SETTING COLLECTION APPARATUS

- d. The net (foil) adjustment brakes communicates with the PLC system.
- e. From start to the end of the net (foil), it provides bale tightness proportionally in the same frequency.
- f. Net (foil) transmitter, file publication unit and net cutters works in coordination with each other.



30) BALE EXECUTION CRADLE CARTS

- e. Our machine opens the chamber cover and leaves the bale on the cart enwrapped in net (foil).
- f. The bale launcher trolley communicates with PLC sensors.
- g. It move the packed materials to the stretch films section wrapping.
- h. After completion of the lap of stretch wrapper arms, PLC automatically gives the command to the stretch holder and the stretch cutter.

31) STRECH FILMS KNIFE AND STRECH FILMS HOLDER

- c. Stretch knife and stretch holder arms are activated by sensors for motion.
- d. The Stretch wrapper after completion of the rounds automatically communicates with the PLC for the bale cradle cart activation.

32) BALE WRAPPING UNIT

- f. Two wrapping arms are available in the wrapping section.
- g. Stretch wrapper settings are attached to the wrapping arms.
- h. Stretch films coils are manually attached to the apparatus. The bale carriage and the wrapping arms get information from PLC and sensors.
- i. The bale carriage package converter and the winding lever are automatically activated together with a single command, and left the bale ramp immediately after completion of the tours.
- j. There are two magnetic safety arms present and in case of living or nonliving incidence immediately stop the machine to protect itself and the operators.

33) BALE DROPIING RAMP

- d. The bale dropping movable ramp is fixed to the chassis through movable head.
- e. As the bale reach to the cradle cart and then move forward without damaging the shape of bale.
- f. The meter reader sensors automatically sends the number of bales to the touch panel and makes notes in the machine's memory. Thus, the product is ready for shipment in shape of bale.



34) SCRAPER BYPASS BASE

- c. The base scraper recollects the dropped products and send it back to the pressing chamber for repressing.
- d. Horizontal conveyor, vertical conveyor, pressing room, file (foil) transfer, the bale transporter cart works in harmony with 5 stations by communicating automatically with PLC and sensors.

35) PARALLEL SEQUENCE VALVE UNIT

- d. There are 10 row valve plates, 10 valves and locks in machine.
- e. These valves are connected with PLC, panel board and electric motor hydraulic pumps.
- f. Conveyor cover, conveyor loader, net (foil) printing, net (foil) spreader, net (foil) brake, mesh blade, bale carrier cart, package convertor, machine legs balance, consists a total of 10 mechanisms.

36) SERIAL PROPORTIONAL VALVE UNIT

- d. Dual valve plate, two valves and locks are mounted in machines.
- e. These valves are connected to the PLC panel board and electric motor hydraulic pumps.
- f. The bale compression chamber and the wrapping section get power from hydro drive motor for motion.

37) HYDRAULIC OIL TANK

- e. All hydraulic oil pressure equipment of our machine activates with electric motor mounted pumps.
- f. Two oil cooler radiators prevent oil from heating.
- g. The recycling unit is installed.
- h. Oil degree and indicator are available.

38) MOTION AXLES

- e. There are 2 cradled axles movable and 4 are fixed.
- f. When the machine get on road, the drum type brake system in the wheel operate in parallel with the intermediate hose and the brake.
- g. The maneuverability of the machine is improved with the crib axle.
- h. Pits, cascades and rainfall were beneficial.



39) MACHINE CONSTANT CONTROL PANEL

- f. Our machine's fixed control panel is equipped with the latest technology.
- g. There is one playable, adjustable, touch control panel.
- h. All equipment are interrupted by this panel.
- i. The machine has screened malfunctioning software which reports faults with text and alarm.
- j. The time, lap and speed setting on the machine are adjusted from the touch panel.

40) ON CUSTOMER REQUEST FAULT NOTIFICATION SYSTEM

- e. In case of electrical, electronic, PNS and in other hydraulic systems failures, the KOMSILAJ technical service unit via GPRS mobile SMS no matter where our machine is working, either domestic or international can be accessed. In this way an emergency fault can be settled.
- f. The operator will also be notified via mobile phone sms in case of machine malfunctioning.
- g. If the operator does not intervene because of running machine, it also sends the information to our fault notification system factory service team.
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AFTER SALE SERVICES

9. After sale, our machine has 2 years mechanical parts guaranteed.
10. No fee is charged for the parts used.
11. After the sale for a period of 10 years (with a fee) we have spare parts supply and service guarantee.
12. If there is any fault in the technical service team which cannot intervene from the center, our technical team must intervene and correct the malfunction.
13. Kom Silaj Makine (company name) technical service team 12 months of the year, 7/24 serves.
14. All materials used in our machine are available in our stock.
15. These technical services are provided through another separate company named as Komsilaj Farm Machinery and Spare Parts Ltd.şti and serves as 24/7.
16. In addition, if the customers want to buy another machine bigger than the previous one, we will get back the used machine back and will serve the customer with new one but with the decreasing cost of 1 Euro per ton.

**Other Details of the Machine**

Bale Width	65-70 cm	Number of tires	4
Bale Range	175-200 kg	Weight of the machine	7000 kg
Required electric power	17 KW	Length of the running machine	8700 mm
Driving Force	Electricity	Width of the running machine	2350 mm
Stretch size	750 mm	Height of the running machine	2700 mm
Stretch Wrapping Unit	2 Piece	Machine road length	6200 mm
Stretch Wrapping Control	Automatic	Machine road width	2350 mm
Size of the String Bag	1230-1250 mm	Machine road height	2700 mm
Check of the String Bag	Automatic	Vehicle connection	Single point draught
Machine Control	Electro Automation	Country of origin	Turkey
Pressing System	Rubber bands	Packing materials	Corn silage, beet pulp, Fruit pulp and other rough grains
Baling Capacity	50-55 bale/hour		

KM 200+60 TECHNICAL DETAILS

- Brand: Komsilaj
- Model: km 200+60 (2020)
- Type: towed
- Drive system: electric
- Package size: 65-70 cm
- Capacity: 50 bale / hour
- Required tractor power: No
- Bale weight: 175-200 kg
- Pressing system: rubber band
- Package material: Net – stretch, Folyo
- Mobile: yes
- PTO transfer: no
- Automatic lubrication: yes
- Automatic hydraulic field and wrapping: Yes
- Conveyor: front conveyor and rear conveyor (double conveyor)
- Machinery weight is **7000 kg** have been produced with the best sheet and profile quality.
- Between 35-40 pallets are used for better and serial packaging of the material.
- Used valves are Italian origin.
- The product has 2 years mechanical and parts guarantee.
- For more better and serial pressing of the materials about 35-40 transfer plates are used.

THANK YOU FOR YOUR BUSINESS

KM 500+60 BALLING MACHINE

CLASS 1: VERSION KM 500+60

TOTAL 20 UNITS AND WORKING PRINCIPLES OF THE MACHINE

41) MACHINE BALANCE AND SUPPORT LEGS

- i. First start the hydraulic motors.
- j. The machine balance and support legs are total four and work as separate units with two pairs. It ensures the balance of machine and the load on the wheels.
- k. Dual hydraulic control lever works manually are fixed in the chassis of machine.
- l. The operator needs to park the machine on balance and hard surface.

42) HORIZONTAL CARRIER CONVEYOR

- g. First, operate the hydraulic motors, and then drag down the conveyor horizontally through down button from the back of machine's fixed chassis button. The 2 communication sensors receive commands for further process.
- h. The conveyor cover and wings are opens manually by the conveyor cover open button fixed in the frame of our machine.
- i. The bed conveyor is set for the product receiving condition and as per the demand and the way of working, the product can be fed from the top with the help of the bucket or damper.

43) HORIZONTAL CONVEYOR PRODUCT OUTPUT DENSITY

APPARATUS

- e. Conveyor output density apparatus reduces or increases the speed of the conveyor according to the density of the product.
- f. It sends the product to the baling and pressing chamber of machine at the set density. Automatically communicates through sensors.

44) PRODUCT TRANSPORT VERTICAL CONVEYOR

- a) The vertical conveyor of machine moves the product to the pressing chamber.
- b) When the product density in the pressing chamber reach up to the mark, it communicates with the PLC system and automatically activates net and foil units.



45) PRODUCT PRESS ROOM

- e. Pressing chamber presses the products at diameter of 80 & 100 cm cylinders. The presses products weight reaches approximately 450-500 kg.
- f. After pressing, it communicates with the PLC system and automatically activates the net (foil) taking apparatus.

46) NET AND FOIL FITTING APPARATUS

- c. In our machine, the net (foil) attachment and the tables are manually attaching to the net section with the square screw.

47) NET TRANSFER APPARATUS

- c. The file (foil) transmitter automatically communicates with the sensors and PLC as per the received command provide number of layers to the files (foil).

48) NET (FOIL) COLLECTION AND PUBLISHING

- g. In our machine file (foil) collection and file (foil) publication moves together with the PLC transmitter communication. When the file section (foil) receive commands through sensors the file (foil) publication starts automatically.
- h. After completing the line tour, the sensor automatically re-assembles and collects the file (foil).
- i. After collection of the net turns, the PLC communication system give commands for cutting the file (foil) through blades.

49) NET AND FOIL SETTING COLLECTION APPARATUS

- g. The net (foil) adjustment brakes communicates with the PLC system.
- h. From start to the end of the net (foil), it provides bale tightness proportionally in the same frequency.
- i. Net (foil) transmitter, file publication unit and net cutters works in coordination with each other.



50) BALE EXECUTION CRADLE CARTS

- i. Our machine opens the chamber cover and leaves the bale on the cart enwrapped in net (foil).
- j. The bale launcher trolley communicates with PLC sensors.
- k. It move the packed materials to the stretch films section wrapping.
- l. After completion of the lap of stretch wrapper arms, PLC automatically gives the command to the stretch holder and the stretch cutter.

51) STRECH FILMS KNIFE AND STRECH FILMS HOLDER

- e. Stretch knife and stretch holder arms are activated by sensors for motion.
- f. The Stretch wrapper after completion of the rounds automatically communicates with the PLC for the bale cradle cart activation.

52) BALE WRAPPING UNIT

- k. Two wrapping arms are available in the wrapping section.
- l. Stretch wrapper settings are attached to the wrapping arms.
- m. Stretch films coils are manually attached to the apparatus. The bale carriage and the wrapping arms get information from PLC and sensors.
- n. The bale carriage package converter and the winding lever are automatically activated together with a single command, and left the bale ramp immediately after completion of the tours.
- o. There are two magnetic safety arms present and in case of living or nonliving incidence immediately stop the machine to protect itself and the operators.

53) BALE DROPIING RAMP

- g. The bale dropping movable ramp is fixed to the chassis through movable head.
- h. As the bale reach to the cradle cart and then move forward without damaging the shape of bale.
- i. The meter reader sensors automatically sends the number of bales to the touch panel and makes notes in the machine's memory. Thus, the product is ready for shipment in shape of bale.



54) SCRAPER BYPASS BASE

- e. The base scraper recollects the dropped products and send it back to the pressing chamber for repressing.
- f. Horizontal conveyor, vertical conveyor, pressing room, file (foil) transfer, the bale transporter cart works in harmony with 5 stations by communicating automatically with PLC and sensors.

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- g. There are 10 row valve plates, 10 valves and locks in machine.
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- g. Dual valve plate, two valves and locks are mounted in machines.
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- i. All hydraulic oil pressure equipment of our machine activates with electric motor mounted pumps.
- j. Two oil cooler radiators prevent oil from heating.
- k. The recycling unit is installed.
- l. Oil degree and indicator are available.

58) MOTION AXLES

- i. There are 2 cradled axles movable and 4 are fixed.
- j. When the machine get on road, the drum type brake system in the wheel operate in parallel with the intermediate hose and the brake.
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59) MACHINE CONSTANT CONTROL PANEL

- k. Our machine's fixed control panel is equipped with the latest technology.
- l. There is one playable, adjustable, touch control panel.
- m. All equipment are interrupted by this panel.
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- o. The time, lap and speed setting on the machine are adjusted from the touch panel.

60) ON CUSTOMER REQUEST FAULT NOTIFICATION SYSTEM

- i. In case of electrical, electronic, PNS and in other hydraulic systems failures, the KOMSILAJ technical service unit via GPRS mobile SMS no matter where our machine is working, either domestic or international can be accessed. In this way an emergency fault can be settled.
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24. In addition, if the customers want to buy another machine bigger than the previous one, we will get back the used machine back and will serve the customer with new one but with the decreasing cost of 1 Euro per ton.

Other Details of the Machine

Bale Width	80-100 cm	Number of tires	4
Bale Range	450-500 kg	Weight of the machine	11500 kg
Required electric power	38 KW	Length of the running machine	12000 mm
Driving Force	Electricity	Width of the running machine	3500 mm
Stretch size	750 mm	Height of the running machine	3400 mm
Stretch Wrapping Unit	2 Piece	Machine road length	9700 mm
Stretch Wrapping Control	Automatic	Machine road width	2800 mm
Size of the String Bag	1230-1250 mm	Machine road height	3400 mm
Check of the String Bag	Automatic	Vehicle connection	Single point draught
Machine Control	Electro Automation	Country of origin	Turkey
Pressing System	Rubber bands	Packing materials	Corn silage, beet pulp, Fruit pulp and other rough grains
Baling Capacity	50-55 bale/hour		

KM 1200-1500+60 TECHNICAL DETAILS

- Brand: Komsilaj
- Model: km 500+60 (2020)
- Type: towed
- Drive system: electric+ Generator (in built)
- Package size: 80-100 cm
- Capacity: 50 bale / hour
- Required tractor power: No
- Bale weight: 450-500 kg
- Pressing system: rubber band
- Package material: Net – stretch, Folyo
- Mobile: yes
- PTO transfer: no
- Automatic lubrication: yes
- Automatic hydraulic field and wrapping: Yes
- Conveyor: front conveyor and rear conveyor (double conveyor)
- Machinery weight is **11500 kg** have been produced with the best sheet and profile quality.
- Between 35-40 pallets are used for better and serial packaging of the material.
- Used valves are Italian origin.
- The product has 2 years mechanical and parts guarantee.
- For more better and serial pressing of the materials about 35-40 transfer plates are used.

THANK YOU FOR YOUR BUSINESS

KM 1200-1500+60 BALLING MACHINE

CLASS 1: VERSION KM 1000-1200+60

TOTAL 20 UNITS AND WORKING PRINCIPLES OF THE MACHINE

61) MACHINE BALANCE AND SUPPORT LEGS

- m. First start the hydraulic motors.
- n. The machine balance and support legs are total four and work as separate units with two pairs. It ensures the balance of machine and the load on the wheels.
- o. Dual hydraulic control lever works manually are fixed in the chassis of machine.
- p. The operator needs to park the machine on balance and hard surface.

62) HORIZONTAL CARRIER CONVEYOR

- j. First, operate the hydraulic motors, and then drag down the conveyor horizontally through down button from the back of machine's fixed chassis button. The 2 communication sensors receive commands for further process.
- k. The conveyor cover and wings are opens manually by the conveyor cover open button fixed in the frame of our machine.
- l. The bed conveyor is set for the product receiving condition and as per the demand and the way of working, the product can be fed from the top with the help of the bucket or damper.

63) HORIZONTAL CONVEYOR PRODUCT OUTPUT DENSITY

APPARATUS

- g. Conveyor output density apparatus reduces or increases the speed of the conveyor according to the density of the product.
- h. It sends the product to the baling and pressing chamber of machine at the set density. Automatically communicates through sensors.

64) PRODUCT TRANSPORT VERTICAL CONVEYOR

- a) The vertical conveyor of machine moves the product to the pressing chamber.
- b) When the product density in the pressing chamber reach up to the mark, it communicates with the PLC system and automatically activates net and foil units.



65) PRODUCT PRESS ROOM

- g. Pressing chamber presses the products at diameter of 120 & 120 cm cylinders. The presses products weight reaches approximately 1200 & 1500 kg.
- h. After pressing, it communicates with the PLC system and automatically activates the net (foil) taking apparatus.

66) NET AND FOIL FITTING APPARATUS

- d. In our machine, the net (foil) attachment and the tables are manually attaching to the net section with the square screw.

67) NET TRANSFER APPARATUS

- d. The file (foil) transmitter automatically communicates with the sensors and PLC as per the received command provide number of layers to the files (foil).

68) NET (FOIL) COLLECTION AND PUBLISHING

- j. In our machine file (foil) collection and file (foil) publication moves together with the PLC transmitter communication. When the file section (foil) receive commands through sensors the file (foil) publication stars automatically.
- k. After completing the line tour, the sensor automatically re-assembles and collects the file (foil).
- l. After collection of the net turns, the PLC communication system give commands for cutting the file (foil) through blades.

69) NET AND FOIL SETTING COLLECTION APPARATUS

- j. The net (foil) adjustment brakes communicates with the PLC system.
- k. From start to the end of the net (foil), it provides bale tightness proportionally in the same frequency.
- l. Net (foil) transmitter, file publication unit and net cutters works in coordination with each other.

70) BALE EXECUTION CRADLE CARTS

- m. Our machine opens the chamber cover and leaves the bale on the cart enwrapped in net (foil).
- n. The bale launcher trolley communicates with PLC sensors.
- o. It move the packed materials to the stretch films section wrapping.
- p. After completion of the lap of stretch wrapper arms, PLC automatically gives the command to the stretch holder and the stretch cutter.

71) STRECH FILMS KNIFE AND STRECH FILMS HOLDER

- g. Stretch knife and stretch holder arms are activated by sensors for motion.
- h. The Stretch wrapper after completion of the rounds automatically communicates with the PLC for the bale cradle cart activation.

72) BALE WRAPPING UNIT

- p. Two wrapping arms are available in the wrapping section.
- q. Stretch wrapper settings are attached to the wrapping arms.
- r. Stretch films coils are manually attached to the apparatus. The bale carriage and the wrapping arms get information from PLC and sensors.
- s. The bale carriage package converter and the winding lever are automatically activated together with a single command, and left the bale ramp immediately after completion of the tours.
- t. There are two magnetic safety arms present and in case of living or nonliving incidence immediately stop the machine to protect itself and the operators.

73) BALE DROPIG RAMP

- j. The bale dropping movable ramp is fixed to the chassis through movable head.
- k. As the bale reach to the cradle cart and then move forward without damaging the shape of bale.
- l. The meter reader sensors automatically sends the number of bales to the touch panel and makes notes in the machine's memory. Thus, the product is ready for shipment in shape of bale.



74) SCRAPER BYPASS BASE

- g. The base scraper recollects the dropped products and send it back to the pressing chamber for repressing.
- h. Horizontal conveyor, vertical conveyor, pressing room, file (foil) transfer, the bale transporter cart works in harmony with 5 stations by communicating automatically with PLC and sensors.

75) PARALLEL SEQUENCE VALVE UNIT

- j. There are 10 row valve plates, 10 valves and locks in machine.
- k. These valves are connected with PLC, panel board and electric motor hydraulic pumps.
- l. Conveyor cover, conveyor loader, net (foil) printing, net (foil) spreader, net (foil) brake, mesh blade, bale carrier cart, package convertor, machine legs balance, consists a total of 10 mechanisms.

76) SERIAL PROPORTIONAL VALVE UNIT

- j. Dual valve plate, two valves and locks are mounted in machines.
- k. These valves are connected to the PLC panel board and electric motor hydraulic pumps.
- l. The bale compression chamber and the wrapping section get power from hydro drive motor for motion.

77) HYDRAULIC OIL TANK

- m. All hydraulic oil pressure equipment of our machine activates with electric motor mounted pumps.
- n. Two oil cooler radiators prevent oil from heating.
- o. The recycling unit is installed.
- p. Oil degree and indicator are available.



78) MOTION AXLES

- m. There are 2 cradled axles movable and 4 are fixed.
- n. When the machine get on road, the drum type brake system in the wheel operate in parallel with the intermediate hose and the brake.
- o. The maneuverability of the machine is improved with the crib axle.
- p. Pits, cascades and rainfall were beneficial.

79) MACHINE CONSTANT CONTROL PANEL

- p. Our machine's fixed control panel is equipped with the latest technology.
- q. There is one playable, adjustable, touch control panel.
- r. All equipment are interrupted by this panel.
- s. The machine has screened malfunctioning software which reports faults with text and alarm.
- t. The time, lap and speed setting on the machine are adjusted from the touch panel.

80) ON CUSTOMER REQUEST FAULT NOTIFICATION SYSTEM

- m. In case of electrical, electronic, PNS and in other hydraulic systems failures, the KOMSILAJ technical service unit via GPRS mobile SMS no matter where our machine is working, either domestic or international can be accessed. In this way an emergency fault can be settled.
- n. The operator will also be notified via mobile phone sms in case of machine malfunctioning.
- o. If the operator does not intervene because of running machine, it also sends the information to our fault notification system factory service team.
- p. The operator is warned by our operator service and the failure is prevented from growing.

OUR VISION AND MISSION

Our Vision

Komsilaj envisioned to reach the market with perfectly environmental friendly machines. We have zeal and potential to reach the World market and serve for the betterment of the farmers and decrease the maximum losses.

Mission

Our products are manufactured according to the world standards latest technology with no compromise on quality. The machines are designed for ease of use and displacement. Our machines are equipped with high technology, budget friendly, efficient work and long-life values. The machine is nominated for the 1st rank among the equivalent machines in the World with its KOMSILAJ brand name. In production, research and development processes the prevalent problems on sectorial basis were taken into consideration and as a KOMSILAJ MAKINE parts combination resulted in a perfect layout.

AFTER-SALE SERVICES OF OUR KM 1000 + 60 MACHINE

25. After sale, our machine has 2 years mechanical parts guaranteed.
26. No fee is charged for the parts used.
27. After the sale for a period of 10 years (with a fee) we have spare parts supply and service guarantee.
28. If there is any fault in the technical service team which cannot intervene from the center, our technical team must intervene and correct the malfunction.
29. Kom Silaj Makine (company name) technical service team 12 months of the year, 7/24 serves.
30. All materials used in our machine are available in our stock.
31. These technical services are provided through another separate company named as Komsilaj Farm Machinery and Spare Parts Ltd.şti and serves as 24/7.
32. In addition, if the customers want to buy another machine bigger than the previous one, we will get back the used machine back and will serve the customer with new one but with the decreasing cost of 1 Euro per ton.

Other Details of the Machine

Bale Width	120-120 cm	Number of tires	4
Bale Range	1200-1500 kg	Weight of the machine	24000 kg
Required electric power	60 KW	Length of the running machine	16000 mm
Driving Force	Electricity	Width of the running machine	3500 mm
Stretch size	750 mm	Height of the running machine	4000 mm
Stretch Wrapping Unit	2 Piece	Machine road length	13600 mm
Stretch Wrapping Control	Automatic	Machine road width	3050 mm
Size of the String Bag	1230-1250 mm	Machine road height	4400 mm
Check of the String Bag	Automatic	Vehicle connection	Single point draught
Machine Control	Electro Automation	Country of origin	Turkey
Pressing System	Rubber bands	Packing materials	Corn silage, beet pulp, Fruit pulp and other rough grains
Baling Capacity	50-55 bale/hour		

KM 1200-1500+60 TECHNICAL DETAILS

- Brand: Komsilaj
- Model: km 1200-1500+60 (2020)
- Type: towed
- Drive system: electric+ Generator (in built)
- Package size: 120-120 cm
- Capacity: 50 bale / hour
- Required tractor power: No
- Bale weight: 1200 - 1500 kg
- Pressing system: rubber band
- Package material: Net – stretch, Folyo
- Mobile: yes
- PTO transfer: no
- Automatic lubrication: yes
- Automatic hydraulic field and wrapping: Yes
- Conveyor: front conveyor and rear conveyor (double conveyor)
- Machinery weight is **24000 kg** have been produced with the best sheet and profile quality.
- Between 35-40 pallets are used for better and serial packaging of the material.
- Used valves are Italian origin.
- The product has 2 years mechanical and parts guarantee.
- For more better and serial pressing of the materials about 35-40 transfer plates are used.

THANK YOU FOR YOUR BUSINESS

KM 1000-1200+60 BALLING MACHINE

CLASS 1: VERSION KM 1000-1200+ 60

TOTAL 20 UNITS AND WORKING PRINCIPLES OF THE MACHINE

81) MACHINE BALANCE AND SUPPORT LEGS

First start the hydraulic motors.

The machine balance and support legs are total four and work as separate units with two pairs. It ensures the balance of machine and the load on the wheels.

Dual hydraulic control lever works manually are fixed in the chassis of machine.

The operator needs to park the machine on balance and hard surface.

82) HORIZONTAL CARRIER CONVEYOR

First, operate the hydraulic motors, and then drag down the conveyor horizontally through down button from the back of machine's fixed chassis button. The 2 communication sensors receive commands for further process.

The conveyor cover and wings are opens manually by the conveyor cover open button fixed in the frame of our machine.

The bed conveyor is set for the product receiving condition and as per the demand and the way of working, the product can be fed from the top with the help of the bucket or damper.

83) HORIZONTAL CONVEYOR PRODUCT OUTPUT DENSITY

APPARATUS

Conveyor output density apparatus reduces or increases the speed of the conveyor according to the density of the product.

It sends the product to the baling and pressing chamber of machine at the set density.

Automatically communicates through sensors.



84) PRODUCT TRANSPORT VERTICAL CONVEYOR

The vertical conveyor of machine moves the product to the pressing chamber.

When the product density in the pressing chamber reach up to the mark, it communicates with the PLC system and automatically activates net and foil units.

85) PRODUCT PRESS ROOM

Pressing chamber presses the products at diameter of 100 & 120 cm cylinders. The presses products weight reaches approximately 1000 & 1200 kg.

After pressing, it communicates with the PLC system and automatically activates the net (foil) taking apparatus.

86) NET AND FOIL FITTING APPARATUS

In our machine, the net (foil) attachment and the tables are manually attaching to the net section with the square screw.

87) NET TRANSFER APPARATUS

The file (foil) transmitter automatically communicates with the sensors and PLC as per the received command provide number of layers to the files (foil).

88) NET (FOIL) COLLECTION AND PUBLISHING

In our machine file (foil) collection and file (foil) publication moves together with the PLC transmitter communication. When the file section (foil) receive commands through sensors the file (foil) publication stars automatically.

After completing the line tour, the sensor automatically re-assembles and collects the file (foil).

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89) NET AND FOIL SETTING COLLECTION APPARATUS

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Net (foil) transmitter, file publication unit and net cutters works in coordination with each other.

90) BALE EXECUTION CRADLE CARTS

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It move the packed materials to the stretch films section wrapping.

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95) PARALLEL SEQUENCE VALVE UNIT

There are 10 row valve plates, 10 valves and locks in machine.

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40. In addition, if the customers want to buy another machine bigger than the previous one, we will get back the used machine back and will serve the customer with new one but with the decreasing cost of 1 Euro per ton.

**Other Details of the Machine**

Bale Width	110-120 cm	Number of tires	4
Bale Range	1000-1200 kg	Weight of the machine	16000 kg
Required electric power	60 KW	Length of the running machine	14000 mm
Driving Force	Electricity	Width of the running machine	3500 mm
Stretch size	750 mm	Height of the running machine	3800 mm
Stretch Wrapping Unit	2 Piece	Machine road length	11000 mm
Stretch Wrapping Control	Automatic	Machine road width	3050 mm
Size of the String Bag	1230-1250 mm	Machine road height	3800 mm
Check of the String Bag	Automatic	Vehicle connection	Single point draught
Machine Control	Electro Automation	Country of origion	Turkey
Pressing System	Rubber bands	Packing materials	Corn silage, beet pulp, Fruit pulp and other rough grains
Baling Capacity	50-55 bale/hour		



KM 1000 + 60 TECHNICAL DETAILS

- Brand: Komsilaj
- Model: km 1000-1200+60 (2020)
- Type: towed
- Drive system: electric
- Package size: 110-120 cm
- Capacity: 50 bale / hour
- Required tractor power: No
- Bale weight: 1000-1200 kg
- Pressing system: rubber band
- Package material: Net – stretch, Folyo
- Mobile: yes
- PTO transfer: no
- Automatic lubrication: yes
- Automatic hydraulic field and wrapping: Yes
- Conveyor: front conveyor and rear conveyor (double conveyor)
- Machinery weight is 16000 kg have been produced with the best sheet and profile quality.
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