



DISC MOWERS

**REAR, FRONT, TRAILED
DOUBLE-SIDED AND COMBINATIONS**

DRUM MOWERS

REAR



39 years
of experience

Fodder made of grass is one of the best and at the same time the cheapest nourishment for livestock. By using the proper equipment it is possible to reach the swath, which can be easily processed to very nutritious fodder for cows.

SaMASZ agricultural machines guarantee of reaching the most valuable fodder from the mowed area. Solutions used in our machinery have been developed by SaMASZ engineers for 39 years. For a long time they have been one of the most desired equipment, sought all over the world, because owing to them the fodder will suffice for longer time. It happens, because we have developed the whole technological process of harvest in the slightest detail.

TABLE OF CONTENTS

PAGE

LiteCUT cutterbar	4
SAMBA disc mowers	5
SAMBA F disc mowers	6
ALPINA disc mowers	7
PerfectCUT cutterbar	8-9
KDT disc mowers	10 - 11
KDTC disc mowers	12 - 13
KT disc mowers	14 - 17
XT disc mowers	18 - 19
KDC trailed disc mowers	20 - 21
KDF and XT-F front disc mowers	22 - 23
KDD disc mowers	24 - 33
Rear 2-drum mowers	34 - 35
Ilage edge compactor	IMPACT 36

LiteCUT

EcoCUT cutterbar is another model of the cutterbar installed in lightweight mowers - SAMBA. Designed for operation on smaller farms and on hilly areas. Completely new design provides reliability, high durability and precise cutting line, and all that with reduced power demand.

Design

- lightweight, durable, bolted
- thick, 5 mm / 13/64" steel shell

Hardened gearbox slide

- cutterbar's drive protection

Sliding skid

- hardened
- extend machine's life
- easy to replace



Disc module with SafeGEAR system

- additional protection for gears inside the cutterbar
- strong, sealed bearings
- quick and easy module replacement even in the field
- reusable after key replacement



SafeGEAR protection system

- sheared key safety feature as standard

Gears - 18 mm / 45/64" thickness

- precisely ground and fitted enable ideal drive transmission and silent work
- protected by SafeGEAR system
- set on closed 2RS bearings

Hardened blades

(L=105 mm / 4 9/64")

- SaMASZ logo proves the highest quality
- quick blade replacement feature



Samba 160, Samba 200, Samba 240, Samba 280, Samba 320



Rear, lightweight disc mower SAMBA with working widths from 1,60 up to 3,20 m (5'2" to 10'6") is designed to operate on smaller farms. Mower works well in hilly as well as swamp areas,

where machines and tractors weight is of great importance. The use of modernized pressure relief system allows for optimal ground pressure adjustment.



Advantages of Samba mowers:

- light weight design
- lower power demand with comparable alternative drum mower
- new EcoCUT cutterbar
- regulated rear and front guards significantly facilitate replacement of cutting knives
- rubber swath guides available as option
- setting up: the transport, operating or rest positions by means of hydraulic cylinder

SAMBA mowers equipped with SaMASZ EcoCUT cutterbar features, quick knife replacement system, hardened discs and slides, central knife holder and strengthened load-bearing bushings. In addition, central knife holders design has a great influence on cleaning the cutterbar.



Front disc mower **SAMBA F**

SAMBA 220 F, SAMBA 240 F, SAMBA 260 F, SAMBA 280 F, SAMBA 320 F



Front disc mower **ALPINA**

ALPINA 221, ALPINA 261, ALPINA 301



Advantages of the Samba disc mower:

- equipment options (with or without swath guides)
- high level of ground following
- use of a hitch triangle for quick and easy coupling and uncoupling of the machine to the tractor
- easy adjustment of the cutterbar load relief system for accurate mowing and protection of the turf
- possibility of installing topping skids
- drive transmission directly onto the cutterbar to eliminate power loss and make efficient use of the entire width of the cutterbar



Advantages of the Alpina disc mower:

- lightweight and robust design
- adjustable swath width and mowing height from 4.5 cm to 7 cm and optional
- extension by up to 3 cm with high mowing skids
- Perfect ground tracking in three planes and minimal ground pressure guarantee even cutting without damaging the turf
- convenient transport with foldable side covers
- ease of use due to the possibility of changing the direction of rotation by returning the gearbox and cooperation of the machine with tractors with left or right PTO rotation
- quiet operation
- low operating costs (most maintenance repairs can be carried out in-house)



Cutterbar

PerfectCUT

PerfectCUT cutterbar :
KDT, KDTC, KT, XT, KDC, TORO, KDF, KDD, KDD-R, and combinations
MegCUT and GigaCUT

Based on experience of our customers around the world we have introduced to our production the Perfect CUT cutterbar. Precise cut, high durability of components, protection against sudden disc stoppage in case of coming onto an obstacle, quick and easy disc module replacement owing to modernized upper hub are the main advantages of Perfect CUT cutterbars.

Replacable inserts

- additional cutterbar protection

Hardened discs

- improved shape of the disc increases its thickness and enables perfect material flow
- high resistance to wear
- easy replacement

Topping plates (option)

- increases cutting height - 9 / 12 cm / 4"
- bolted to the sliding skid
- easy replacement

Hardened, slide wear plates

- additional slide protection
- exchangeable with topping skids
- easy to mount

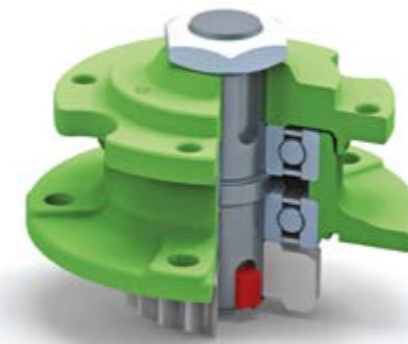
Hardened slides

- reduce work resistance force
- shape and form enhance lower fodder contamination
- underside protection of the cutterbar

Stepless adjustment of cutting height (from 4,5 cm / 1 3/4" to 7 cm / 2 3/4") as standard

- setting the machine to standard cutting height from 4,5 cm / 1 3/4" (from 2° to 0°) enables ideal adjustment of the mower to working conditions (optionally topping skids and double topping skids enable cutting height up to 12 cm / 5")
- proper adjustment of cutting height (min. 6 cm / 2 1/8" recommended) has a great influence on the quality of cut hay and on the condition, height and the rate of growth of next crops:
- leaving longer stems ca. 7 cm / 2 3/4" decreases the risk of fodder contamination by other machines (tedder, rake, baler) thanks to longer distance from the ground
- grass cut too low (lower than 5 cm / 2") weakens the crop and decreases the rate of re-growth. Next crops have less volume and have lower nutritional value

α 0° - h 6,8 cm
 α 3° - h 5,3 cm
 α 5° - h 4,4 cm



Disc module with **safeGEAR** system

- additional protection for gears inside the cutterbar
- strong, double - sealed bearings
- quick and easy module replacement even in the field
- reusable after key replacement

Design

- robust, strong and durable
- fully welded
- thick, 6 mm / 15/64" steel shell

Hardened discs

- special shape improves smooth crop flow and reduces workload
- high abrasion and wear resistance,
- easy to replace

360°

System **safeGEAR**

- protection system
- sheared key safety feature as standard



Gears - 25 mm thickness

- precisely ground and fitted enable ideal drive transmission and silent work
- protected by **safeGEAR** system
- set on closed 2RS bearings

Hardened knife holder pins

- modernized shape of the pin increases knife stability
- longer resistance to wear thanks to Geomet® coating
- separate, replaceable element of the cutting disc

Central knife holder

- improved shape of the holder enables thorough cleaning of the cutterbar
- made of high quality hardened steel
- 360° range of rotation
- quick and easy replacement

Hardened knives (L=110 mm / 4 1/3")

- SaMASZ logo proves the highest quality
- quick blade replacement with special mounting lever

Knife mounting lever

- quick and easy blade replacement

Rear disc mowers **KDT**

KDT 220, KDT 260, KDT 300, KDT 340, KDT 341



*Perfect***CUT**

KDT is the most frequently purchased range from SaMASZ offer. Since the beginning of their introduction to the market, KDT mowers have been used by thousands of customers around the world. Made of best quality materials are a reasonable choice even for the most demanding customers. The machine can be equipped with light-weight conditioner with plastic tines (SL version), which is 25 kg (55 lbs) lighter than the standard one.

Mechanical safety breakaway device (with hardened inserts)

In case of hitting an immovable obstacle the breakaway device is pulled out of its housing and the mower folds back giving time to stop working and evade the obstacle. The force, at which, the device will operate is regulated by means of a coil spring. Breakaway device is set by the manufacturer and ensures proper and faultless work.

Support mechanism when taking turns on headlands.

Owing to this system an operator does not have to pay attention to the height to which he lifts the machine. It also saves time, crucial during forage pick-up.

Swath guides as standard equipment

The swath guides perfectly separate the swath from the field. They protect the forage against contamination.

Transport and operation

Lighter and stronger suspension as well as hydraulics facilitate manoeuvring and transport.

Switching from working to transport position by means of hydraulic cylinder.

For the time of transport, there are following safety features:

- Mechanical lock
- Hydraulic cylinder shutoff valve



Precise cut

KDT 220 W, KDT 260 S, KDT 260 W



*Perfect***CUT**

- V-belts – the drive is transmitted through V-belts, which also function slip as clutch.
- New gearbox – 60% stronger and 200% more durable transmits the drive from V-belts to cutterbar.
- Replaceable, protective sliding skids, made of hard-wearing steel.

Support springs

Enhanced coil springs unload ground pressure and reduce resistance during work.

Conditioner

Using tine conditioner decreases plant nutrition losses and increases swath density. When mowing caney crops the best effects are reached with roller conditioners.



* S - tine conditioner W - roller conditioner

Rear disc mowers **KDTC**

KDTC 261, KDTC 301, KDTC 341



KDTC mowers have been the first disc mowers with central suspension in our offer. They have been manufactured since 2008 and have gone through modernization in order to be up to the present market demands. Developed and thought-through

design is an economic alternative to KT mowers. Unlike KT mowers, KDTC mowers have no possibility of applying hydropneumatic suspension. They feature a single transport position (KT has 3 positions).

- 1 Central suspension**
- work unit located in the center of gravity - even support across the whole cutterbar width,
 - perfect ground following enabling work on uneven ground

- 2 Safety guard**
- lifted for easier maintenance
 - safety curtain - protects against stones
 - resistant to weather conditions
 - foldable side cover narrows down the transport height



3 PerfectCUT Cutterbar
*more on p. 8-9

- 4 Support springs**
- adjustable work unit support - high level of ground following

- 5 Patented latch**
- unique mechanical solution
 - reliable and easy in operation
 - three modes:
- transport, work, parking

- 6 Hydraulic safety breakaway device**
- protection of mower against damage
 - if obstacle is hit the unit is retracted by 24° and at the same time lifted by approx. 35 cm / 1'2"

Hydraulic safety breakaway device

KDTC mowers have the same hydraulic safety breakaway device as double-sided mowers. It protects the mower against hitting immovable obstacles. In the event of hitting an immovable obstacle the cutterbar folds back about 30° and at the same time rises about 35 cm (1'2"). Afterwards, the cutterbar automatically comes back to its working position.



Positions: transport and rest

Putting the mower into transport and rest positions by means of hydraulic cylinder and patented latch mechanism.



Exceptional ground following

KDTC 301 S, KDTC 301 W



Advantages of KDTC mowers:

- PerfectCUT cutterbar
- mechanical latch mechanism, as a support when taking turns on headlands
- regulated, drop speed of the cutting unit
- regulated swath guides
- central suspension enables even ground pressure and perfect ground following
- wide range of inclination (up to 24 degrees) enables operation on uneven or steep terrain

Drive

The drive from tractor to cutterbar gearbox is transmitted through PTO shaft with friction clutch, which protects the cutterbar against damage.



* S - tine conditioner W - roller conditioner

Rear disc mowers **KT**

KT 261, KT 301, KT 341



PerfectCUT

High operating speed, modern design, quick knife replacement system, central spring or hydropneumatic suspension, 3 transport positions - these are only a few advantages of KT disc mowers!

Hydraulic safety breakaway device

Central suspension system is integrated with hydraulic safety breakaway device, which protects the mower against hitting immovable obstacles. In the event of hitting an immovable obstacle the cutterbar folds back and at the same time rises about 50 cm (1'8"). Afterwards, the cutterbar automatically comes back to its working position.

Central suspension

Main advantages of central suspension are even balance, perfect ground following and wide range of inclination (up to 24 degrees) enabling operation on an uneven grounds and in every conditions. Ground pressure can be relieved by means of springs or hydraulic pressure relief system (hydropneumatic suspension).

Transport

The most important advantage of KT disc mowers, is possibility to transport the machines in three different positions: A-upwards (at the side of the tractor), B-upwards (behind the tractor) and C-horizontally (behind the tractor). It is possible to drive through narrow roads in the woods or drive under a viaduct or underpass.



Same solutions for all models

KT 261 W, KT 301 S, KT 301 W



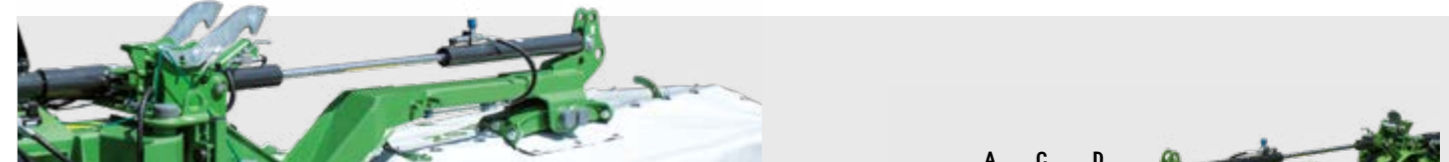
PerfectCUT

Hydropneumatic suspension

Thanks to hydropneumatic suspension, an operator can easily adjust ground pressure of the cutterbar by means of tractors hydraulics. Owing to that the ground pressure is always the same (no matter how the terrain is shaped). Hydropneumatic suspension is a perfect solution on weak, peat meadows, especially during mowing of the first cut. It allows to adjust required ground pressure - from 70 kg (155 lbs) and provide excellent protection to the turf and the cutterbar.

Safety guards

- all safety guards and curtains comply with european safety standards.
- protective tube – increases life span of safety curtain protecting it against wearing by the grass during operation „A”
- buckles – enable quick and easy safety curtain release „B”
- guard's regulation – enables lifting and locking in different positions, helpful during quick knife replacement „C”
- lifted side guard – lower transport high, possibility to work closer to barriers „D”



Latch mechanism

Innovative, patented latch mechanism enables setting the mower in three different positions, depending on operation mode: operation-rest-transport. Suitable position can be set from tractor's cabin by means of a cord.

Regulated hitch pins

Headstock is equipped with regulated lower hitch pins (side shift is possible).

Manometer

Manometer shows oil pressure in hydraulic system, which reflects actual ground pressure. Setting ground pressure is regulated by means of a lever from tractor's cabin.



Unique quality of forage



Tine and roller conditioners

KT 261 W, KT 301 S, KT 301 W



Advantages of tine conditioners:

- several times faster grass drying owing to breaking wax layer on a leaf blade
- cutting wax layer through, facilitates „grass breathing”, which reduces losses in plants nutrition value, and increases swath density
- elimination of tedding (fewer drives)
- free presentation of material in wide swath, as well as reducing and balancing its density enables easy pick up for baler or self-collecting trailer
- increased space between tine shaft and conditioner’s hood to improve material throughput at extremely high harvest
- swath width adjustment by swath guides



Tine conditioner with new V-claw tine:

- swing mounting allows for the tine to move back when it comes across an obstacle
- increases durability of the bolts owing to limited range of tine’s movement
- special shape of the tine prevents the hit against the shaft
- lowers the power demand thanks to better flow of the material

V-claw tine:

- increased conditioning intensity thanks to tine’s angle
- better effect of forage reversing
- long diameter of conditioner’s shaft enables easy operation even with high density of material
- ideal aeration of the material with a guarantee of evenly formed swath

Integrated gearbox

KT 301 S mowers have been equipped with integrated gearbox, which apart from the cutterbar also drives the conditioner. Providing two speed rates: 700 and 1000 rpm.

Tines

Enhanced V-shaped tines are made of hard-wearing steel. Properly balanced tine weight and helical arrangement on the tine shaft provide their effective operation in the heaviest crops. There is a fixed and pivot tine mounting option.

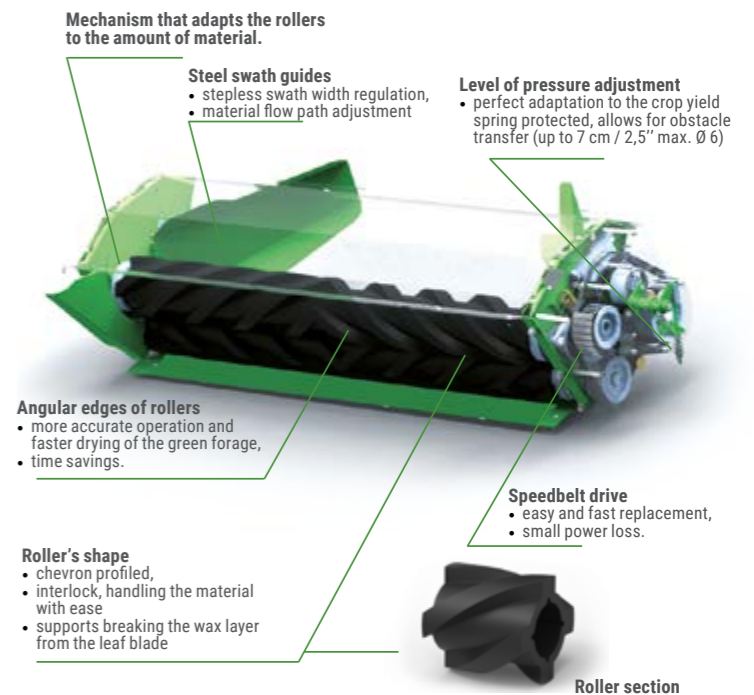
Swath width adjustment in mower conditioner

Obtaining narrow swath is possible owing to application of additional drums or by swath guides (Fig. 1). Wide swath provides faster and more balanced grass drying process (Fig. 2).



Advantages of roller conditioners

- wide rollers along the cutterbar increase efficiency of crushing stems of caney crops
- rubbing wax from stem’s layer and at the same time pressing them out increase drying process
- an inclination of upper roller towards the cutterbar enables better forage pick-up
- chevron-profiled conditioner rollers interlock to crimp, rub and crush the crop at great intensity
- the rollers are driven by:
 - upper roller – heavy duty bevel belt
- Upper roller is suspended on two rockers with clearance regulation by means of springs. It is easy to adapt the roller clearance and pressure to the current crop yield and variety. This solution enables conditioning of large forage crops and their even breaking throughout the whole roller’s width. Clearance between the rollers enables stone transport up to 6 cm (2 1/3”) diameter.



Replacement of the cutting blades

With the special wrench supplied as standard, the cutting knives can be replaced quickly.



* S - tine conditioner W - roller conditioner

Rear disc mowers XT

XT 340, XT 390

Precise cut



PerfectCUT

SaMASZ XT disc mower - you'll cut more, better, and more comfortably! Modern design of the XT completely changes the quality of work and convenience of transport. This mower,

similarly to other SaMASZ models, does not damage the turf, and minimises the level of dirt, so the harvested feed is of the highest purity.

Safety guard

- lifted for easier maintenance
- safety curtain - protects against stones
- resistant to weather conditions
- lifted side guard decreases transport height

PerfectCUT Cutterbar

*more on p. 8-9

125° inclined transport position

- decreases transport height to 3,98 m / 13'2" with 3,90 / 13' working width
- increased stability during transport thanks to balanced centre of gravity
- improved visibility in side mirrors

Unique safety breakaway device

- hydraulic breakaway device integrated with headstock and body of the machine
- swing back of the cutterbar on the first disc is of about 50 cm / 1'8" with rise of about 30 cm / 1' (highest range on the market)
- automatic re-setting of the cutterbar to working position

Hitch height indicator

- helps to adjust the height of the hitch
- easily visible from tractor's cabin

Warning plates with LED road lights

in standard equipment

Hydropneumatic suspension

- innovative hydropneumatic lightening system
- integrated with hydraulic safety breakaway device and lifting cylinder
- operated by steering panel directly from tractor's cabin

KENNFIX hydraulic connector

- easier connection of hydraulic hose
- prevents from wrong connection

Support stands

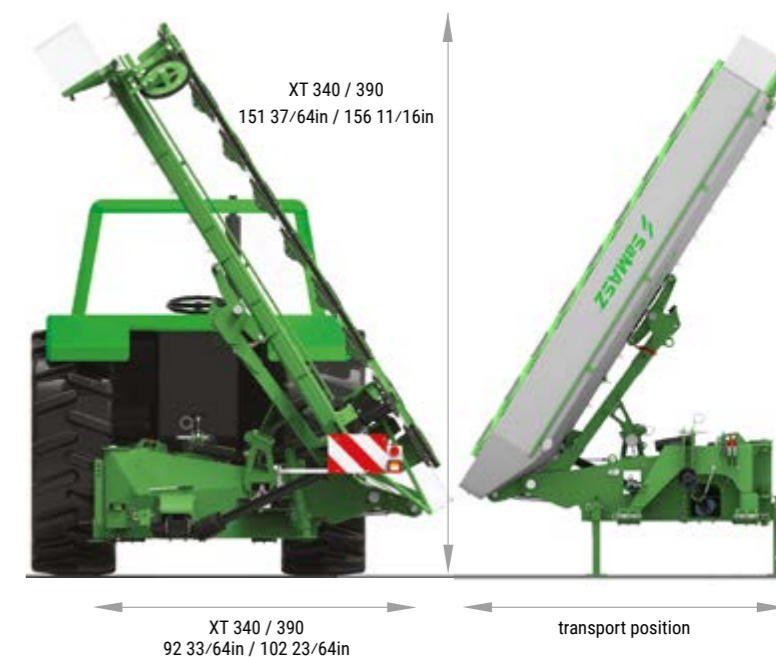
- 4 stands, allows to park the machine in transport position
- saves space considerably

Transport

Another strong point of the XT 390 is its transportability in an inclined position, ensuring safer driving and easier manoeuvrability on both public roads and narrow dirt roads. A great advantage of this machine is its height, which does not exceed 4 m (13'2"), so, according to the traffic law, it does not require any additional markings or permits. In addition, the XT 390 in the standard version allows the machine to be parked in a stable transport position on four feet.

Hydro-pneumatic suspension

Thanks to its hydro-pneumatic suspension, the operator can use the tractor's hydraulics to quickly adjust the pressure of the cutting bar on the ground, so that, regardless of the terrain, the pressure on the ground is always the same. A large and easily visible pressure gauge informs the operator of the pressure in the hydro-pneumatic system. Another advantage is the possibility to adjust the pressure without leaving the tractor cab, thereby adjusting the load to the conditions.



Central suspension

The main advantage of central suspension is its even weight distribution, perfect ground following, and large tilting range (up to 24°), which makes it easy to use on uneven terrain, and allows optimum driving in all conditions.

Trailed disc mowers

KDC 300, KDC 340, KDC 390, KDC 430



PerfectCUT

Our design of trailed mowers with central drawbar allows working on both sides of the tractor. It helps to save time when taking turns. KDC mowers can be additionally equipped with tine or roller conditioner and belt conveyor for swath transportation.

Wide-angle PTO shaft

Wide-angle PTO shaft, if greased every 8 hours, has a warranty for 1000 man-hours!

Driveshaft

Driveshaft inside the drawbar is with no doubt an innovative solution, which has a great effect on extending its life.

Suspension

Wide frame rocker provides stable cutterbar operation.

Pivoting gearbox

- change of rpm from 540 to 1000
- by rotating main gearbox 180°



Suitable for most demanding conditions

KDC 301 S, KDC 301 W, KDC 340 S, KDC 341 W



PerfectCUT

Mowing at both sides

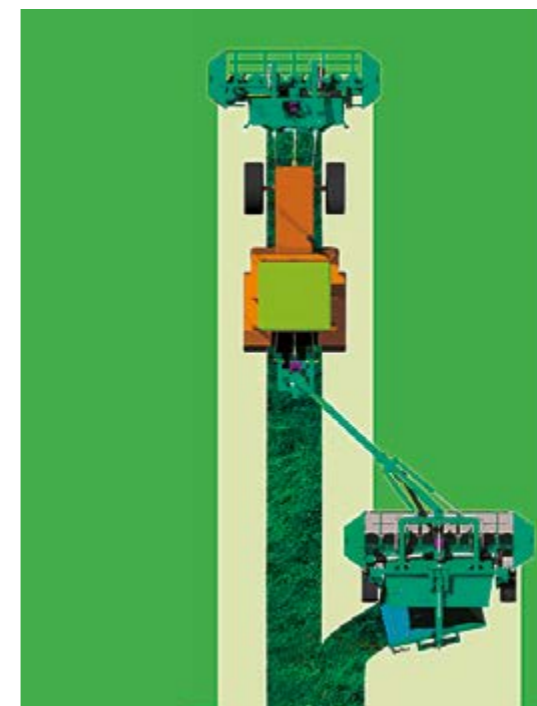
Long and center-mounted drawbar is ideal for up and down operation. Changing sides is easy and convenient from the tractor seat. Single-acting cylinders swing the mower over to the other side in up and down operation and swing it centrally behind the tractor in transport position. The center-mounted pivoting drawbar allows mowing up and down the field in either direction.

Wide tires

Mower is equipped with wide tires ensuring excellent adhesion and stability. As the machine operates on soft grounds, slopes or water-soaked fields it runs on tires that provide light treading to protect the turf. Mounted at a 3° angle, the wheels effectively roll, in direction of travel without pulling to the side.

Belt conveyor merger

The merger conveys the material onto the existing windrow or next to it to form a double windrow which can be easily picked up by the following harvester. Feeding the crop onto the windrow without the material ever touching ground, the belt conveyor ensures clean forage without losses. Therefore save your time, increase your efficiency, reduce the number of passes and the risk of soil compaction.



* S - tine conditioner W - roller conditioner

Front disc mowers **KDF**

KDF 300, KDF 340, KDF 390
KDF 301 S, KDF 301 W, KDF 341 S, KDF 341 W



PerfectCUT

KDF front disc mowers could be a perfect alternative for rear mowers due to good visibility during operation and transport. Extended frame and coil springs of long travel enable very good ground following and proper ground pressure. Can be successfully combined, with rear unit, making a very economic set.

Tine or roller conditioner

Easy to equip with either tine conditioner or rollers. There are also available conditioner tines made of plastic. Particularly important when unit's weight is of great importance. Weight reduction positively affects its working performance on soft and soaky fields.

Advantages and equipment of KDF mowers:

- mounting triangle as a standard equipment
- PTO shaft with overrunning and friction clutch as a standard equipment
- mechanical lock for safe transport
- extended suspension frame and coil springs with long travel enable better ground following (+250 mm, - 150 mm)(+10", - 6") and proper ground pressure adjustment
- hydraulic cylinders as a standard equipment – facilitate lifting to transport position
- cutting height indicator as a standard equipment
- PTO safety guard protects the shaft against dirt and fast wear
- flow divider enables balanced drop and lift of the cutterbar with the use of only one single-acting coupler
- swath width regulated by swath guides
- quick and easy adaptation into clockwise rotation of the front PTO
- good visibility during operation and transport



KDF 301S

Economical and efficient

XT-F 262, XT-F 302, XT-F 342



PerfectCUT

XT-F disc mower is designed as a stand-alone mower or as a complement to rear mowers. Thanks to its compact design and spring relief, it is light and energy efficient. The load is relieved by means of precisely selected springs, so that the mower adapts very well to the terrain and protects the turf

from damage. XT-F is equipped with a double-plane transverse ground tracking system that makes it perfect for selecting transverse irregularities of up to $\pm 10^\circ$, as well as for tilting when encountering an obstacle.

Advantages and equipment of XT-F mowers:

- stepless regulation of cutting height
- use of topping skids possible or double topping skids
- Perfect ground following also on uneven and steep terrain
- light weight design - smaller pressure on the ground
- work with forage collecting machines (self-collecting trailers, balers) possible
- foldable side guards for comfortable transport



MegaCUT

KDD 861, KDD 912, KDD 941

Combination for demanding farmers



MegaCUT



PerfectCUT

MegaCUT is a set of mowers for demanding farmers, who value their time and money. Working efficiency from 10 ha/h (25 ac/h) and low power demand prove, the combination can be operated even on middle-sized farms with tractor's power

starting from 150 HP. It is an excellent alternative to expensive self-propelled mowers. MegaCUT set is a perfect solution for large farms. Thanks to their high productivity and working width, cutting of large areas does not take a great deal of time.

Central suspension

- work unit located in the center of gravity - even support across the whole cutterbar width,
- perfect ground following enabling work on uneven ground.

PTO shaft with friction clutch

- drive from the central gearbox to the cutterbars is transmitted through PTO shafts with overrunning friction clutch, which secure cutterbars from damage

Advantages and equipment of MegaCut set:

- PerfectCUT cutterbars with quick knife replacement system
- protection against stones (quick disc module replacement in case of obstacle collision)
- central suspension
- support springs reduce ground pressure and limit mowing disturbances
- hydropneumatic suspension as an option
- integrated gearbox (only with conditioner)
- Hydraulic safety breakaway device protects the mower against hitting immovable obstacles. In the event of hitting an immovable obstacle the cutterbar folds back and at the same time rises about 50 cm (1'8"). The cutterbar automatically comes back to its working position once the obstacle is passed.
- adjustable swath guides
- electronic control panel
- lock mechanism for safe transport transport
- 3-point hitch Cat. II and III

Ground pressure suspension system

- adjustable work unit support - high level of ground following
- spring system - standard
- hydropneumatic - option

Warning plates

with LED road lights (standard)

KENNFIX hydraulic connector

Central suspension

- work unit located in the center of gravity - even support across the whole cutterbar width
- perfect ground following enabling work on uneven ground

Safety guard

- lifted for easier maintenance
- safety curtain - protects against stones
- resistant to weather conditions
- lifted side guard decreases transport height

4 support legs

- support legs enable parking of the machine in transport position
- saves space considerably

Hydraulic safety breakaway device

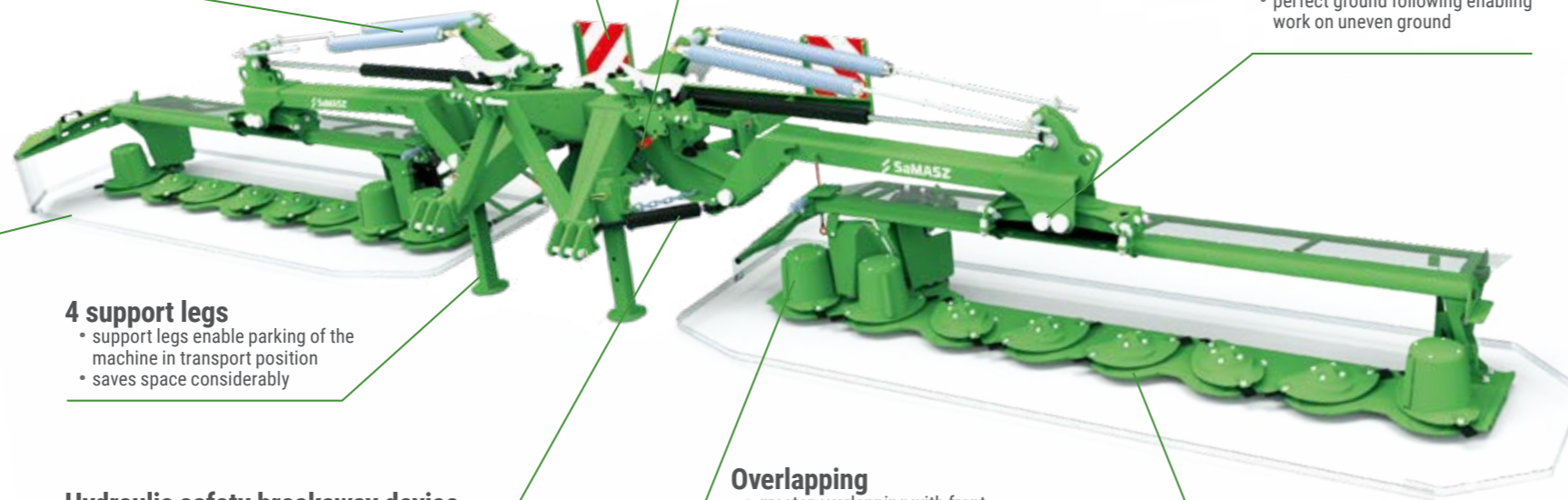
- protection of mower against damage
- if obstacle is hit the unit is retracted by 24° and at the same time lifted by approx. 35 cm / 1'2"

Overlapping

- greater overlapping with front mower thanks to shifting the cutterbars closer to the hitch
- cleaner cut on slopes and turns

PerfectCUT Cutterbar

*more on p. 8-9



GUINNESS WORLD RECORD
96.2 ha / 237 acres of mowed grass
in 8 hours - MegaCUT 941

Lots of possibilities to collect the crop

KDD 861, KDD 912, KDD 941



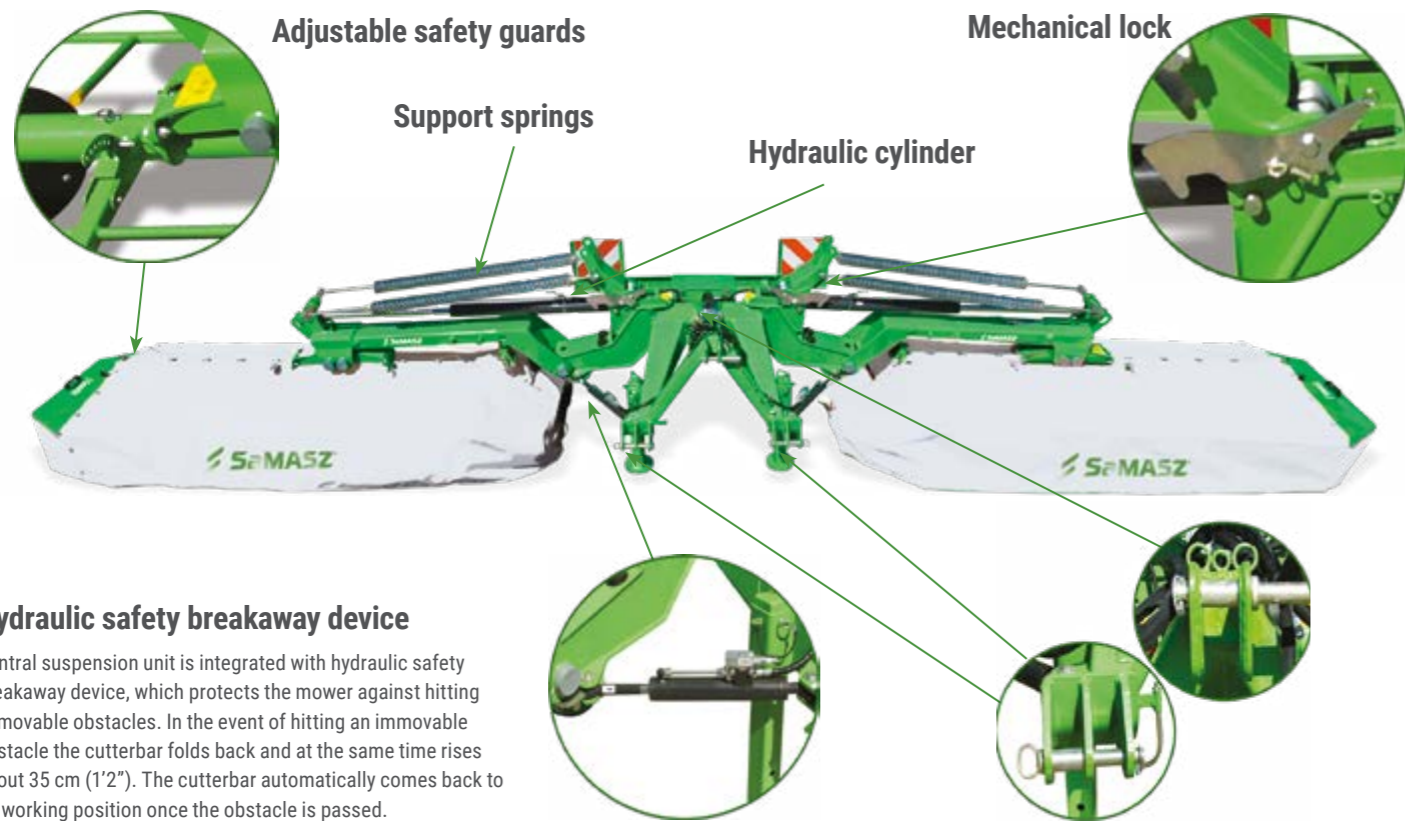
MegaCUT

Reverse system tractors

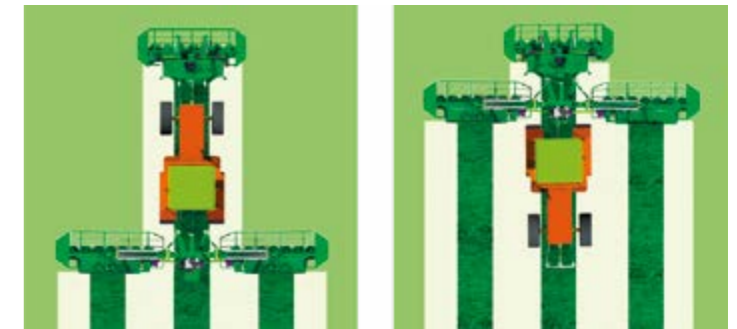
KDD-R 861, KDD-R 941, KDD-R 861 S, KDD-R 941 S



PerfectCUT



In case of using tractor with revers system, KDF front mower can be mounted on KDD-R joint frame. Such solution considerably improves operating comfort and work efficiency of mower set.



Overlapping of cutting units

Overlapping of front and rear mowers is factory set for 375 mm (1' 2/5"). MegaCUT set always presents three windows.



Electronic control panel

Control panel is installed in operators cabin, which allows convenient control over position of rear mowers on headlands and during transport.



Transport position

Lowered pivot point allowed for transport height reduction, (less than 4 m / 13'), what ensures safe and comfortable operation on public roads.



GigaCUT set

KDD 861 S, KDD 861 WT, KDD 941 S, KDD 941 WT

Flagship product

KDD 861 ST, KDD 861 WT, KDD 941 S T, KDD 941 WT



Economy of mowing together with high efficiency is the best description of GigaCUT sets. They have been designed to work on large farms in the toughest conditions possible. GigaCUT combination consists of double-sided mower KDD 861 S/W or

941 S/W and front mower KDF300 S/W or KDF 340 S/W + belt conveyors. Owing to tine or roller conditioner, use of tedder and rake is no longer necessary besides that is a perfect alternative to self-propelled mowers.

Belt conveyor

- enables forming a swath out of three mowers
- decreases the time of forage harvest - no need of using the rake
- the drive and adjustment of rotation speed by means of own hydraulic unit

Tine conditioner with V-claw tines

- accelerates drying
- less tractor drives
- harvest economy

Integrated gearbox

- direct drive of the cutterbar and the tine conditioner
- easy and simple change of rpm (700/1000 rpm/min) with a handle
- enables adjusting of conditioning to the field conditions

KENNFIXX hydraulic connector

4 support legs

- support legs enable parking of the machine in transport position
- saves space considerably

Warning plates with LED road lights

Close-up sensors

- adjustable
- provides easier working on headlands

Own hydraulic unit

- for conveyor drive
- for relieving tractor hydraulics

Ground pressure suspension system

- adjustable work unit support - high level of ground following,
- spring system - standard
- hydropneumatic - option

PerfectCUT Cutterbar

*more on p. 8-9

Hydraulic safety breakaway device

- protection of mower against damage
- if obstacle is hit the unit is retracted by 24° and at the same time lifted by approx. 35 cm / 1'2"

Advantages and equipment of GigaCut set:

- PerfectCUT cutterbar with quick knife replacement system
- protection against stones (quick disc module replacement in case of obstacle collision)
- central suspension
- 4 support springs reduce ground pressure and limit mowing disturbances
- hydropneumatic suspension as an option
- integrated gearbox
- Hydraulic safety breakaway device protects the mower against hitting immovable obstacles. In the event of hitting an immovable obstacle the cutterbar folds back and at the same time rises about 50 cm (20"). The cutterbar automatically comes back to its working position once the obstacle is passed.
- adjustable swath guides
- electronic control panel
- latch mechanism for safety during transport
- own hydraulic and cooling system



Lots of possibilities

KDD 861 S, KDD 861 W, KDD 941 S, KDD 941 WT



High efficiency

KDD 861 ST, KDD 861 WT, KDD 941 ST, KDD 941 WT



PTO shaft with friction clutch

Drive from the central gearbox to the cutterbars is transmitted through PTO shafts with overrunning friction clutch, which secure cutterbars from damage.

Hydraulic unit

The mower has its own hydraulic unit : oil pump, oil container, radiator with a fan and regulated end valve for belt conveyors speed adjustment.

Oil level and temperature indicator

Integrated level and temperature indicator placed on oil tank.

Belt conveyor

Strong beams suspend the belt conveyor for ultimate stability when operating in heavy crops, uneven fields and on the slope. They swing the unit up and out of the way when the mower is producing single or wide windrows. Single-acting cylinder raises the belt conveyor as a reversing valve shuts it off and back on when the unit goes down, back into work.

Belt conveyors drive

Belt conveyors are driven by their own hydraulic unit (hydraulic pump, radiator and two hydromotors). Turning the conveyors on is done on electronic control panel mounted in tractor's cabin. Mergers work independently with variable speed rates.



Belt conveyor's cleaning mechanism

Belt conveyor is equipped with roller cleaning mechanism, owing to which the dirt can be easily removed without necessity to take off the belt. In order to reduce dirt gathering and protect the belt a new type of cleaning brushes was applied.

Electronic control panel

Control panel is installed in operator's cabin, which allows for convenient control over position of rear mowers on headlands and during transport. It allows for belt conveyor speed adjustment.



The art of cutting

GigaCUT



PerfectCUT

Manufacturer's advice

Belt conveyor speed can be adjusted via electronic control panel (see p. 31) Ranging from 0 ÷ max. Maximum windrow width of 2,8 m (9' 1/5") may be reached when cutting low and medium grass. When cutting heavy grass, conveyor speed has to be increased due to the weight of the material. This automatically narrows windrow presentation. There is a possibility to move the conveyors left or right along the mowers frame ± 200 mm (7 7/8").

However, an operation with the conveyors moved to an extreme point may cause unbalancing of the set. In that case of having 3,5 m (11' 2/5") wide swath SaMASZ can manufacture shorter conveyors.



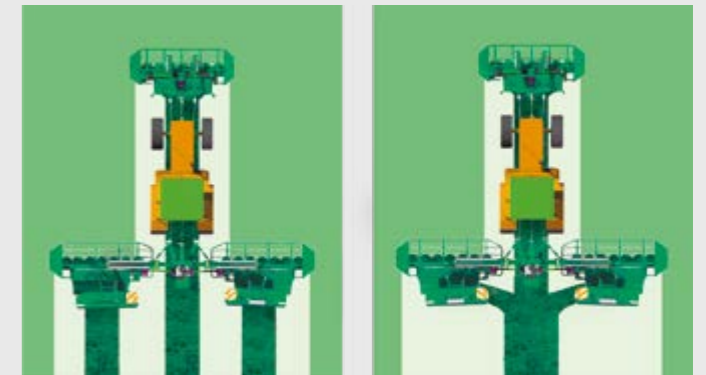
PerfectCUT

Transport width

In this position permitted transport width of 3m / 9'10" is not exceeded.

Adjustment of cutting units

Overlapping of front and rear mowers is factory set for 375 mm (14 3/5"). MegaCUT set always presents three windows.



Rear 2-drum mowers

Z 010, Z 010/1, Z 010/2



Economy and precision of mowing...



Drum mowers 1,65 m (5'5") to 2,10 m (6'11") have solid design and are very durable. Tough, resistant gearbox is the most essential part of all our mowers.

Special mowing drums transport cut material and lay it down into a smooth swath.



Z 010

Z 010/2
View without safety guards



Z 010/1H

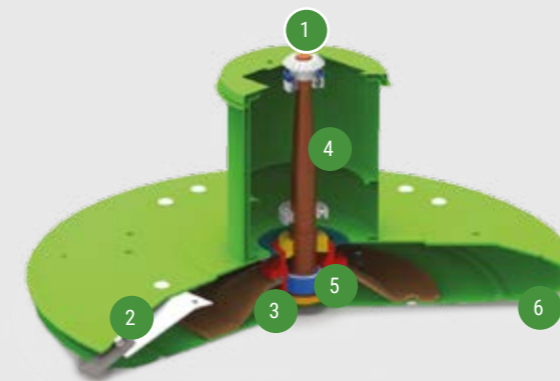
Thanks to optional hydraulic lift cylinder, mower can be easily transported in upward position, behind or at the side of tractor.

Advantages:

- cuts perfectly either lying grass or very high sedge - cane
- factory set 5,8 cm (2") cutting height, regulated by distance rings
- DLG Signum Test
- robust and tough design
- idling running:
- on PTO shaft (Z 010/2)
- on pulley (Z 010 and Z 010/1)
- safety breakaway device
- additional knives and mounting lever

- quick and easy knife replacement
- Standard-delivered PTO shaft with holder
- low noise and stable operation
- PTO 540 rpm
- adjustable lower pins
- solid metal guard with cover
- hydraulic lifting system (option)

Mowing drum section overview



- 1 Bevel gears**
 - low-noise and stable operation
- 2 Blade holder and blades**

straight blade:

 - Z 010, Z 010/1 and Z 010/2 : 102 mm made of hardened steel
 - quick blade replacement
 - additional blade holder mounting holes
- 3 Cutting height adjustment**
 - with distance rings
- 4 Vertical drive shaft**
 - made of high-class steel
 - supported in 5 bearing points - high stability even in most demanding conditions
- 5 2 double-row ball bearings**
 - durability and extended life
- 6 Sliding disc**
 - strong and durable design - 5 mm / 0.2" thick
 - made of wear and abrasion resistant steel

SILAGE ROLLER IMPACT 300

SILAGE ROLLER

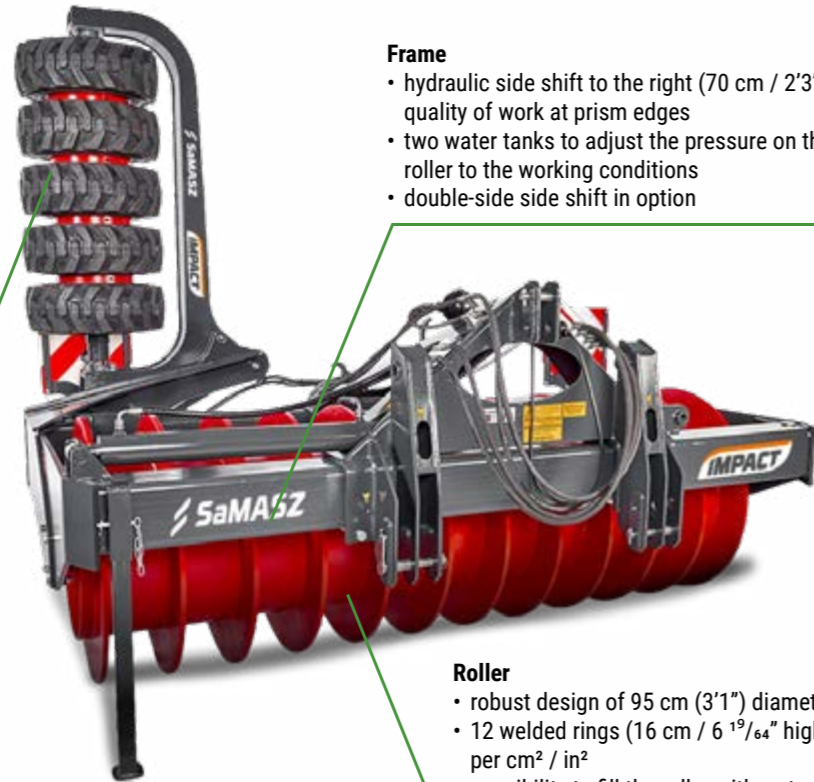
3-point mounted silage roller **IMPACT** is an excellent product for users who store animal fodder in heaps and prisms. The machine is 3 m 3 m (9'10") wide and is equipped with 12 welded rings. It guarantees sufficient compaction of fodder. The roller weighs 1875 kg (4135 lbs) and can be equipped with hydraulically controlled additional tire compactor to work on prism edges. **IMPACT (IMPACT 300 H-WB)** allows vertical work and it can be filled with water to increase the weight to approx. 3200 kg (7055 lbs). The roller has two support stands (front and back) and a rear hitch.

Advantages:

- Durable and compact design.
- Hydraulically controlled silage roller guarantees intense, deep and even compaction of green mass, also vertically.
- High point pressure per cm² / in²
- Enhancing the quality of silage ensiling.

Tire compactor

- perfect burnishing of the prism edges
- hydraulically controlled from the cab
- standard equipment (IMPACT 300 H-WB)



Frame

- hydraulic side shift to the right (70 cm / 2'3") improves comfort and quality of work at prism edges
- two water tanks to adjust the pressure on the ground and to adapt the roller to the working conditions
- double-side side shift in option

Roller

- robust design of 95 cm (3'1") diameter
- 12 welded rings (16 cm / 6 1/8" high) ensure high point pressure per cm² / in²
- possibility to fill the roller with water to adjust the weight of the machine to the working conditions

Standard equipment:

Durable and compact design • Two water tanks • Welded rings for optimum penetration in the prism • Hydraulic side shift • Hydraulically controlled tire compactor (IMPACT 300 H-WB) • High point pressure per cm² / in²



Electrophoretic cathode metal coating (E-COAT) - the way for a long surface life

Cathodic painting is used to cover elements that require coatings with significant corrosion resistance. Painting components of SaMASZ machines is carried out on a fully automated line with a total length of 900 m / 2950 ft. Each stage of the process is constantly monitored and recorded, which ensures the repeatability of the process as well as the highest quality of the coating obtained.

The technology is always individually tailored to the characteristics of the component and meets restrictive standards. Zinc phosphate surface preparation and E-COAT painting allow even the most complicated shapes with hard to reach component slots to be covered. Such coating guarantees the highest anti-corrosion resistance, which is more than 3 times higher than in the case of the standard iron phosphating. This is extremely important, as it allows for a perfect surface finish.

A well-equipped laboratory helps to monitor process parameters and coating quality, which translates into high resistance to weather conditions, corrosion, chemical and mechanical protection and esthetic appearance.

Advantages:

- high quality of the coating
- covering complex shapes
- precise control of the coating thickness
- corrosion protection
- chemical protection
- mechanical protection

Technical data drum and disc mowers

Rear disc mowers SAMBA

SAMBA 160, SAMBA 200, SAMBA 240, SAMBA 280, SAMBA 320

	SAMBA 160	SAMBA 200	SAMBA 240	SAMBA 280	SAMBA 320
Working width [m/ft]	1,60 / 5'2"	2,00 / 6'7"	2,40 / 7'11"	2,80 / 9'2"	3,20 / 10'6"
Transport width / height [m/ft]	1,70 / 2,45 / 5'7" / 8'	1,70 / 2,85 / 5'7" / 9'4"	1,70 / 3,20 / 5'7" / 10'6"	1,70 / 3,60 / 5'7" / 11'9"	1,70 / 3,95 / 5'7" / 12'12"
Swath width [m/ft]	~ 1,10 / 3'7"	~ 1,60 / 5'2"	~ 1,90 / 6'2"	~ 2,30 / 7'6"	~ 2,70 / 8'10"
Necessary hydraulic couplers	1 x single acting				
Working capacity [ha/h]	~ 1,50 / ~ 3,70	~ 2,00 / ~ 5,00	~ 2,50 / ~ 6,20	~ 3,00 / ~ 7,00	~ 3,50 / ~ 8,70
Number of discs [pcs.] / Number of knives [pcs.]	4 / 8	5 / 10	6 / 12	7 / 14	8 / 16
RPM	540				1 000
3-point hitch cat.	I / II		II		
Power demand [HP]	from 20	from 30	from 45	from 60	from 75
Weight [kg / lbs]	410 / 905	445 / 980	490 / 1080	505 / 1115	580 / 1280
PTO shaft	tractor - mower: with poverrunning clutch				

Front disc mowers ALPINA

ALPINA 221, ALPINA 261, ALPINA 301

	ALPINA 221	ALPINA 261	ALPINA 301
Working width [m / ft]	2,20 / 7'3"	2,60 / 8'7"	3,00 / 9'10"
Transport width / height [m / ft]	2,20 / 7'3"	2,60 / 8'7"	3,00 / 9'10"
Swath width [m / ft]	~ 1,60 / 5'2"	~ 2,00 / 6'6"	~ 2,40 / 7'10"
Working capacity [ha/h / ac/h]	~ 2,00 / 5,00	~ 2,50 / 6,20	~ 3,00 / 7,00
Number of discs [pcs.] / Number of knives [pcs.]	5 / 10	6 / 12	7 / 14
RPM	540 or 1000		
3-point hitch cat.	I/II		
Power demand [HP]	from 45	from 60	from 75
Weight [kg / lbs]	480 / 1060	510 / 1125	540 / 1190
PTO shaft	tractor - mower: with friction clutch built in: with overrunning clutch		

Front disc mowers SAMBA F

SAMBA 220 F, SAMBA 240 F, SAMBA 260 F, SAMBA 280 F, SAMBA 300 F

	SAMBA 220 F	SAMBA 240 F	SAMBA 260 F	SAMBA 280 F	SAMBA 300 F
Working width [m / ft]	2,20 / 7'2"	2,40 / 7'10"	2,60 / 8'6"	2,80 / 9'2"	3,00 / 9'10"
Transport width [m / ft]	2,20 / 7'2"	2,40 / 7'10"	2,60 / 8'6"	2,80 / 9'2"	3,00 / 9'10"
Swath width [m / ft]	1,00 - 1,20 / 3'3" - 3'11"	1,10 - 1,80 / 3'7" - 5'10"	1,20 - 1,40 / 3'11" - 4'7"	1,50 - 2,20 / 4'11" - 7'2"	1,30 - 1,50 / 4'3" - 4'11"
Necessary hydraulic couplers	-				
Working capacity [ha/h / ac/h]	~2,00 / ~4,40	~2,30 / 5,30	~2,50 / ~6,70	~2,80 / ~7,00	~3,00 / ~7,20
Number of discs [pcs.] / Number of knives [pcs.]	5 / 10	6 / 12	6 / 12	7 / 14	7 / 14
RPM	1 000				
3-point hitch cat.	II				
Power demand [HP] [KM]	from 45	from 55	from 60	from 70	from 80
Weight [kg / lbs]	490 / 1080	520 / 1150	530 / 1170	560 / 1235	570 / 1256
PTO shaft	tractor - mower: friction clutch built-in: with overrunning friction clutch				
Single rubber swath guide [pcs.]	2				

Rear disc mowers KDT

KDT 220, KDT 260, KDT 300, KDT 340, KDT 341, KDT 220 W, KDT 260 S, KDT 260 W

	KDT 220	KDT 260	KDT 300	KDT 340	KDT 341*	KDT 220 W**	KDT 260 S**	KDT 260 W**
Working width [m / ft]	2,20 / 7'2"	2,60 / 8'7"	3,00 / 9'10"	3,40 / 11'2"	3,40 / 11'2"	2,20 / 7'2"	2,60 / 8'7"	2,60 / 8'7"
Transport width / height [m / ft]	2,15 / 2,85 / 7'1" / 9'4"	2,15 / 3,40 / 7'1" / 11'2"	2,15 / 3,75 / 7'1" / 12'3"	2,20 / 4,20 / 7'2" / 13'8"	2,20 / 4,20 / 7'2" / 13'8"	2,15 / 2,95 / 7'1" / 9'7"	2,15 / 3,40 / 7'1" / 11'2"	2,20 / 3,40 / 7'2" / 11'2"
Swath width [m / ft]	1,00 - 1,40 / 3'4" - 4'7"	1,20 - 1,80 / 3'11" - 5'11"	1,30 - 1,90 / 4'4" - 6'3"	1,40 - 2,00 / 4'7" - 6'7"	2,30 - 2,80 / 7'7" - 9'2"	1,00 - 1,30 / 3'4" - 4'4"	1,00 - 1,30 / 3'4" - 4'4"	1,00 - 1,30 / 3'4" - 4'4"
Necessary hydraulic couplers	1 x single acting							
Working capacity [ha/h / ac/h]	~ 2,50 / 6,20	~ 3,00 / 7,40	~ 3,50 / 8,70	~ 4,00 / 10,00	~ 4,00 / 10,00	~ 2,00 / 5,00	~ 2,80 / 7,00	~ 2,80 / 7,00
Number of discs / knives [pcs.]	5 / 10	6 / 12	7 / 14	8 / 16	8 / 16	5 / 10	6 / 12	6 / 12
RPM	540							
3-point hitch cat.	II							
Power demand [HP]	from 50	from 70	from 80	from 90	from 90	from 70	from 90	from 90
Weight [kg / lbs]	670 / 1 480	725 / 1 600	785 / 1 730	825 / 1 820	825 / 1 820	950 / 2 095	995 / 2 195	1 005 / 2 215
PTO shaft	tractor - mower: with overrunning clutch					tractor - mower: with overrunning clutch built in: with overload clutch		
Rubber swath guide - single [pcs.]	2	1	-	-	2	Metal swath guides in conditioner		
Rubber swath guide - double [pcs.]	-	1	2	2	-	-		

Rear disc mowers KDTC

KDTC 261, KDTC 301, KDTC 341, KDTC 301 S, KDTC 301 W

	KDTC 261	KDTC 301	KDTC 341	KDTC 301 S*	KDTC 301 W*
Working width [m / ft]	2,60 / 8'7"	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,00 / 9'10"
Transport width / height [m / ft]	2,00 / 3,40 / 6'6" / 11'2"	2,00 / 3,80 / 6'6" / 12'5"	2,00 / 4,20 / 6'6" / 14'	2,00 / 3,80 / 6'6" / 12'8"	2,00 / 3,80 / 6'6" / 12'8"
Swath width [m / ft]	1,50 - 1,90 / 4'11" - 6'3"	1,90 - 2,30 / 6'3" - 7'6"	2,30 - 2,80 / 7'6" - 9'2"	1,80 - 2,30 / 5'11" - 7'6"	1,40 - 1,70 / 4'7" - 5'7"
Necessary hydraulic couplers	1 x single acting				
Working capacity [ha/h / ac/h]	~ 2,80 / ~ 7,00	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 3,50 / ~ 8,70	~ 3,50 / ~ 8,70
Number of discs / knives [pcs.]	6 / 12	7 / 14	8 / 16	7 / 14	7 / 14
RPM	540 (1000 - option)			1000	
3-point hitch cat.	II				
Power demand [HP]	from 70	from 80	from 90	from 90	from 90
Weight [kg / lbs]	940 / 2 070	1 050 / 2 315	1 130 / 2 491	1 400 / 3 090	1 450 / 3 200
PTO shaft	tractor - mower: with overrunning clutch + friction, built-in: no clutch				
Rubber swath guide - single [pcs.]	1	2	2	Metal swath guides in conditioners	

Rear disc mowers KT

KT 261, KT 301, KT 341, KT 261 W, KT 301 S, KT 301 W

	KT 261	KT 301	KT 341	KT 261 W*	KT 301 S*	KT 301 W*
Working width [m / ft]	2,60 / 8'7"	3,00 / 9'10"	3,40 / 11'2"	2,60 / 8'7"	3,00 / 9'10"	3,00 / 9'10"
Transport width / height [m / ft]	2,00 / 3,10 / 6'7" / 10'2"	2,00 / 3,50 / 6'7" / 11'6"	2,00 / 4,20 / 6'7" / 13'8"	2,00 / 3,10 / 6'7" / 10'2"	2,00 / 3,50 / 6'7" / 11'6"	2,00 / 3,50 / 6'7" / 11'6"
Swath width [m / ft]	1,50 - 1,90 / 4'11" - 6'4"	1,90 - 2,30 / 6'4" - 7'7"	2,30 - 2,80 / 7'7" - 9'2"	1,00 - 1,30 / 3'4" - 4'4"	1,90 - 2,30 / 6'4" - 7'7"	1,40 - 1,70 / 4'7" - 5'7"
Necessary hydraulic couplers	2 x single action + 1 x double action					
Working capacity [ha/h / ac/h]	~ 2,80 / ~ 7,00	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 2,80 / ~ 7,00	~ 3,50 / ~ 8,70	~ 3,50 / ~ 8,70
Number of discs / knives [pcs.]	6 / 12	7 / 14	8 / 16	6 / 12	7 / 14	7 / 14
RPM	540 (1000 - option)			1000		
3-point hitch cat.	II					
Power demand [HP]	from 70	from 80	from 90	from 90	from 100	from 90
Weight [kg / lbs]	1 000 / 2 205	1060 / 2 335	1 120 / 2 470	1 390 / 3 065	1 460 / 3 218	1 490 / 3 285
Weight with "H" [kg / lbs]	975 / 2 150	1 040 / 2 292	1 090 / 2 405	1 360 / 3 000	1 380 / 3 042	1 460 / 3 220
PTO shaft	tractor - mower: with friction overrunning clutch, built in: no clutch					

Technical data drum and disc mowers



Rear disc mowers **XT** XT 340, XT 390

	XT 340	XT 390
Working width [m / ft]	3,40 / 11'1"	3,90 / 12'1"
Transport width / height [m / ft]	2,35 / 3,85 / 7'8" / 12'7"	2,60/3,98 / 8'6"/13'
Swath width [m]	2,00 - 2,25 / 6'6" - 7'4"	2,40 - 2,65 / 7'11" - 8'8"
Necessary hydraulic couplers	1 x double acting	
Working capacity [ha / h]	~ 4,00 / ~ 9,40	~ 4,50 / ~ 11,00
Number of discs [pcs.] / Number of knives [pcs.]	8 / 16	9 / 18
RPM	1000	
3-point hitch cat.	II / III	
Power demand [HP]	from 100	
Weight [kg / lbs]	1240 / 2734	1 290 / 2 845
PTO shaft	tractor - mower: with overrunning clutch + friction; built-in: no clutch	
Single rubber swath guide [pcs.]	1	

KDC trailed disc mowers KDC 301 ST, KDC 340 ST

	KDC 301 ST	KDC 340 ST
Working width [m / ft]	3,00 / 9'10"	3,40 / 11'2"
Transport width [m / ft]	3,00 / 9'10"	3,40 / 11'2"
Swath width [m / ft]	1,00 - 1,60 / 3'3" - 5'3"	1,30 - 2,00 / 4'4" - 6'7"
Necessary hydraulic couplers	2 x single acting 2 x double acting	
Working capacity [ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00
Number of discs / knives [pcs.]	7 / 14	8 / 16
Tires	400 / 50 / 15	
RPM	540 / 1000	
3-point hitch cat.	II	
Power demand [HP]	from 90	from 110
Weight [kg / lbs]	2350	2495
PTO shaft	tractor - mower: with friction clutch, built-in: 1. no clutch, 2. with overrunning clutch, 3. wide-angle u-joint	

KDC trailed disc mowers

KDC 300, KDC 340, KDC 390, KDC 430, KDC 301 S, KDC 301 W, KDC 340 S, KDC 341 W

	KDC 300	KDC 340	KDC 390	KDC 430	KDC 301 S*	KDC 301 W*	KDC 340 S*	KDC 341 W*
Working width [m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,90 / 13'	4,30 / 14'	3,00 / 9'10"		3,40 / 11'2"	
Transport width [m / ft]	3,00 / 9'10"	3,50 / 11'6"	3,90 / 13'	4,30 / 14'	3,00 / 9'10"		3,40 / 11'2"	
Swath width [m / ft]	1,30 - 1,50 / 4'4" - 4'11"	1,70 - 2,10 / 5'6" - 6'9"	2,50 - 3,10 / 8'2" - 10'2"	2,90 - 3,50 / 9'5" - 11'5"	1,00 - 1,60 / 3'3" - 5'3"		1,30 - 2,00 / 4'4" - 6'7"	
Necessary hydraulic couplers	1 x single acting		1 x double acting					
Working capacity [ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 4,50 / 11,30	~ 4,90 / 12,30	~ 3,50 / ~ 8,70		~ 4,00 / ~ 10,00	
Number of discs / knives [pcs.]	7 / 14	8 / 16	9 / 18	10 / 20	7 / 14		8 / 16	
Tires	340 / 55 / 16		400 / 55 / 15		400 / 50 / 15			
RPM	540 / 1000							
3-point hitch cat.	II							
Power demand [HP]	from 80	from 90	from 100	from 110	from 90		from 110	
Weight [kg / lbs]	1 650 / 3 640	1 755 / 3 870	1 850 / 4 080	2 040 / 4 500	1 910 / 4 210	2 100 / 4 630	2 095 / 4 619	2 280 / 5 025
PTO shaft	tractor - mower: with friction clutch, built-in: 1. no clutch 2. wide-angle u-joint 3. with overrunning clutch				tractor - mower: with friction clutch, built-in: 1. no clutch 2. wide-angle u-joint 3. with overrunning clutch 4. with overrunning clutch			

KDF front disc mowers

KDF 300, KDF 340, KDF 301 S, KDF 301 W, KDF 341 S, KDF 341 W, KDF 390

	KDF 300	KDF 340	KDF 301 S*	KDF 301 W*	KDF 341 S*	KDF 341 W*	KDF 390
Working width [m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"		3,40 / 11'2"		3,90 / 12'1"
Transport width [m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"		3,40 / 11'2"		3,80 / 12'8"
Swath width [m / ft]	~ 1,30 - 1,50 / ~ 4'3" - 4'11"	~ 1,40 - 1,80 / 4'7" - 5'11"	~ 1,20 - 2,00 / ~ 4'11" - 6'7"	~ 1,10 - 1,70 / ~ 3'7" - 5'7"	~ 1,40 - 2,40 / ~ 6'3" - 7'11"	~ 1,30 - 2,10 / ~ 4'11" - 6'11"	~ 1,40 - 2,30 / ~ 4'7" - 7'2"
Necessary hydraulic couplers	1 x single acting						
Working capacity [ha/h / ac/h]	~ 3,50 / 8,70	~ 4,00/10,00	~ 3,50 / 8,70		~ 4,00 / 10,00		~ 4,50/ 11,00
Number of discs / knives [pcs.]	7 / 14	8 / 16	7 / 14		8 / 16		9 / 18
RPM	1000						
3-point hitch cat.	II						
Power demand [HP]	from 80	from 90	from 100		from 110		from 100
Weight [kg / lbs]	940 / 2 075	1 020 / 2 250	1 260 / 2 775	1 360 / 3 000	1 340 / 2 955	1 475 / 3 250	1 065 / 2 335
PTO shaft	tractor - mower: with friction clutch built-in: with overrunning clutch		tractor - mower: with friction clutch, built-in: 1. with over-load clutch, 2. with overrunning clutch		tractor - mower: with friction clutch, built-in: 1. with over-load clutch, 2. with overrunning clutch		tractor - mower: with friction clutch built-in: with over-running clutch

* S - tine conditioner W - roller conditioner

XT-F front disc mowers

XT-F 262, XT-F 302, XT-F 342

	XT-F 262	XT-F 302	XT-F 342
Working width [m / ft]	2,60 / 8'7"	3,00 / 9'8"	3,40 / 11'2"
Transport width [m / ft]	2,60 / 8'7"	3,00 / 9'8"	3,40 / 11'2"
Swath width [m / ft]	~ 1,00 - 1,20 / ~ 2'11"-3'7"	~ 1,30 - 1,50 / ~ 4'6" - 5'6"	~ 1,40 - 1,80 / 4'7" - 5'11"
Working capacity [ha/h / ac/h]	~ 2,80 / 7,00	~ 3,50 / 8,70	~ 4,00 / 10,00
Number of discs / knives [pcs.]	6 / 12	7 / 14	8 / 16
RPM	1000		
3-point hitch cat.	II		
Power demand [HP]	from 60	from 75	from 85
Weight [kg / lbs]	730 / 1 610	770 / 1 700	820 / 1 810
PTO shaft	tractor - mower: with friction clutch built-in: with overrunning clutch		

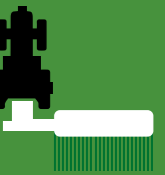
KDD disc mowers

KDD 861, KDD-R 912, KDD-R 941

	KDD 861	KDD 912	KDD 941
Working width [m / ft]*	8,60 / 28'2"	9,10 / 29'10"	9,40 / 30'10"
Transport width / height [m / ft]	3,00 / 3,80 / 9'8" / 12'8"	3,00 / 3,90 / 9'8" / 12'10"	3,00 / 4,00 / 9'8" / 13'2"
Swath width [m / ft]	2 x ~ 1,90 - 2,30 / 2 x ~ 6'3" - 7'7"	2 x ~ 1,30 - 1,50 / 2 x ~ 4'6" - 5'6"	2 x ~ 2,30 - 2,70 / 2 x ~ 7'7" - 8'10"
Necessary hydraulic couplers	3 x single acting (steering panel 1 x single acting)		
Working capacity [ha/h / ac/h]	~ 10,00 / 25,00	~ 10,50 / 27,00	~ 11,00 / 27,00
Number of discs / knives [pcs.]	14 / 28	16 / 32	16 / 32
RPM	1000		
3-point hitch cat.	II / III		
Power demand [HP]*	from 140	from 140	from 150
Weight [kg / lbs] // Weight with „H“ [kg / lbs]	2 125 / 4 685 2 100 / 4 630	2 290 / 5 050 2 190 / 4 830	2 290 / 5 050 2 190 / 4 830
PTO shaft	tractor - mower: no clutch, built-in: with overrunning friction clutch		
Rubber swath guide - single [pcs]	4	-	4

* Combined with a front mower.

Technical data drum and disc mowers



KDD-R disc mowers

KDD-R 861 H, KDD-R 861 SH, KDD-R 941, KDD-R 941 SH

	MegaCUT-R 861 H	GigaCUT-R 861 SH	MegaCUT-R 941 H	GigaCUT-R 941 SH
Working width [m / ft]*	8,60 / 28'2"	8,60 / 28'2"	9,40 / 30'10"	9,40 / 30'10"
Transport width / height [m / ft]	3,00 / 3,80 9'8" / 12'8"	3,00 / 3,80 9'8" / 12'8"	3,00 / 4,00 9'8" / 13'2"	3,00 / 4,00 9'8" / 13'2"
Swath width [m / ft]	2 x ~ 1,90 - 2,30 / 2 x ~ 6'3" - 7'7"	2 x ~ 1,90 - 2,30 / 2 x ~ 6'3" - 7'7"	2 x ~ 2,30 - 2,70 / 2 x ~ 7'7" - 8'10"	2 x ~ 2,30 - 2,70 / 2 x ~ 7'7" - 8'10"
Necessary hydraulic couplers	2 x single acting			
Working capacity [ha/h / ac/h]	~ 10,00 / 25,00		~ 11,00 / 27,00	
Number of discs / knives [pcs.]	21 / 42		23 / 46	
RPM	1000			
3-point hitch cat.	II / III			
Power demand [HP]*	from 150	from 160	from 160	from 180
Weight [kg / lbs]	3 040 / 6 700	4 210 / 9 280	3 130 / 6 900	4 610 / 10 165
PTO shaft	tractor - mower: no clutch, built-in: with overrunning friction clutch			
Swath guides [pcs]	4 x single rubber	Metal swath guides in conditioner	4 x single rubber	Metal swath guides in conditioner

* Combined with a front mower.

KDD disc mowers

KDD 861 ST, KDD 861 WT, KDD 941 ST, KDD 941 WT

	KDD 861 ST	KDD 861 WT	KDD 941 ST	KDD 941 WT
Working width [m / ft]**	8,60 / 28'2"	8,60 / 28'2"	9,40 / 30'10"	9,40 / 30'10"
Transport width / height [m / ft]	3,00 / 3,80 9'8" / 12'8"	3,00 / 3,80 9'8" / 12'8"	3,00 / 3,95 9'8" / 13'	3,00 / 3,95 9'8" / 13'
Swath width [m / ft]	2 x ~ 1,90 - 2,30 / 2 x ~ 6'3" - 7'7"	2 x ~ 1,40 - 2,00 / 2 x ~ 4'7" - 6'7"	2 x ~ 2,30 - 2,70 / 2 x ~ 7'7" - 8'1"	2 x ~ 1,80 - 2,30 / 2 x ~ 5'11" - 7'7"
Necessary hydraulic couplers	2 x single acting			
Working capacity [ha/h / ac/h]**	~ 10,00 / 25,00		~ 11,00 / 27,00	
Number of discs / knives [pcs.]	14 / 28		16 / 32	
RPM	1000			
3-point hitch cat.	III			
Power demand [HP] (in combination with a front mower)	from 200	from 220	from 220	from 240
Weight [kg / lbs]	3 850 / 8 490	4 160 / 9 171	4 250 / 9 370	4 450 / 9 810
Weight with „H“ [kg / lbs]	3 650 / 8 050	3 920 / 8 642	4 050 / 8 930	4 250 / 9 370
PTO shaft	tractor - mower: no clutch, built-in: with overrunning friction clutch			
Metal swath guide [pcs]	4			

KDD disc mowers

KDD 861 S, KDD 861 W, KDD 941 S, KDD 941 W

	KDD 861 S*	KDD 861 W*	KDD 941 S*	KDD 941 W*
Working width [m / ft]	8,60 / 28'2"		9,40 / 30'10"	
Transport width / height [m / ft]	3,00 / 3,80 9'8" / 12'8"		3,00 / 3,95 9'8" / 13'	
Swath width [m / ft]	2 x ~ 1,90 - 2,30 / 2 x ~ 6'3" - 7'7"	2 x ~ 1,40 - 2,00 / 2 x ~ 4'7" - 6'7"	2 x ~ 2,30 - 2,70 / 2 x ~ 7'7" - 8'1"	2 x ~ 1,80 - 2,30 / 2 x ~ 5'11" - 7'7"
Necessary hydraulic couplers	3 x single acting (with panel 1 x single acting)			
Working capacity [ha/h / ac/h]	~ 10,00 / 25,00		~ 11,00 / 27,00	
Number of discs / knives [pcs.]	14 / 28		16 / 32	
RPM	1000			
3-point hitch cat.	III			
Power demand [HP] (in combination with a front mower)	from 160	from 200	from 180	from 220
Weight [kg / lbs]	2 990 / 6 590	3 080 / 6 790	3 120 / 6 880	3 300 / 7 275
Weight with „H“ [kg]	2 790 / 6 150	2 880 / 6 350	3 020 / 6 660	3 100 / 6 835
PTO shaft	tractor - mower: no clutch, built-in: with overrunning friction clutch			
Metal swath guide [pcs]	4			

* S - tine conditioner W - roller conditioner

Rear 2-drum mowers Z010

Z 010 (H), Z 010/1 (H), Z 010/2 (H)

Type	Working width [m / ft]	Swath width [m / ft]	Working capacity [ha/h / ac/h]	Number of knives [pcs.]	Power demand [HP]	RPM	Dimensions w / l / h [ft]	Weight [kg / lbs]
Z 010	1,65 / 5'5"	0,70 / 2'4"	~ 1,50 / 3,7	6	from 40	540	11,00 / 5,00 / 3,80	400 / 880
Z 010/1	1,85 / 6'1"	0,80 / 2'7"	~ 2,00 / 5		from 60		12,20 / 5,30 / 3,35	455 / 1005
Z 010/2	2,10 / 6'11"	0,90 / 2'11"	~ 2,50 / 6,2	8	from 70		13,45 / 5,75 / 3,50	555 / 1225

SILAGE ROLLER

IMPACT 300 H, IMPACT 300 HWB

	IMPACT 300 H	IMPACT 300 HWB
Working width [m / ft]	3,00 / 9'10"	
Working width with silage edge compactor [m / ft]	-	3,70 / 12'1"
Side shift - right [cm / ft]	70 / 2'3"	
Power demand [HP]	from 111/150	
3-point hitch cat.	II/III	
Net weight [kg / lbs]	1 875 / 4 135	2 240 / 4 939
Weight with water [kg / lbs]	2 805 / 6 185	3 170 / 6 989
Necessary hydraulic couplers (pairs)	2	
Rear transport hitch	+	



SaMASZ Sp. z o.o.

**ul. Trawiasta 1
16-060 Zabłudów
Poland**

*tel.: + 48 85 664 70 31
e-mail: export@samasz.pl*

www.samasz.com

Your dealer:



Passion for work and constant search for the best solutions are ideas that have guided us from the beginning and have become the key to success.

The main factors contributing to the dynamic development of the company are close contact with the client and openness to his needs. It is through partnership dialogue with our current and future customers, meeting their expectations and needs, that we create and strengthen the foundations for dynamic development.

With the goal of continuous development, we invest in research and development. We employ the most talented university graduates who are not only experts in their fields, but also bring professionalism and passion to what they do. You can always count on their competence and reliability.

Today SaMASZ is a leader in Poland and one of the leading European producers of green forage machines. Our offer includes over 300 types of different machines: disc mowers, tedders, rakes, mixer feeders, flail mowers, extension arms, snow plows and sweepers.

Production is currently carried out in Zabłudów (Podlaskie Voivodeship), in a new factory, launched in 2018, employing over 1000 people. SaMASZ dynamically develops export sales. About 65% of the company's production goes to over 60 countries around the world. The company's foreign branches are: SaMASZ North America LLC, SaMASZ BVBA Belgium - the Netherlands. The TOP 10 largest foreign markets are Germany, the United States of America, Canada, France, Ireland, Latvia, the Netherlands, Spain and Australia.

Our main goal is to constantly modernize and improve the design of our machines and to implement the highest technological achievements into the production processes in order to achieve world-class quality. We realize that in the face of changes taking place in the modern world, customers are looking for trustworthy business partners, which is why we have the ambition to be perceived as a recognized, reliable and professional manufacturer.



Technical data and equipment provided herein, as well as images of the products may be different due to constant technical development.