

 **Rolmako**<sup>®</sup>



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**Your reliable partner  
in agriculture**

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The company is managed in accordance with  
**ISO 9001:2008** standard

All the machine dimensions and weights given in the catalogue are subject to further technical development, and therefore, they are not binding. The minimum power demand of the tractor provided in the tables with technical data may considerably vary depending on soil conditions and optional equipment. The agricultural machinery weights in a specific configuration may be different from those given in the technical parameters. We reserve the right to change the design of machines and their technical parameters. The information included in this publication is not legally binding and it does not constitute a commercial offer.



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**Specialization  
of the company**

**soil  
tillage**



- seedbed cultivators
- stubble cultivators
- disc harrows
- tillage aggregates without ploughing the soil
- subsoilers

**fodder  
preparation**



- stationary bale wrappers
- self-loading bale wrappers
- grain crushers
- strewer for piles and mounds

**one-step  
rape harvesting**



- rapeseed harvesting extensions
- header trailers

**other  
products**



- snow ploughs
- agricultural machinery parts
- services within owned machinery

# Agricultural machinery and even more

Rolmako product catalogue presents a comprehensive package of agricultural solutions. In this publication you will find information about our new products and proven agricultural machinery, that has been produced for many years.



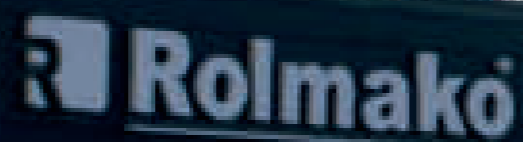
On the basis of information from the catalogue, you will find that Rolmako is a reliable partner in modern agriculture.

Continuous improvement and development and also efficient production processes result in the continued expansion of agricultural machines offer. Part of the products are machines made on order, to optimize them to the requirements of our customers.



The Rolmako company has been developing at a constantly rapid pace since its establishment introducing new products to the offer, increasing employment and significantly expanding the manufacture volume every year. This is a result of continuous improvement of the agricultural machinery quality, stimulated by investments in developing the new manufacturing base, growing qualifications of the personnel, as well as motivation for further development.

Owing to the constant expansion of our company, we are prepared to implement new designs of agricultural equipment to our manufacturing process, at the same time, focusing on the provision of the fullest offer related to satisfying the needs of our customers around the world. Rolmako products include agricultural tools, durable and economical in use, which are subject to continuous development implemented by the company construction department that strives for continuous improvement of functionality and quality of the offered machines.

A photograph of a modern Rolmako building. The building has a dark facade with the Rolmako logo and name prominently displayed in white. To the right, three vertical blue banners with the Rolmako logo are visible. The building is situated behind a road with a guardrail.

**Rolmako**

# We invite you to follow us on social media



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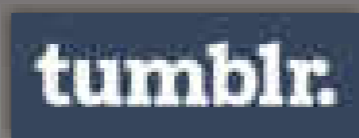
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**About us**

Rolmako is a dynamically growing farm machinery and spare parts manufacturer. The company also renders complex services concerning metal plates treatment and fulfils individual orders for atypical parts, also of foreign production. The company's strategy, many years of experience and highly qualified specialists allow to extend offers flexibly according to the changing market demand. The priority goal of the company is manufacturing high quality products at the price adjusted to Polish agricultural reality. The overriding objective of the entire enterprise is to produce high quality products at a price suited to the realities of Polish agriculture and to ensure customers satisfaction with their purchase.

**Competence**

Thanks to our long lasting experience in manufacturing for the agricultural branch we have become a competent company. It enables us to create products of high-quality and assure our customers efficient service meeting their requirements. Our products are adjusted to Polish reality. Through excellent organization we created a very effective and efficient company, successful in the agricultural market, and enjoying customer's recognition.

**Machinery and parts for agriculture**



**Quality**

We provide the high quality of our products by monitoring of the implementation of individual elements in the production process. This ensures that our machines are characterized by a trouble-free, efficient and safe operation, which - besides low prices - is their undeniable advantage. All have safety signs.

We attach great importance to the aesthetics and durability of manufactured machinery and spare parts. The metal parts of machinery are handled shot blasting and powder coating. Knowing and understanding the needs of our clients makes our products characterized by high functionality, which results in buyers' satisfaction of purchased machines and agricultural parts.

**Service**

The equipment purchased from Rolmako is full service warranted. We are happy to provide you with quick and nice service, technical consultancy in the area of repairs and exploitation of farm machines. Our services are oriented towards the customers' expectations; it is an expression of our philosophy based on customer satisfaction with Rolmako equipment.

**Customers service**

Our company tries to provide its customers the maximum comfort during purchasing. With our knowledge of agriculture branch customer's needs, we offer individual approach in case of each order.

We guarantee:

- service efficiency
- after sale guarantee
- quick response to customer's problems
- delivery to the specified place.

We offer:

- installment sales
- mail-order sales.

**Development of our existing products, implementation of prototypes for mass production and further expansion on foreign markets are our goals for the incoming years**

**At the beginning of 2015 we have launched new production facility with an area of 5000m<sup>2</sup> - venue of the final assembly of our agricultural machinery. New investment has helped us greatly in increasing the production capacity and improving the quality of produced agricultural machinery.**

**About 70% of our production is sold on the foreign markets to over a dozen countries in the world**

**The new production facility in Psary Małe near Września, Nekielska 11F street**

**The continuous increase in sales in Poland and on the foreign markets motivates us to further investment**

**more at [www.rolmako.com](http://www.rolmako.com)**

# MACHINERY AND PARTS FOR AGRICULTURE

**Rolmako is a family company that thanks to using modern technology, collaboration with the best suppliers in the industry, continuous investment in innovative production methods and product development has become a distinctive Polish manufacturer of agricultural machinery and spare parts. The vast majority of our production goes to export markets to over a dozen countries worldwide.**



**Photos of Rolmako agricultural machinery**  
[www.rolmako.com/360](http://www.rolmako.com/360)



**U 652 Disc harrow with 3D shock absorber**



**U 479 Universal crop cultivator**



**U 632 Subsoiler with the coupler, Atlas tine, single-row**

**Modern manufacturer of agricultural machinery with its own design facility**

**More on [www.rolmako.com](http://www.rolmako.com)**

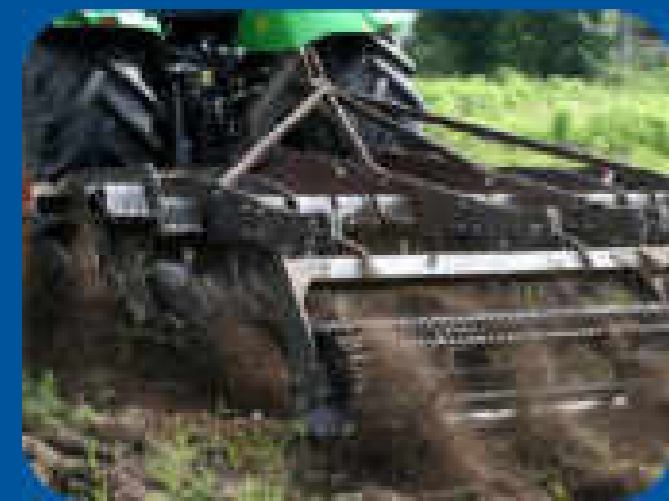




new factory sections  
**5000 m<sup>2</sup>**

**Rolmako in numbers**

Production plant occupies the area of 3.2 hectares including 9500m2 of factory shops. The company currently employs more than 150 production workers. The Rolmako company can produce more than 2000 agricultural machinery a year, much of the production is exported to the dozens of countries all around the world. Dynamic development of the company in the field of agricultural machinery and equipment, is possible thanks to the commitment of the working staff and the company's modern production methods.



**Research and product development**

Before putting into production all the Rolmako agricultural machines are subject to numerous working trials in the field. Own construction office and modern CAD design tools help us in solving many problems at the design stage, the most important for us is a test in the field and farmers' positive feedback concerning the work of our new products. It takes a long time before the machine achieves the characteristic for the company blue color, and fully completed goes to the Customer.

To the companies specialized in agricultural equipment sales who want to expand their range of high quality agricultural equipment we offer the opportunity of cooperation as a Business Partner of our company. All our machines meet the European Union standards and all safety requirements.

**Sales policy in the world**

- dynamic development of a dealer network
- clear purchase programs for regular customers
- marketing support for our dealers
- product training and equipment presentations
- professional product service based on the quality management system ISO 9001:2008.

**To our Clients we guarantee:**

- transparent cooperation conditions
- reliable quality of our machines
- on time deliveries
- the continued availability of spare parts
- professional and friendly service
- realization of individual orders by customer guidelines.

**Customer guidelines**

- competitive product prices
- favorable commission terms
- loyalty and selling support
- marketing support.

**Sales policy in the world**



**The main element of our sales' strategy is a solid dealer network, care and the development of close partnership relations with our distributors**



**Sales of agricultural machinery is realized only through the trade partners**

**more on [www.rolmako.com](http://www.rolmako.com)**



**Unusual orders**

On special request, our company can undertake the modernization and improvement of the equipment from other manufacturers. The CAD modern design tools give us great opportunities to solve many problems at the design stage. In the picture you see the developed machine with added drawbar, the transport trailer and the coupler for the drill.



Rolmako cooperates with reliable manufacturers of iron cast, power-hydraulics, springs, rubber products.



500/50-17  
400/60-15.5  
10.0/75-15.3  
195/65 R15

Depending on the weight and the conditions Rolmako machines are offered with different types of tyres.

**The modeling of machines in the 3D system and the comprehensive analysis of the structure, allow us to get quickly the optimized solution in terms of durability and strength**



**The strongest agricultural structures**



**High-quality steel**

The Rolmako agricultural machinery are produced with a great care in selection of the relevant steel products, they are manufactured exclusively of structural steel of premium strength. Richly equipped machinery allow us to make processing of these materials - cutting metal sheets using laser, plasma and gas processing, bending and stamping on 2000 tons presses of pressure. All this makes it possible to produce machine components of high quality metal sheets and profiles.

The materials used for the production of Rolmako machinery:

- thick profiles and structural metal sheets S355 with increased durability
- fine-grained metal sheets S420MC
- friction-resistant steel Hardox and Raex
- C45 carbon steel for thermal improvement
- metal sheets for precise laser processing.



**Quality and efficient welding of construction units**

The welding robot is used by Rolmako in repetition work, where the high quality, repeatability of welds and reliability of work are demanded.



**Heat treatment of agricultural machinery parts**

Machinery components, which are subjected to constant wear and have an influence on the life of the machine are subject to a hardening treatment.



All parts of the Rolmako machines are covered with powder coating. The company has three painting departments for coating, that gives us great flexibility and efficiency in the execution of the orders.



**Laser technology**

The use of laser for metal sheets' processing guarantees that the Rolmako agricultural machinery customers get highly esthetic elements, that fit perfectly and are always repeatable in production.



**Design department**

Rolmako staff is constantly working on new technical solutions, that ensure the continuous development of manufactured agricultural machinery. With SolidWorks software, we are able to perform complex composite structures starting from the design and visualization, till to the execution in our manufacturing plant.



**To the production our company has implemented a robotic welding of the constructions and of the steel components in a gas cover (CO2, argon). This significantly influences on the production's efficiency and quality of manufactured parts for agricultural machinery. The precision of performed welding operations considerably exceeds the precision of a human's work.**



**Robotic welding  
MOTOMAN**



The profiles are cut on precise CNC band saws.



The welding station is equipped with two rotary tables with a capacity of 1500 kg and a vertical axis of exchange positions, welding range 3500mm x 1600mm.

Advantages of welding with MOTOMAN robots

- high-quality welding joints
- weld repeatability  $\pm 0.1$ mm (joint's location and dimensions)
- higher than before the agricultural machinery elements quality and precision of realization
- increasing of productivity in a welding workshop.



Sample details undergone qualitative laser treatment by the TRUMPF machine of 5 kW capacity.

**Design and construction**

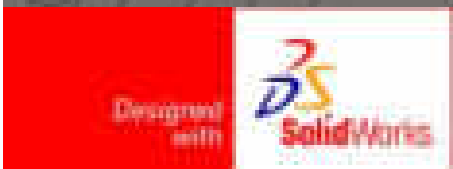
Our own design facility allows us to actively make changes and improvements in our products. Modern engineering tools in CAD designing enable us to eliminate many of the problems that could arise during the machine operation even at the project stage.

The crew working in the facility are young people with one goal: to build reliable agricultural constructions that will differentiate Rolmako in terms of the quality of work of manufactured agricultural machinery.

Internal design office grants us great flexibility and responsiveness in adapting agricultural machinery for a specific customer needs.

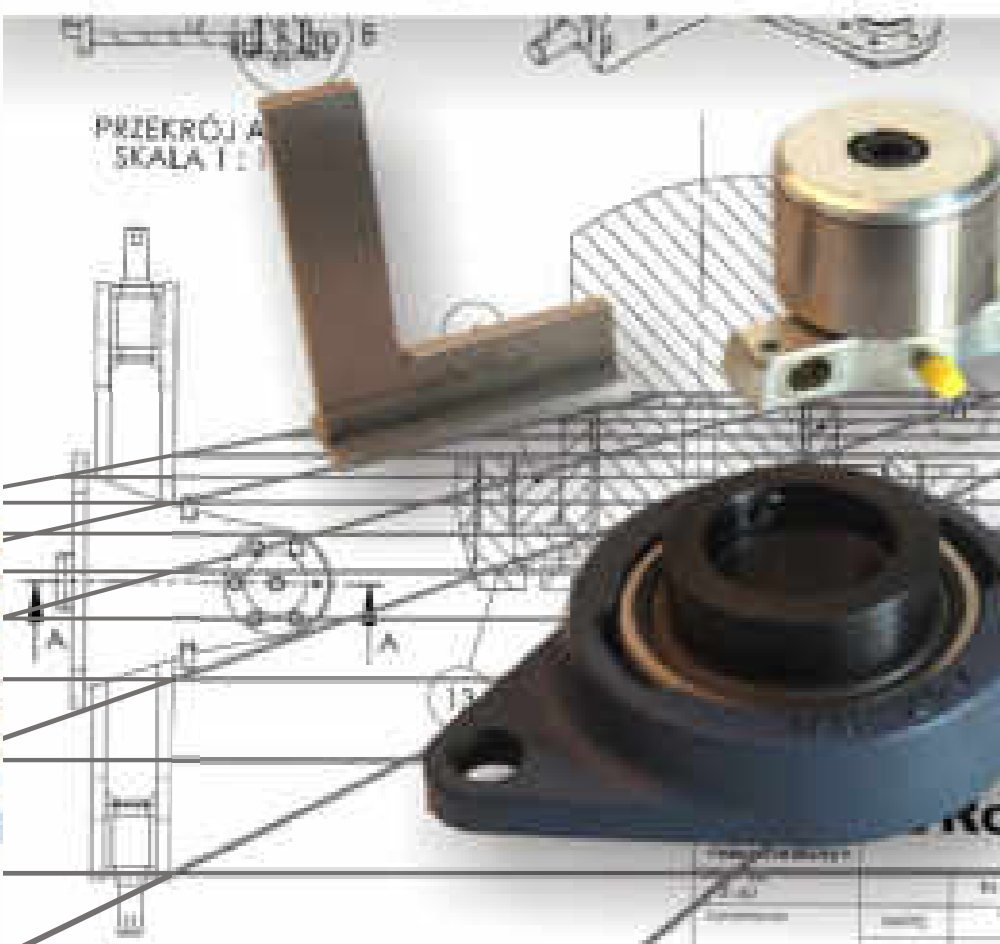
**Professionally,  
according to  
individual needs**

**We offer our support  
and implementation  
of new technical solutions  
for our clients**

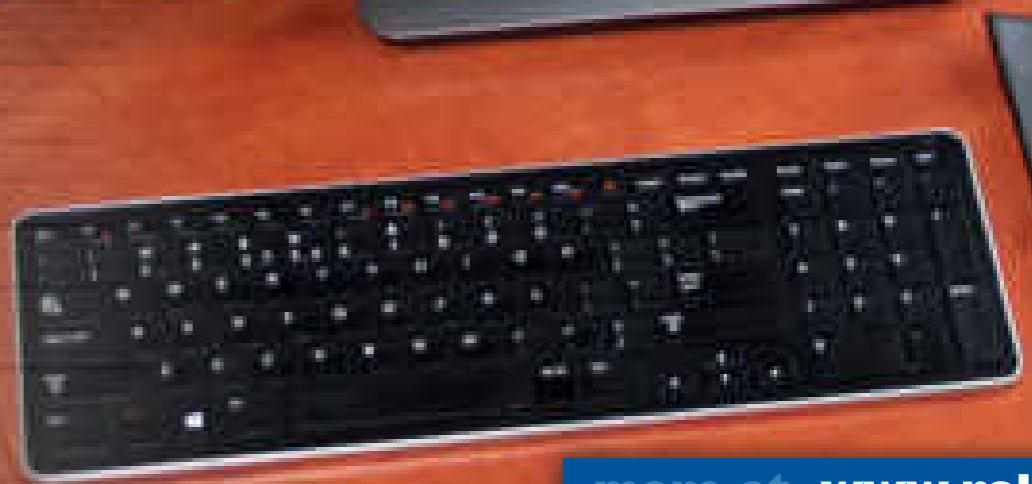
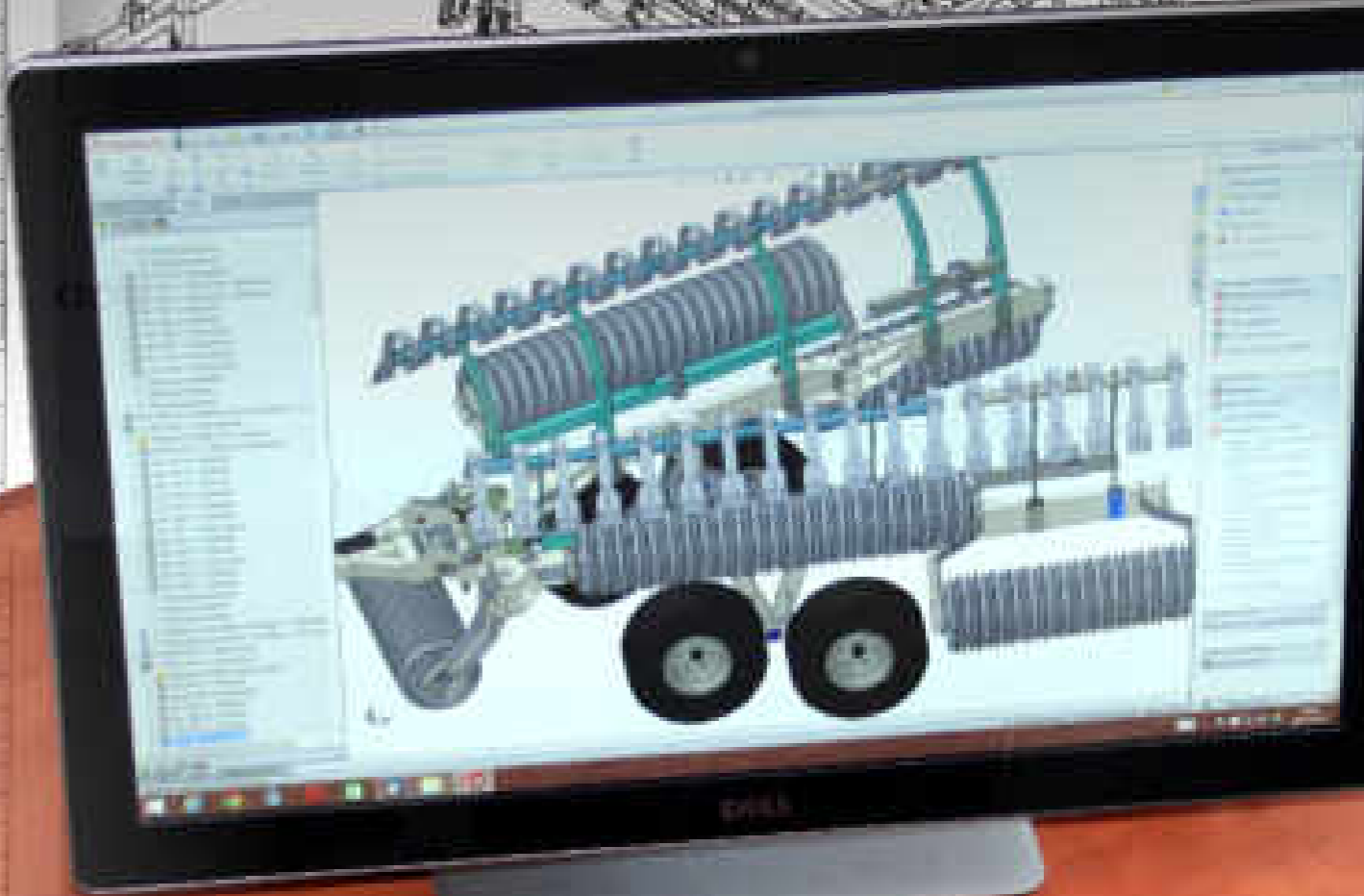


**BRONA SKŁADANA**  
Siatka ramy  
4,0SH; 4,5SH; 5,0SH i 6,0SH

NR EL	NUMER CZĘŚCI	OPIS	KODC
1	BC-08	Ø 13 mm	4
2	B-115	butelka zabezpieczająca	2
3	BC-02	Ø 20 mm	1
4	BC-01	Ø 20 mm	1
5	BC-01	Ø 20 mm	1
6	BC-04	Ø 20 mm	1
7	BC-XS11	Ø 15 mm	1
8	BC-747	tuleja 187-5x100 2 - 30	2
9	BC-745	Ø 10 mm	2
10	B-114	plata łącząca	1
11	B-116	plata łącząca	1
12	MT2 -		
13	rodzina		
14	5-5.110		
15		wał Ø 70x255	1
16		wał Ø 22	1
17	BC-31	tuleja 188-10x100 2 - 130	2
18	BC-05	Ø 22 mm	1
19	BC-712	tuleja 188 - 175 - 100,5 x	2
20	BC-103	wał Ø 55 x 252	1
21		Ø 15 mm; rozstaw 85	1



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8	BC-747	tuleja 187-5x100 2 - 30	2
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19	BC-712	tuleja 188 - 175 - 100,5 x	2
20	BC-103	wał Ø 55 x 252	1
21		Ø 15 mm; rozstaw 85	1



**Designing of agricultural machinery is our passion, that's why we are continuously taking up new challenges**



We offer you the opportunity to design an agricultural machine according to your guidelines and objectives and the ability to customize machines Rolmako to your needs.

Coordinated crew would be happy to share their own experiences and use them for executing new orders for our customers. At each stage of the project we enable the active presence of our customers.

We offer professional consulting in choosing the right design and selecting the optimal solution.

# Our mission

Our goal is to provide Customers with products and services of the highest quality that will help them to achieve the maximum recoupment of capital investment.

## Solid structure

The products were designed to work in the toughest conditions, day after day, year after year. Machines meet high durability requirements, guarantee high reliability and safety.

## Farmer-friendly solutions

Before sale agricultural machines are subjected to numerous tests. The combination of workers' knowledge and satisfied customer orientation forms the basis of solutions for practical applications.

## CE Certificate

All the manufactured machines are CE certified issued by the Industrial Institute of Agricultural Engineering in Poznan.

## Improvements implementation

Company staff each day works on the optimal development of all products, making changes is inspired by our clients, as well as the result of the company's machines practical testing in the field.

## Products adjusted to the needs of the farmer

Practical experience has allowed us to develop agricultural machinery suitable for use in all conditions, a comprehensive list of available optional equipment allows the machine to fit the needs of each farmer.

## Varnish coating

Electrostatic painting with powder paint is a modern method, adapted to the global requirements. This technology allows to obtain a smooth surface with no streaks with high resistance to mechanical damage and weathering.

## Larger production capacity

From the beginning, the company recorded a continuous growth and increase of production. Currently in production plant in Psary Małe near Września more than 150 production workers are employed.



**Experience - Reliability - Aesthetics - Safety**

**Trust the blue agricultural machines**

**Working elements from reputable manufacturers**

Spare parts  
World famous tillage systems consisting of commercially available working components are used in the Rolmako machines.



**Our partners**



**OFAS Italy**

Worldwide recognized and respected manufacturer of working elements for the agricultural machinery. The use of high quality steel with unusual hardness and abrasion resistance obtained by heat treatment of working elements in the Rolmako agricultural machines, allows you to reduce the cost of soil cultivation on the farm.

**scharmüller**



**Scharmüller Austria**

We advise Scharmüller hitching mechanism in the heavy machines of Rolmako, designed for many thousands of hard working hours. Resistant and durable, it allows to use the possibilities of coupled machines in an optimal way.



**Schumacher Germany**

The manufacturer of the planetary gear, which is responsible for the drive transmission on the level of the horizontal cutting knife in all modern combine harvesters. This solution is used successfully for many years in the rapeseed harvesting extensions. The use of original subassembly allows to mow the rape with achieving the maximum rape harvest per hectare.

Thanks to the use of modern technology (laser machining, plasma cutting, automated welding, steel blasting, powder coating) and collaboration with the best suppliers in the branch the Rolmako company has become the leading Polish manufacturer of agricultural machinery, that constantly invests in innovative methods of production and products development.



**TRELLEBORG**



In the heavy machines branded wheels are used suitable for agricultural harsh working conditions.

**ZIEGLER**



Vertical side knife ZIEGLER (formerly known under the brand named MORTL) as an option are used for production of rapeseed harvesting extensions.

**TRUMPF**



Supplier of advanced laser machines for metal processing, using this technology allows to obtain a very precise and smooth line of cutting.



**FLT Krasnik Poland**

Movable working units in the Rolmako machines as a standard are mounted on the hubs with tapered roller bearings that can move any combination of radial and axial loads, ensuring the longest life.

In accordance with expectations of customers, our company manufactures maintenance-free hubs, which bearings are maintenance free. In the Rolmako machines can be found Polish FLT Krasnik, American TIMKEN and Slovak ZVL bearings.



## Our partners



*scharmüller*

**ZIEGLER**



When purchasing original spare parts from Rolmako, you can be rest assured that you will receive high quality products. Genuine replacement components have the same performance standards, such as those supplied with the new machines, ensuring: durability, safety and long service life. All of the parts have been designed for optimal performance of our machines and only original components can guarantee their top quality.

Rolmako machines for agriculture are designed with the user and trouble-free daily exploitation in mind, so by buying the machine you will not have any problems with the availability of the most popular spare parts. It is important that the Rolmako products use high-quality components from renowned manufacturers recommended by the company.



# Why Rolmako?

## - Individual customer approach

The highest qualifications allow us to adopt a personal approach to the Client and adapt to his specified requirements. We ensure our present and future Clients the highest quality and constant improvement of provided services. We offer the most expedient and comprehensive agricultural solutions on the market.

The fundamental step in fully satisfying our Customer is detailed consulting and identification of his particular needs. We are doing everything in our power so that farmers using our products are fully satisfied. The key to finding the most feasible solution is the identification of individual clients' needs.

## - Good value for money

An excellent price/quality correlation makes our products one of the bestselling products on both Polish and foreign agricultural markets. We realize that the highest quality of our products is the foundation of a productive partnership. We concentrate our efforts on complex, professional customer service. Each product is individually suited to match your needs and deliver the maximum financial and productive satisfaction.

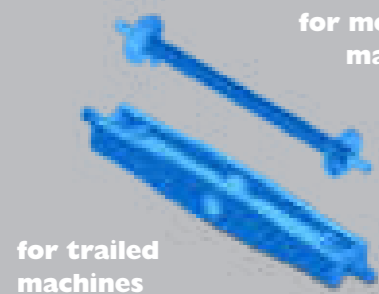
## - Years of experience in agricultural branch

Our vast agricultural experience has led to the creation of our company's wide range of products and services. Rolmako continues to introduce a brand new selection of agricultural machines and spare parts. The experience gained over the years of catering to the agricultural market results in the constant improvement of production processes, allowing to fully satisfy the farmer's needs with Rolmako machines. We wish to turn our vast experience in the field of agriculture into the success of your company.



# Season without any problems

more on [www.rolmako.com](http://www.rolmako.com)



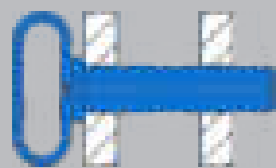
for mounted machines

for trailed machines

Hitching beam in the trailed version has successfully passed numerous tests conducted in the Automotive Industry Institute (PIMOT Warsaw). Rotating elements are equipped with washers and heavy-duty bushings which require no lubrication.



**Hitching beam**



**hitch pin**



the trailed machine

the mounted machine

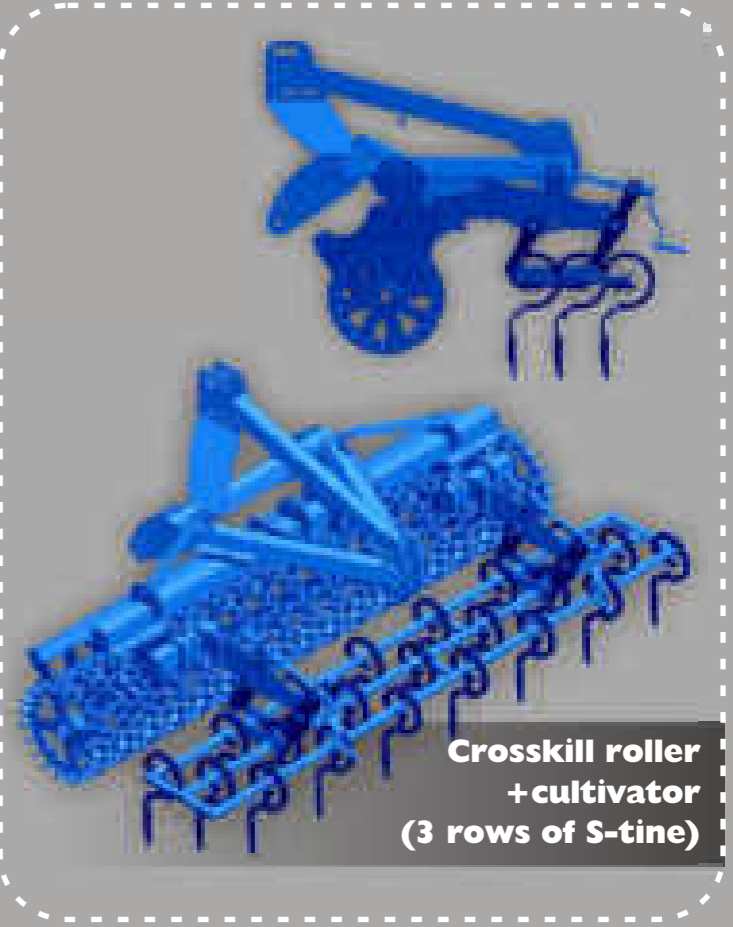
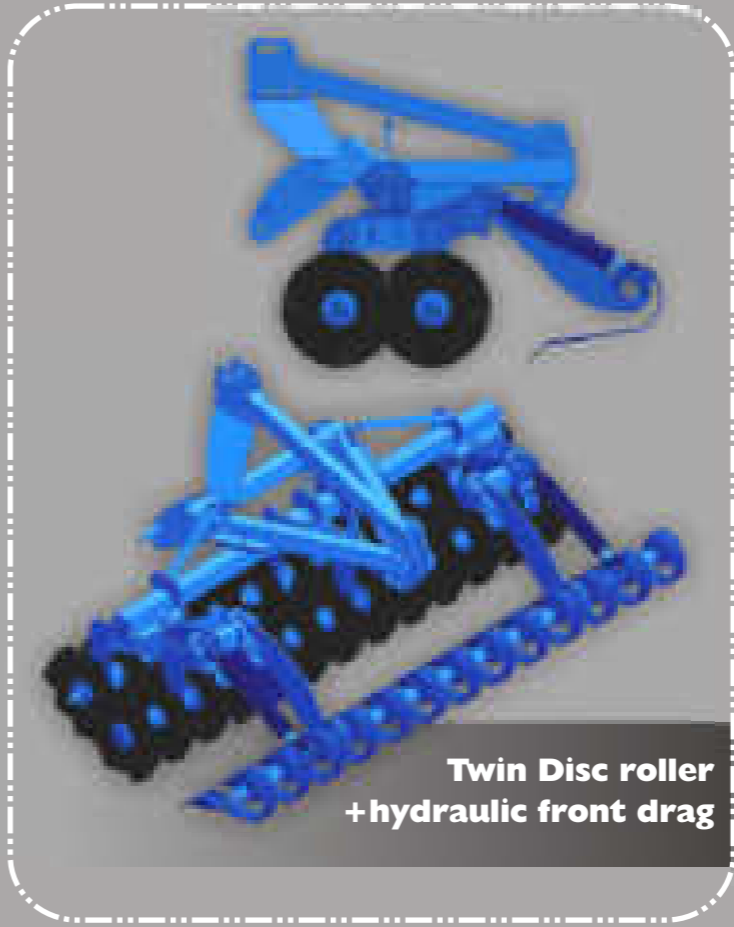
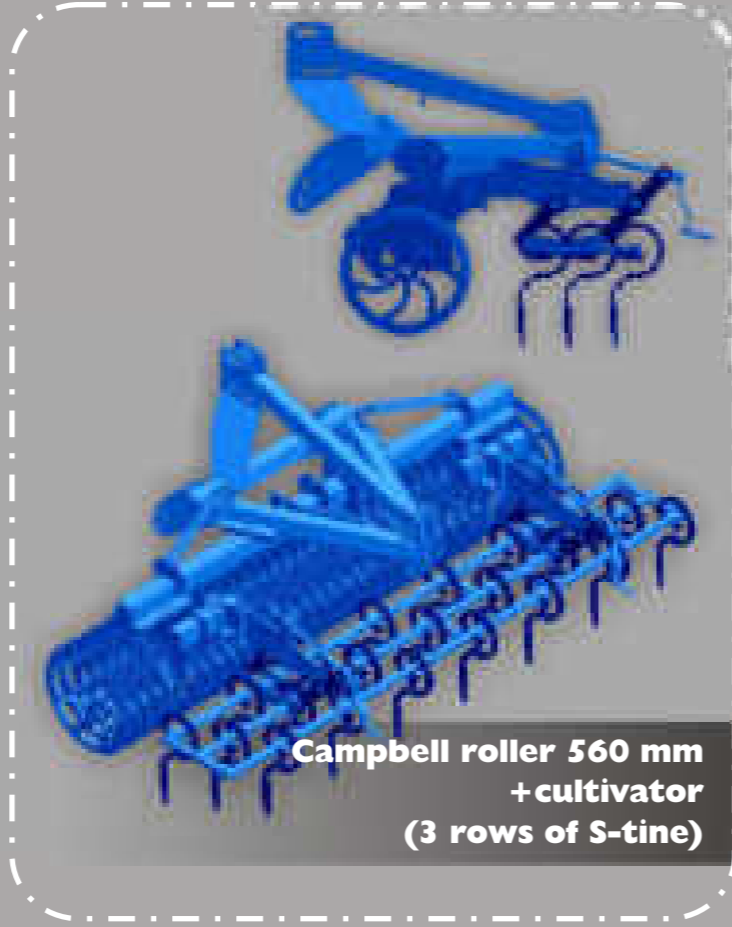
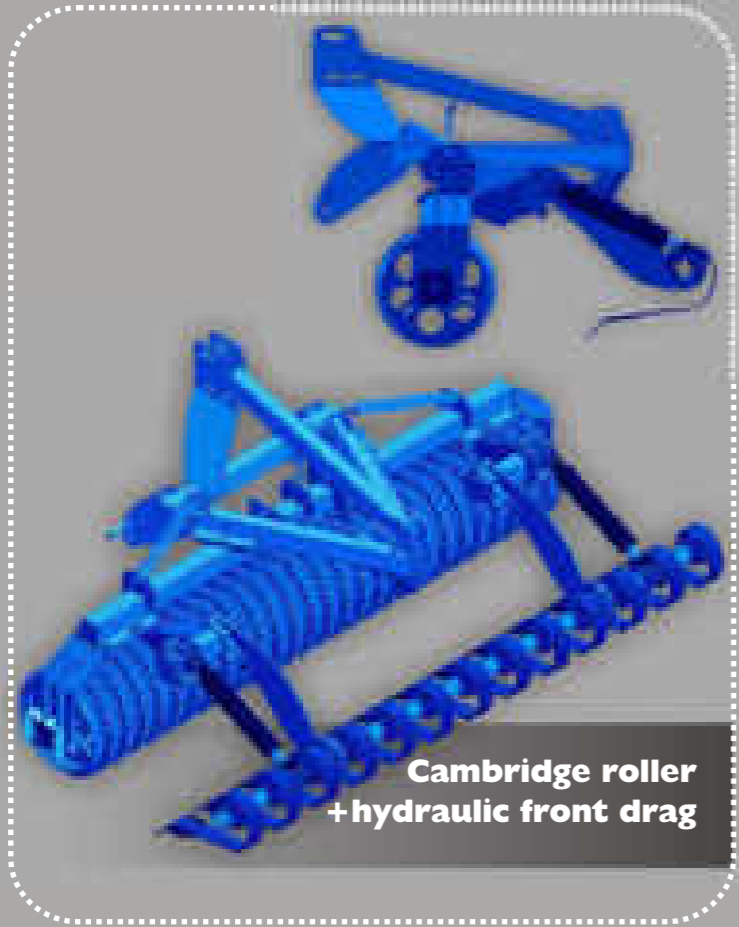
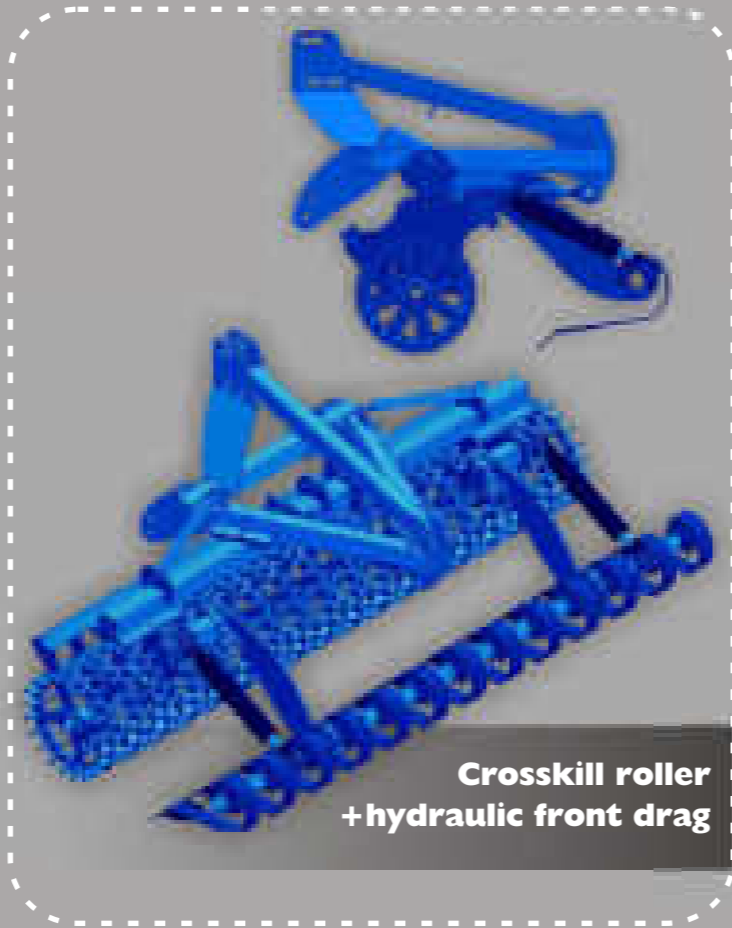
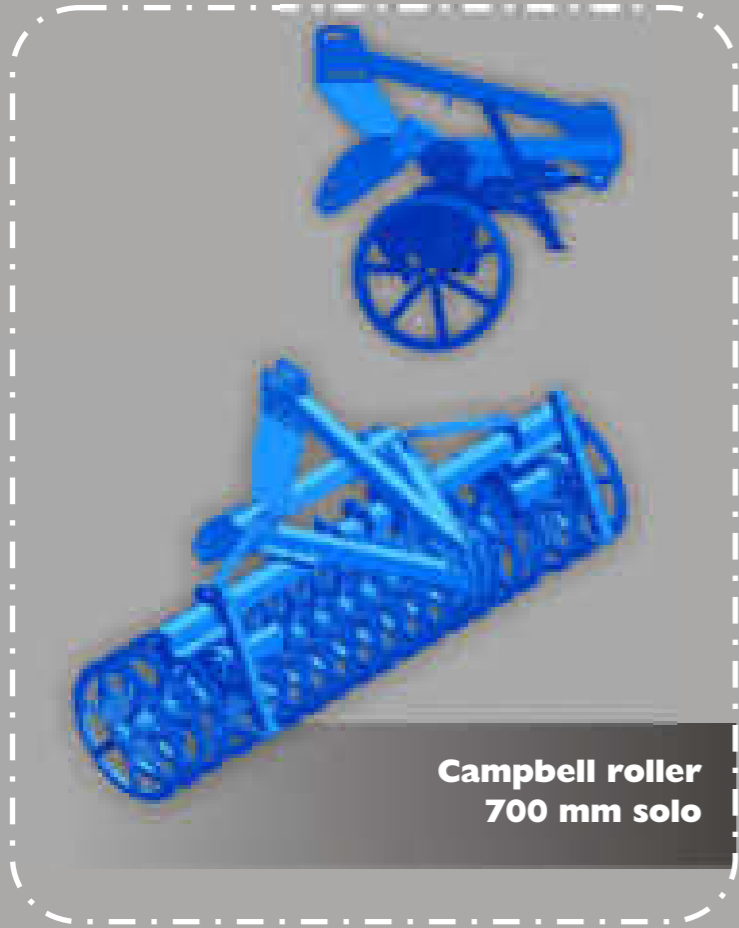
Table of hitches in tillage machines

MACHINE TYPE	WORKING WIDTH	THREE-POINT LINKAGE CATEGORY	HITCH TYPE
Machines on the tractor's front three-point linkage	2,5 - 3,0 m	II	hitch pin
Tillage cultivator U 382	3,0 - 6,0 m	II and III	hitch pin
Seedbed cultivator U 659	2,5 - 3,0 m	II/III*	hitching beam
Seedbed cultivator U 659	4,0 m	III	hitching beam
Compact seedbed cultivator U 684	2,5 - 3,0 m	II and III	hitch pin
Compact seedbed cultivator U 684	4,0 m	III	hitch pin
Compact seedbed cultivator U 684	trailed version	III	hitching beam
Light disc harrow U 622	2,7 - 3,0 m	II/III*	hitching beam
Light disc harrow U 622	3,5 - 4,0 m	III	hitching beam
Disc cultivator U 693	2,7 - 3,0 m	II and III	hitch pin
Disc cultivator U 693	3,5 - 6,0 m	III	hitch pin
Disc cultivator U 693	trailed version	III	hitching beam
Disc harrow for vineyards and orchards U 645	1,25 - 2,00 m	I and II	hitch pin
Disc harrow U 652	3,0 - 4,5 m	III	hitch pin
Disc harrow U 652	trailed version	III	hitching beam
Heavy stubble harrow U 671	3,0 - 4,0 m	III	hitch pin
Heavy stubble harrow U 671	trailed version	III/IV*	hitching beam
Universal cultivator U 497	3,0 - 6,0 m	III	hitch pin
Universal cultivator U 497	trailed version	III	hitching beam
Stubble cultivator U 453	2,1 - 3,0 m	II/III*	hitching beam
Stubble cultivator U 453	3,9 m	III	hitching beam
Multifunctional tillage cultivator U 436	2,6 - 4,0 m	III	hitch pin
Multifunctional tillage cultivator U 436 PRO	4,0 H i 4,5 m H	III	hitch pin
Multifunctional tillage cultivator U 436	5,0 - 6,0 m	IV	hitching beam
Subsoiler U 602, U 608, U 614, U 619, U 632	1,6 m	II and III	hitch pin
Subsoiler U 602, U 608, U 614, U 619, U 632	3,0 - 4,0 m	III	hitch pin
Multi-purpose subsoiler U 638	2,5 - 4,5 m	III	hitch pin
Multi-purpose subsoiler U 638	5,0 - 6,0 m	IV	hitching beam
Rollers for field leveling and soil lumps breaking	5,0 - 9,4 m	III	hitching beam

\*) possibility of choosing a category by the customer.

**Hydraulically foldable tillage machines constitute the highest percentage of Rolmako's overall production**

more on [www.rolmako.com](http://www.rolmako.com)



**Machines on the front tractor three-point linkage are the perfect solution for the rising cultivation costs through performing additional work within a single tractor passage**

# Rolmako Cambridge, Crosskill, Campbell, Twin Disc ...? What to mount on front tractor three-point linkage?

Rolmako presents the variety of the cultivation rollers designed to operate on the front linkage of the tractor. Single rollers can also be installed on the rear three-point linkage. Versatile frame design allows you to mount any roller system from our offer. Using the machine in front instead of the front axle weights allows to obtain better cultivation results. The optional addition in form of cultivator allows you to get a seedbed tillage machine supporting pre-sowing. The combination of roller and drag creates an ideal tool for arable operations following the plowing. Twin Disc roller is the most aggressive proposal on the front tractor linkage, ideal for pre-sowing after plowing and crop stubble work as an additional support for stubble cultivators and disc harrows.

## Tillage combinations mounted on the front linkage



**Cambridge roller**

1. Cambridge roller Ø 530
2. Cambridge roller + drag
3. Cambridge roller + cultivator (2 rows of S tines)
4. Cambridge roller + cultivator (3 rows of S tines)



**Crosskill roller**

1. Crosskill roller Ø 500
2. Crosskill roller + drag
3. Crosskill roller + cultivator (2 rows of S tines)
4. Crosskill roller + cultivator (3 rows of S tines)



**Campbell roller**

1. Campbell roller Ø 560/700
2. Campbell roller + drag
3. Campbell roller + cultivator (2 rows of S tines)
4. Campbell roller + cultivator (3 rows of S tines)



**Twin Disc roller**

1. TwinDisc (double roller)
2. TwinDisc (double roller) + drag
3. TwinDisc (double roller) + Cultivator (2 rows of S tines)
4. TwinDisc (double roller) + cultivator (3 rows of S tines)



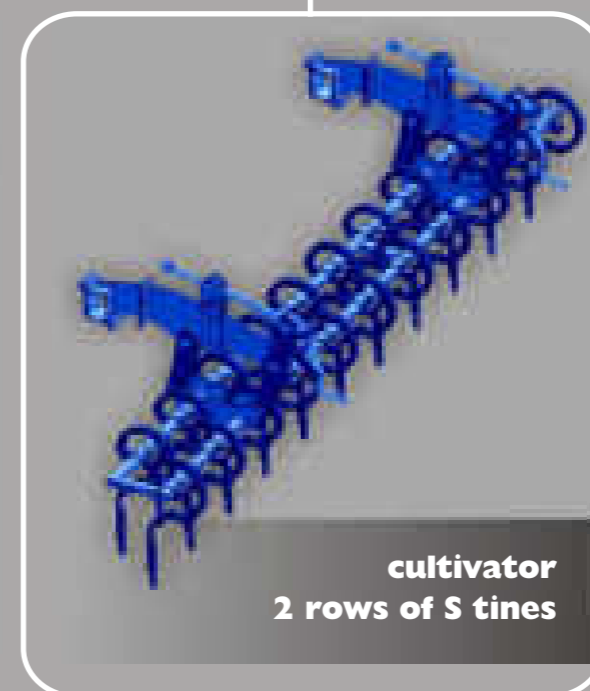
**mechanical drag**



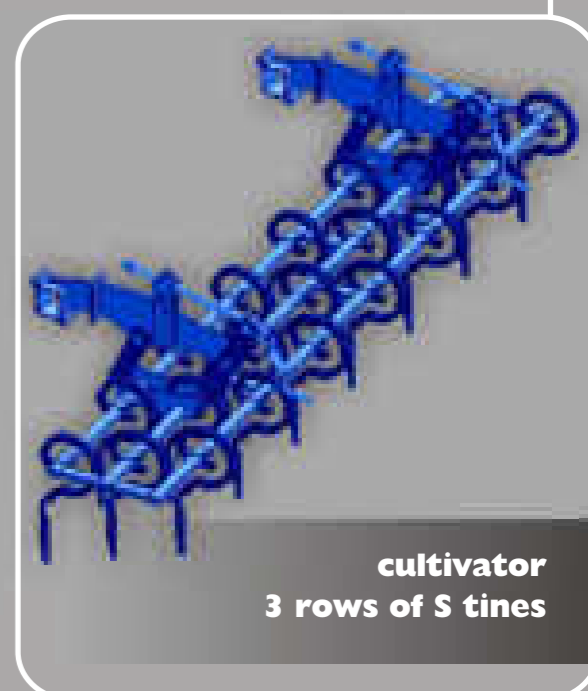
**hydraulic drag**  
45x10 spring, 100 mm runner



**Hydraulic drag 80x10 mm**  
spring, 150 mm runner



**cultivator**  
2 rows of S tines



**cultivator**  
3 rows of S tines

Our machines proposals mounted on front three-point tractor linkage are only a small part of our capabilities and solutions we can offer. Different combinations could also be manufactured on request.

more at [www.rolmako.com](http://www.rolmako.com)

# Machines on the front tractor three-point linkage

The most often used tools in front of the tractor:

- Cambridge roller 530 mm
- Crosskill roller 500 mm
- Twin Disc roller 470 mm
- Campbell roller 560/700 mm
- a roller of steel rings 600 mm
- Orion roller 500 mm

Optional equipment:

- mechanical or hydraulic drag
- cultivating extension consisting of two or three rows of tines

**Front packer and rear rollers**

**Rolmako as one of the few manufacturers of cultivating tools has a wide range of cultivation solutions, which are mounted at the front of the tractor, and they allow to conduct the work in front of the tractor. The second machine is mounted on the same tractor, but on its rear jack.**

**Rollers on the front three-point linkage in the SOLO version can be extended with additional optional tools in the form of a drag or SU tines**



**Cambridge roller on the front tractor three-point linkage equipped with a two-row cultivating extension with SU straight spring tines + optional auxiliary spring**

In the cultivating extensions, the adjustment occurs in a stepless manner with the use of a lever. A tine depth scale was mounted on the machine.



**The objective is always the same, that is to maximally use the tractor capabilities during one application**



Crossboard drag occurs in several variants, which differ from each other in the spring dimension and skid width. In case of difficult conditions, an optional stabilisation beam, which connects the operating elements together for even better levelling results, can be mounted. When a hard crust is formed of the field surface, it is appropriate to use an aggressive skid with DoubleKnife tines.



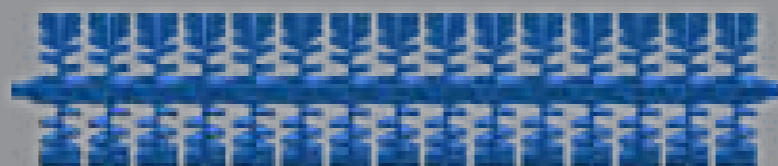
Operating elements protected with springs against excessive load. The frame turning is possible owing to the front joint, the rollers in guides and slides are made of polyamide.



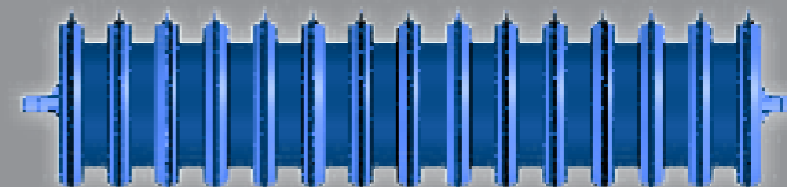
In case of excessive overloading, the spring stretches and allows all the operating elements to move, at the same time, absorbing excessive overloads.



**Crosskilled roller 500 mm**



**Roller of steel rings 600 mm**



**The special turning mechanism built into the upper linkage, which protects the tractor and the machine against excessive overload**



*Campbell roller with rings with a diameter of 700 mm*

**Three-row cultivating extension equipped with 32 mm x 12 mm tines with an auxiliary spring**

**Cleaning chains were mounted between the rings**

The roller of steel rings with a diameter of 600 mm is constructed of rings made of boron steel subjected to hardening, as a result of which hardness varies within the tolerance of 48-52 HRC

The roller of steel rings (often called DD) was created for operation in the conditions, which the rollers made of even the best cast iron cannot meet. The rollers made of sheet metal perfectly operates on stony fields.



In order to create the ideal conditions for sowing and to limit the number of trips/passings through the field before this operation, it is economically justified to support the operation of a section of operating seedbed cultivators by mounting different types of packer rollers on the front tractor three-point linkage



**Instead of a dead ballast – perform the right work in front of the tractor**

more on [www.rolmako.com](http://www.rolmako.com)



**Most of the agricultural tractors sold today are equipped with a front hydraulic jack. By meeting the farmers' expectations, our company introduced numerous proposals of the machines mounted in front of the tractor, so that the cultivation possibilities are increased.**

**All the machines on the front tractor three-point linkage are equipped with a column consistent with the second category of the agricultural hitch. In Rolmako machines, all the axes of rollers are completed for bearings with a diameter of 50 mm. Standard maintenance bearings of rollers can be replaced with optional maintenance-free bearings.**



Campbell is a roller of deep operation. It is made of a number of narrow rings with a diameter of 560 mm or 700 mm, spaced at large distances. In the loosened soil layer, such a roller is called an upper subsoil horizon packer, and it penetrates the ground very well. It is mainly used in order to accelerate the soil settlement after ploughing.



Cambridge type rollers are characterised by an intense crushing activity. They consist of two types of operating elements: smooth, flat rings with cutting discs, which are alternately placed with cogged discs. The discs have a larger diameter than the rings, and their task, in addition to crushing, is to prevent the roller from clogging with wet soil.



## Twin Disc roller with Crossboard drag

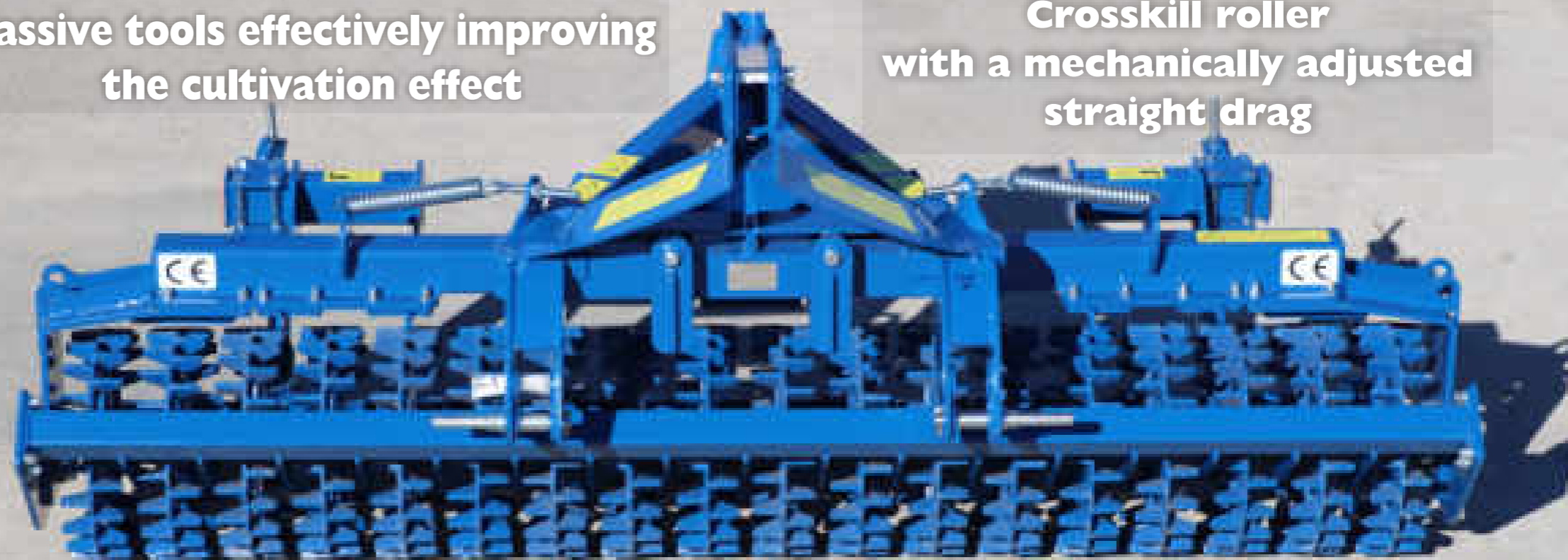


*Twin Disc is the most aggressive solution available for operation in front of the tractor*

**One universal supporting frame, to which the rollers and other cultivating tools, selected by the Customer, are tightened**

**Passive tools effectively improving the cultivation effect**

**Crosskill roller with a mechanically adjusted straight drag**



**CrossKill roller is an ideal tool for operation in front of the seedbed cultivator. It effectively prepares the soil for further operation effectively levelling and crushing the solid lumps.**

**By equipping the Crosskill roller, e.g. with a three-row cultivating extension, we obtain a tillage cultivator mounted in front of the tractor.**

**more on [www.rolmako.com](http://www.rolmako.com)**



The rollers equipped with Campbell rings are manufactured for demanding operation after ploughing. The cleaning chains are designed to reduce the accumulation of large amounts of soil between the rings. Owing to the special profile, Campbell rings penetrate the soil and result in its compaction.



The mechanical drag with a spring shock absorber. A simple and effective levelling tool, the depth adjustment is carried out by repositioning of a pin in two points to the right hole without using the tools.

When there is the need for cultivation with tines, it is possible to successfully mount the extension with the cultivator tines.



## Cambridge roller 530 mm with two rows of SU tines 32x12 mm



**Efficient and reliable roller  
with a self-cleaning effect**

**In case of crushing and compacting the soil top layer, the ring rollers of Cambridge or Crosskill type are used. Campbell rings and their various combinations with other tools are intended for deep operation on the ploughed ground.**

## Campbell roller 700 mm



**SU tine with an auxiliary  
strengthening spring**

**Standard grey cast iron  
or optional spheroidal cast iron**



The front tillage roller for preliminary, pre-sowing additional tillage of soil, in front of the tractor, improves the tractor driving conditions and the final cultivation effect of the machines mounted at the rear of the tractor.

More and more farmers and service companies introduce Rolmako tools on the front tractor three-point linkage to their work, and these are well thought-out and constantly improved constructions, which improve the soil cultivation with no extra expense.



The Crossboard drag operation is controlled by a flow divider, which provides smooth operation of actuators of this tool.





The machine mounted on the front three-point linkage allows to perform more than one operation at the same time, using the tools in front of and behind the tractor.

In the catalogue, the basic tools on the front three-point linkage were presented, and Rolmako can manufacture any machine for specific needs of the Customer on a special order. Instead of heavy rollers, the manufacturer can use other lighter pipe or string rollers, etc.



Heavy rollers improve the tractor controllability, and thus, they adopt the front ballast role.



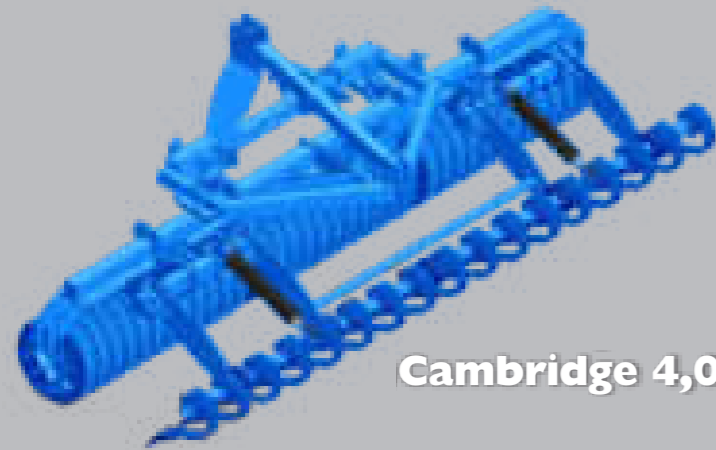
The soil compaction with the use of Campbell roller significantly reduces the agrotechnical period between ploughing and sowing

Better and faster cultivated area with less expenditure on cultivation



One of the flagship tools on the front three-point linkage is Campbell roller, which owing to mounting in front of the tractor positively affects traction, and it allows for its additional use

more on [www.rolmako.com](http://www.rolmako.com)



**Cambridge 4,0 m**

**Machines on the front three-point linkage**

The widths of 3.5 m and 4.0 m are manufactured on a special order

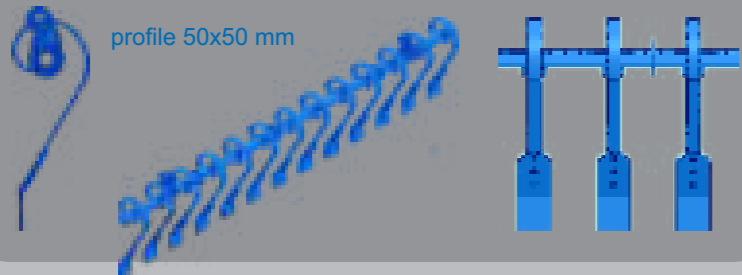
In addition to the basic offer, the manufacturer offers the possibility of designing a non-standard combination of tools on the front tractor three-point linkage. It is possible to manufacture a machine with a width of 3.5 m and 4.0 m. The machines in the rigid version exceeding 3.0 m during transport are not admitted to use on public roads.

**ORION roller rings**

Self-cleaning rings in the shape of a star with a varying diameter, alternately positioned, compact the soil in two layers. Aggressively cogged Orion roller – effect – the soil is compact underneath, and loosened on the top. Wear-resistant castings (GGG50 cast iron). Better seed layer, with a low number of working passings.

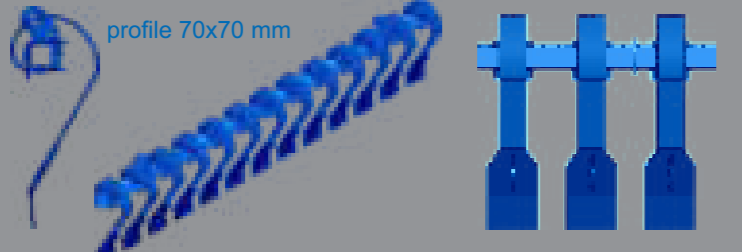
**Different variants of the front Crossboard drag**

Standard Crossboard hydraulic drag



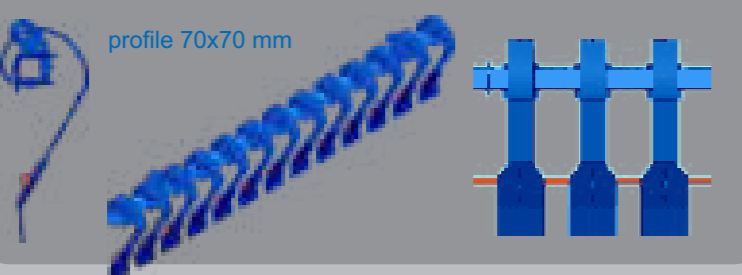
- spring 45x10 mm  
- skid 100 mm

Heavy duty Crossboard drag



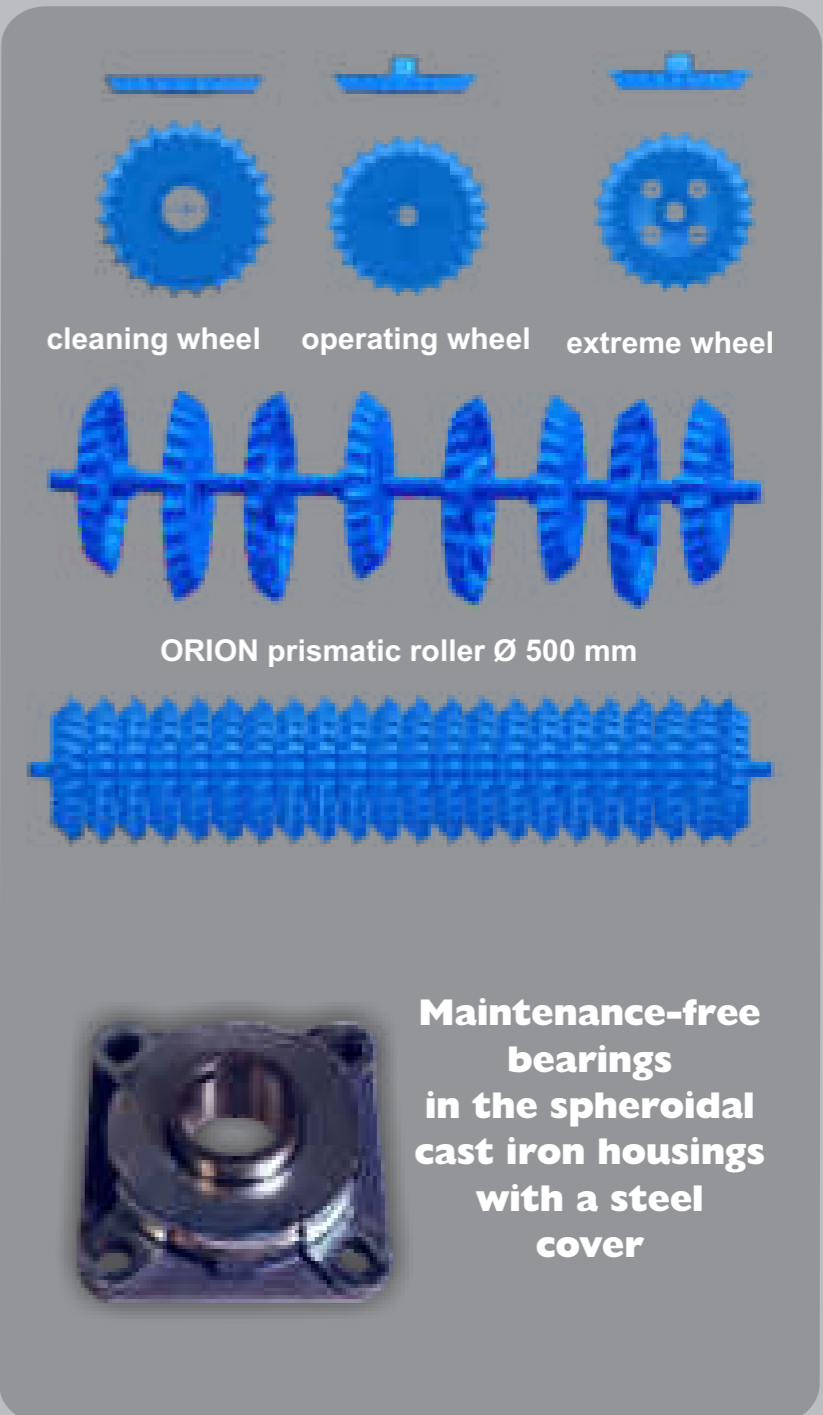
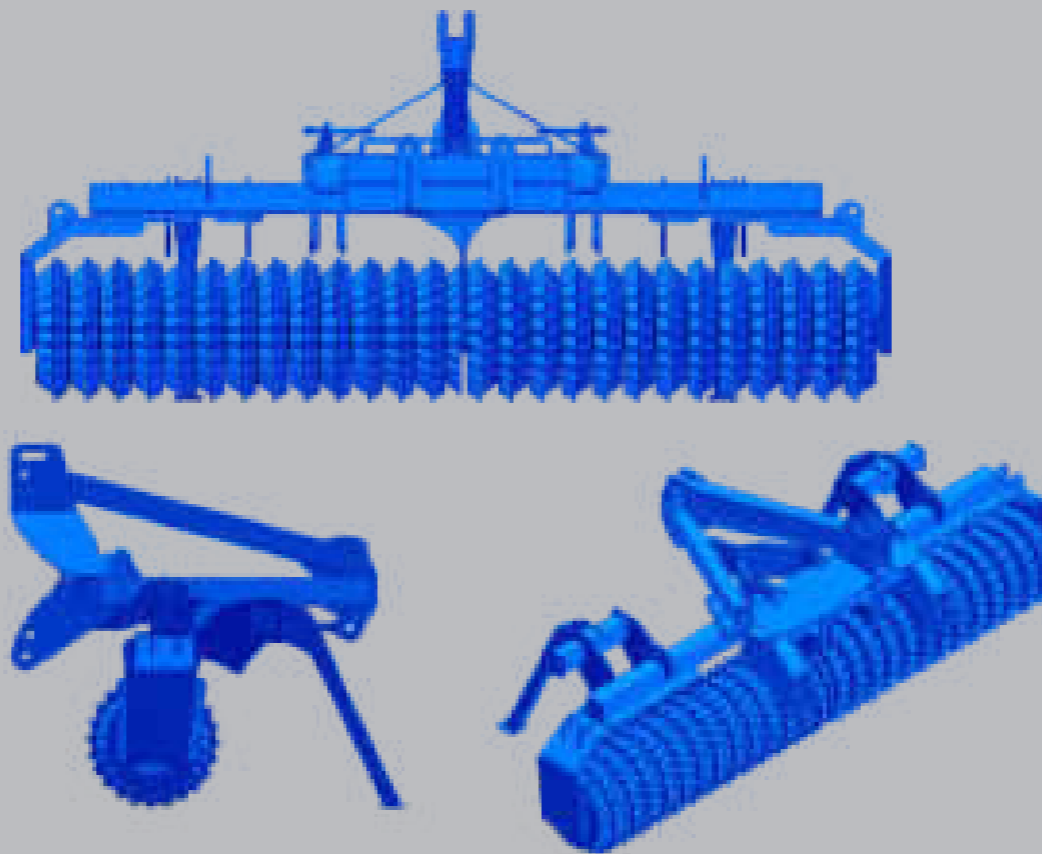
- spring 80x10 mm  
- skid 150 mm

Heavy duty Crossboard drag with a stabilisation beam\*



- spring 80x10 mm  
- skid 150 mm  
- stabilisation beam

\*) element stiffening by connection of all the drag springs improves operation effectiveness.



cleaning wheel operating wheel extreme wheel

ORION prismatic roller Ø 500 mm

**Maintenance-free bearings in the spheroidal cast iron housings with a steel cover**

**ORION prismatic roller on the front tractor three-point linkage in the SOLO version**



Cambridge roller Ø 530 mm

Crosskill roller Ø 500 mm

Twin Disc roller (two rows of corrugated discs Ø 470mm)

Roller of steel rings 48-53 HRC Ø 600 mm

Campbell roller Ø 560/700 mm

ORION prismatic roller Ø 500 mm

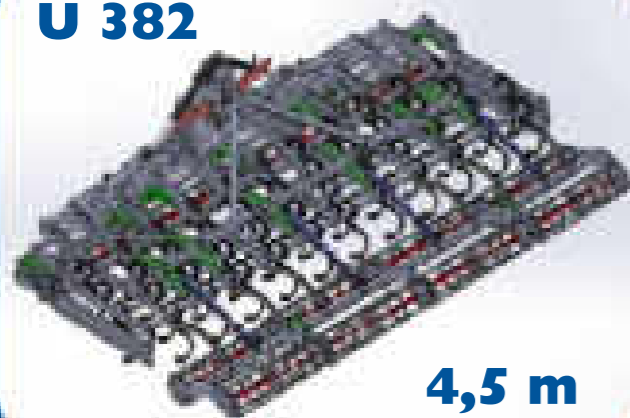
Technical data	Cambridge roller	Crosskill roller	Twin Disc roller
Working width			
	3,0 m		
Weight*	1310 (KG)	905 (KG)	935 (KG)

\*) weight of the machines with standard equipment.

Technical data	Roller of steel rings	Campbell roller	ORION prismatic roller
Working width			
	3,0 m		
Weight*	950 (KG)	940 (KG)	1240 (KG)

\*) weight of the machines with standard equipment.

**U 382**



**4,5 m**

Seedbed cultivator U 382 is designed for a seedbed tillage. It is used for loosening the topsoil, breaking and crushing the lumps of the crusted surface of a field and compacting the ground to improve the water infiltration. The unit is useful particularly for the crops that require equal field surface.



SU tine (spring 32 mm x 12 mm) fitted in four rows, reinforced as standard. Spring tooth is finished with a basic coulter of 35 mm width or 100 mm as an option.



**Lightweight design with a four working areas: string front roller, four rows of a strong spring tines and an effective double string roller on the back is the ideal unit for the compacting and leveling tillage along the whole operating width.**

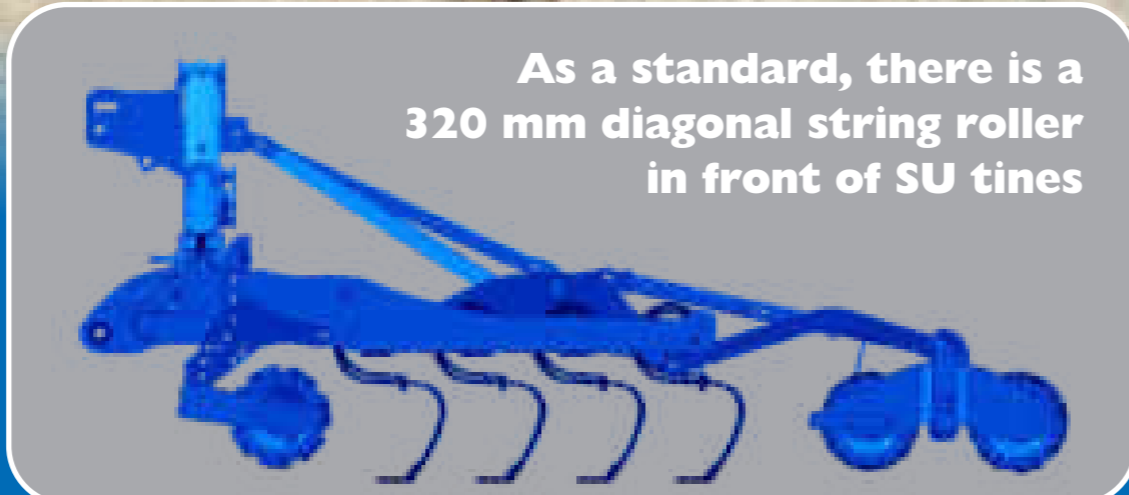
**The string cogged rear double roller ensures optimum depth control, good crushing and field leveling.**



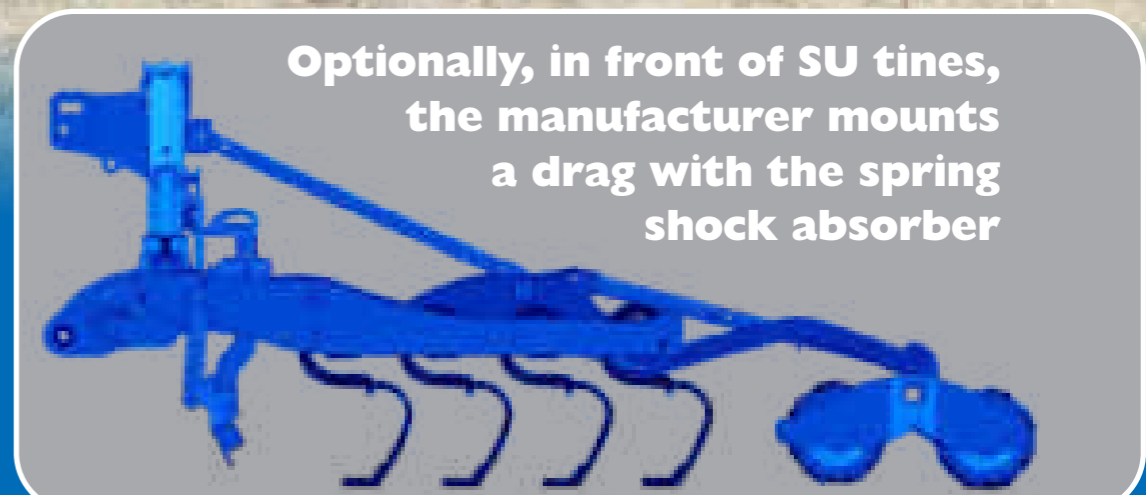
*SU tine reinforced as standard*



**Rear cogged string rollers were equipped with an overload system and a ground contour following mechanism. The deflection range of rollers is adjusted with a chain.**



**As a standard, there is a 320 mm diagonal string roller in front of SU tines**



**Optionally, in front of SU tines, the manufacturer mounts a drag with the spring shock absorber**

**U 382 seedbed cultivator is the lightest hydraulically foldable tillage cultivator in the Rolmako offer, nevertheless, it is distinguished by the massiveness of its structure and higher weight compared to competitors**

**more on [www.rolmako.com](http://www.rolmako.com)**

**Excellent cultivation before sowing of sugar beet, vegetables, rape, cereals, corn and all other plants**



**Simple design that facilitates the work of the farmer and keeps the moisture in the soil**

**Unit provides complex processing of the soil, its task is loosening, leveling, crushing lumps, compaction of the soil at the sowing depth as well as removing weeds and couch grass runners**

**Seedbed cultivator U 382 is well adjusting to the field structure, provides excellent fit to the surface and constant pressure to cultivated ground thus creating perfect conditions for sowing**





A small and compact construction of the machine has a center of gravity in the optimal place, which allows to use this model with the tractors of a little traction.

Thanks to its lightweight, these large-operating-width machines can be hitched to the three-point hitch system of a tractor.



The arms of the hydraulic folded machine are secured while transportation by the automatic lock, which is loosened from the cab.



Oblique front roller with a diameter of 320 mm.



**Rolmako**

**Simple design that facilitates the work of the farmer  
and keeps the moisture in the soil**

**Constantly vibrating working elements combined with precise control of the working depth  
and the system of terrain copying create ideal conditions for the rapid growth**



**Lesser power demand results in reduction of cultivation costs per hectare**

**more at [www.rolmako.com](http://www.rolmako.com)**



**Seedbed cultivator U 382**



Strong frame construction with numerous stabilisers, solid front and rear rollers, tines with extra reinforcement as standard - all this makes the seedbed U382 unrivaled in the group of light tillage tools. The machine meets all the requirements of modern agriculture with focus on crop yield and optimizing all field operations by one pass. Compacted soil coming from beneath of tractor wheels is loosened by 4 eradicators (optional), front roller initiates process of reducing of soil bumps, four rows of tines perform effective tillage (recommended 100 mm wide coulters for better results), the final work is done by double cogged string bar rollers, pressed to the ground by extra spring amortization.



**Rolmako**<sup>®</sup>  
MODERN AGRICULTURE MECHANIZATION



Front string bar roller is used for initial terrain leveling, the rear rollers push against the soil by a spring-loaded pressure pads. All rollers are equipped with inner pipe reinforcement, which significantly contribute to their strength and protects it from the damage.



**U 382**

Tractor track eradicators, side leveling screens and 100 mm. wide coulter are optional equipment for each pre-sowing machine.



**Pre-sowing soil preparation is essential to obtain satisfactory yields**

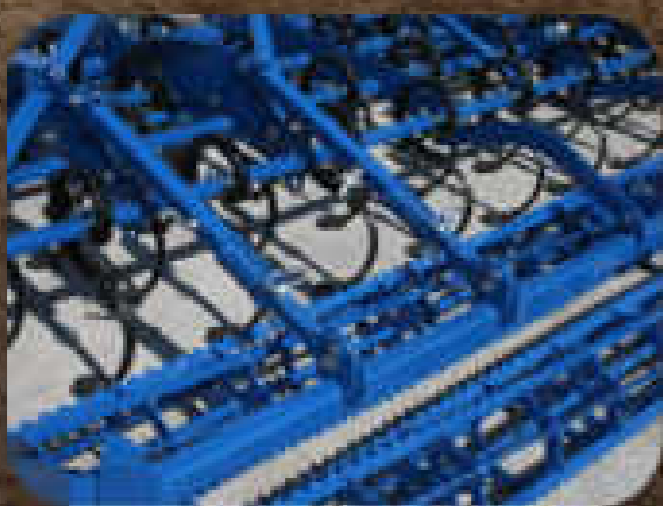
*Properly conducted pre-sowing procedure leaves the field with loosened to a depth of sowing soil. The seeds during the sowing are placed on a compacted base layer that is covered with softened layer of soil. That results in very good water-air conditions for the initial growth of plants.*



Seedbed U-382 is intended for the supplementary cultivation, after plowing or subsoiling, in order to prepare the soil for sowing or planting.



Engineers from Rolmako have made every effort to ensure, that machine could be aggregated with tractors with power up to 70HP. The machines are relatively light but at the same time structurally strong.





Seedbed cultivator 3,0 m

**Research and development**

Rolmako's engineers are continuously working in order to improve design of already existing machines and adapting them to the needs of the market. We listen to opinions and suggestions of users and, if necessary, react by introducing modernizations and new solutions.



Our cultivators with rigid frame are available in working widths of 3.0m, 3.5m and 4.0m.



4,0 m



Photo gallery  
[www.rolmako.com/360](http://www.rolmako.com/360)

**Specifications**

WORKING WIDTH	NUMBER OF TINES	POWER DEMAND (HP)	WEIGHT(kg)*
3,0 m	30	80	715
3,5 m	35	85	790
4,0 m	40	90	885
4,0 m H	41	90	1520
4,5 m H	45	100	1600
5,0 m H	51	120	1680
5,5 m H	55	140	1785
6,0 m H	61	160	1890

\*) weight of the machine with standard equipment.



## Seedbed cultivator - U 659

The Rolmako seedbed cultivator should be used on light and medium-compact soils. The machine is adjusted to work with a seeder.

The purpose of the entire set is to perform both pre-sowing cultivation and sowing in a single pass. The unit is equipped with a universal latching axle, which makes latching easier on the lower ties of the tractor. The seedbed cultivator comes in four working widths: 2.5 m, 2.7 m, 3.0 m, 4.0 m.



## Cultivation machine to work with a seeder



### Standard equipment

- two rows of tines (optional three rows)
- as standard is installed a deflected tine standard or straight (optional tine Unia Grudziadz)
- hitching beam
- front string roller made of flat steel, diagonal (optional front divided roller)
- back pipe roller 450 mm
- twin-cylinder seeder lift
- screw connector for seeder
- seeder wheel stands.



### Technical parameters

Working width (m)	4	3	2,7	2,5
Tines location	Two or three beams with spring tines			
Number of tines (pcs)	26	21	19	17
Weight* (kg)	1080	870	790	730
Power requirement (hp)	115	80	75	70
Front roller	diagonal made of flat bars			
Back roller	string roller with flat bars, string roller with cogged bars, Packer cogged roller, tubular-ring roller, Crosskill roller, spring roller			
Seeder lift	2 hydro cylinders			

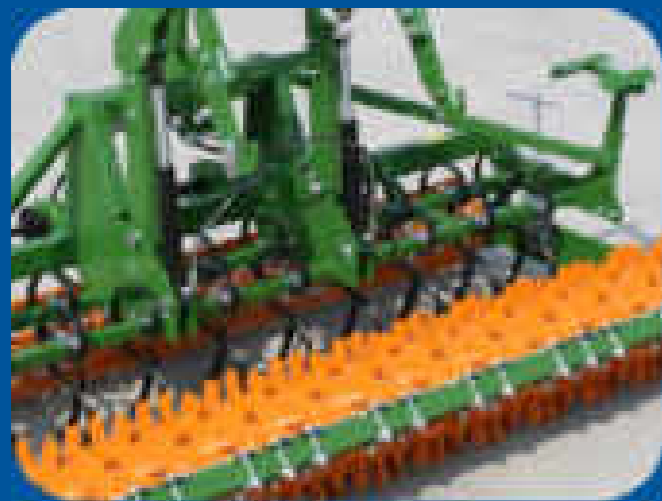
\*) weight of the standard-equipped machine.

Universal hydraulic lift enables trouble-free connection of the seedbed cultivator with any seeder.



more on [www.rolmako.com](http://www.rolmako.com)

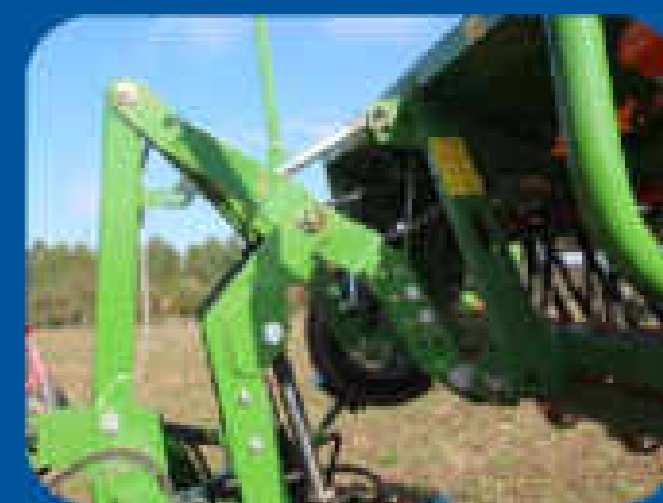




Seedbed cultivator with the hydraulic seeder lift is a solution for farms, that use tractors of small class of capacity in tillage-sowing works. The minimum operating costs are speaking for the choice of lightweight aggregate.



Optimized weight and dimensions of the aggregate, with full functionality and durability, allows for the proper use of tractor's power.



**By special order, the cultivator can be produced in any color of a chosen seeder producer. So the machines that are working together form a harmonious color of tillage-sowing combination.**

Seedbed cultivator is designed for preparing pre-sowing soil after sowing tillage or pre-winter tillage. Operation of the seedbed consists of loosening and leveling the top layer of soil, crushing lumps, destruction of weeds and pressing soil below a depth of sowing in order to better water permeation, ensuring better plant germination. Using of this machine along with a seeder is economical and efficient option.



## Optimal conditions for sowing machine



## Good solution for light and medium soils

### Three-point hitch system

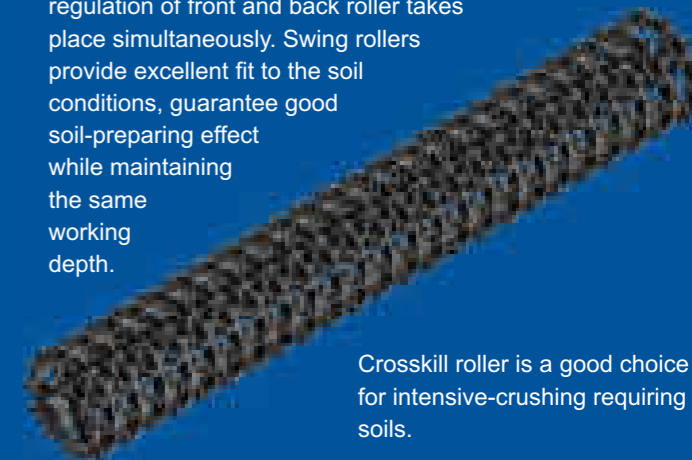
The massive tower of three-point hitch system serves as a load-bearing element of the seedbed cultivator, to which frame section of spring tines and hydraulic coupling is connected. Tower of three-point hitch system is characterized by excellent stability and ease of handling.



S-type spring tines can be mounted on the frame of the machine, on two or three beams. The seedbed in three-row version is presented in the photo.

### Agricultural rollers

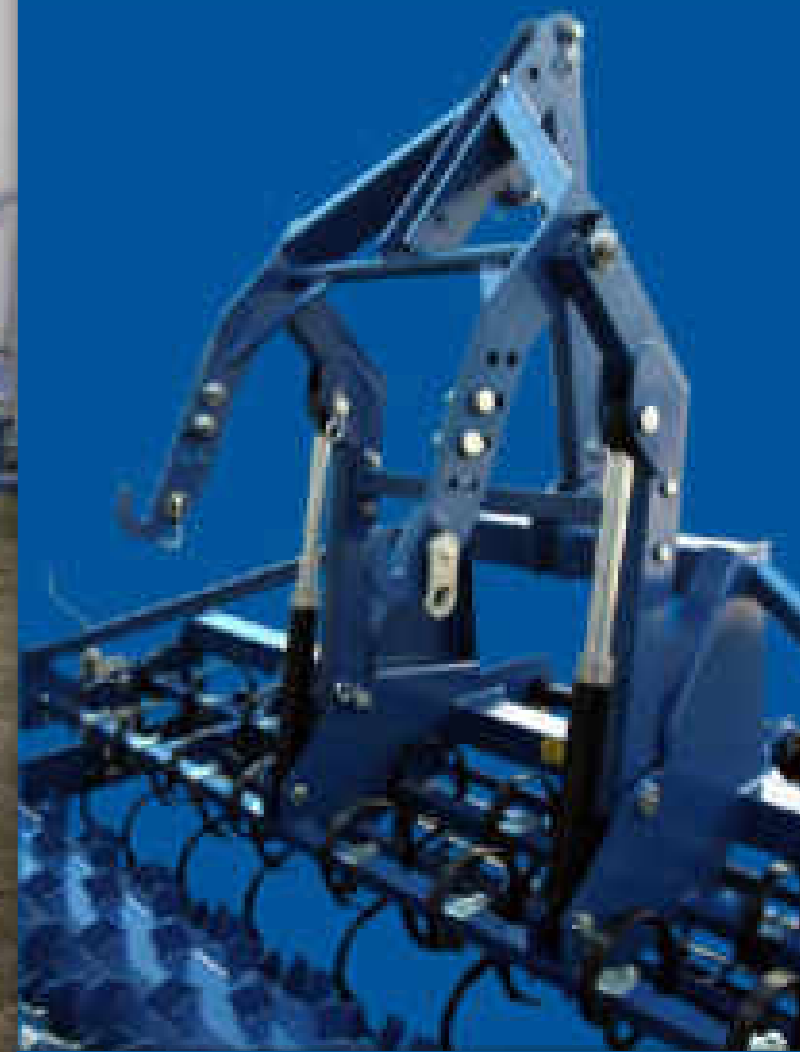
The rollers are responsible for keeping a working depth. Changing the working depth is comfortable, regulation of front and back roller takes place simultaneously. Swing rollers provide excellent fit to the soil conditions, guarantee good soil-preparing effect while maintaining the same working depth.



Crosskill roller is a good choice for intensive-crushing requiring soils.

### Working sections

The mounting system of spring tines makes their replacement very simple. Depending on the version, the S-type tines are arranged in two or three rows. In the basic equipment of the machine deflected or straight tines are mounted, optionally Grudziadz Union tines. The appropriate spacing in the row of tines ensures even loosening of the soil and good work effects. The adjustment range of working elements regulation enables interaction with any type of a seeder.





Small requirements for tractor's power, high working efficiency, small size for easy transport of the unit these are the features of the seedbed cultivator that facilitate the work of the farmer.

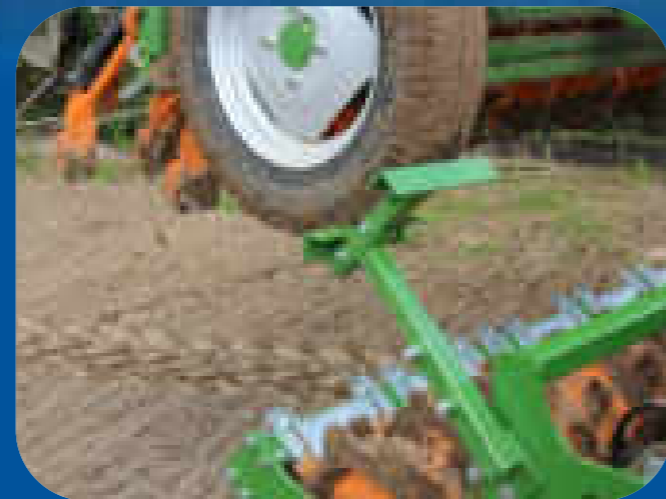


The tines of S type are arranged in 2 or 3 rows and optimize the penetration of plant debris, solids and stones.

Working units are adjusted for light and medium soils and allow you to work at speeds up to 12km / h.



## Rolmako seedbed cultivator in unusual for company colors



**The design of the aggregate with the coupling to drill, allows you to move the center of gravity very close to the tractor. The tilling and seedbed combination created by the Rolmako passive unit and the Amazone drill.**

**Economically,  
compactly,  
quickly ...**



For the seedbed cultivators, the most popular choice for our Customers among the rear rollers is the tubular roller for the light soils, for the stronger soil it is the string roller with cogged bars or Packer, for dry lump soil it is well crushing clods of ground - Crosskill roller.

**Thanks to the hydraulic lift for the mounted drill the passive cultivator can be used to build any tillagesowing combination**



**The best solution for farmers working on the preparation of lighter soils for cultivation and sowing itself in one and the same ride**

**more on [www.rolmako.com](http://www.rolmako.com)**

**Compact seedbed cultivator - U 684**



For many years Rolmako has been specializing in providing solutions to the seedbed cultivation, new construction of the units is the result of experience and development of the company. In the picture it is introduced the first seedbed cultivator produced by Rolmako.



The compact seedbed cultivator is a new proposal of the machine designed for pre-seeding cultivation. Thanks to the complete equipment it meets all the requirements of the farmers who wishes to prepare the ground precisely for the optimal development of the crop.



New aggregates for seedbed cultivation are modern and cost-effective tools which allow to save money that you need to prepare the soil before sowing. Units equipped with a coupler to the seeder form a powerful seedbed complex.



**The mounted version machine**

**- rigid frame 2,5m, 3,0m, 4,0m**

**The trailed version machine**

**- rigid frame 3,0m, 4,0m**

**- hydraulic folding frame 4,0m, 4,5m, 5,0m, 6,0m**



Perfect field for sowing occurs when after the crop, a fine particulate, well crumbled soil lingers in the sowing area, whereas on the surface there is harder solid soil - such conditions occur after cultivation with the Rolmako compact cultivator.



Tine SX with reinforced double spring finished with coulters with cutters of 260mm width, ideal especially for the autumn soil preparation.



**four working elements**

spring cultivation



SU tine SA tine

autumn cultivation



SG tine SX tine

**Universal main frame of the machine will allow you to easily exchange the whole segments of working elements**



**Thanks to the use of the Rolmako compact seedbed cultivator it is possible to combine all working operations, needed to prepare the perfect seeding base in all conditions, in a single ride**

**more on [www.rolmako.com](http://www.rolmako.com)**



Compact tillage cultivators represent the best group of the seedbed machines. Different models are designed for demanding conditions to meet the needs of modern farms. Thanks to the wide selection of accessories, surely every farmer will find a solution that suits their needs.



**tine SX**

All variants of the tines that are proposed by Rolmako for compact seedbed cultivators, are components of high-quality that guarantee high resistance to wearing, and at the same time, contribute to the reduction of operating costs.



**The same drawbar for all models of the machine**

## Modern passive seedbed cultivators



The cultivator is lifted using two hydraulic drives, on wheels 400/60-15,5

The machines with a drawbar and trailed chassis, depending on the working width, are equipped with two or four rippers of the tractor's tracks

The 3m cultivator of the trailed version with four rows of the SU tines, is equipped with the coupler for a seeder

## Versatile seedbed and stubble machine



**tine SU**



**The Rolmako units are the optimum combination of performance, durability and cost-effectiveness**

more on [www.rolmako.com](http://www.rolmako.com)

# Agricultural equipment for different soil conditions



The units for seedbed cultivation have a significant share throughout the company's production. The Rolmako tillage tools are a comprehensive solution for the modern farms.



The machine has a robust frame structure and is equipped with the most powerful reinforced tines, which are arranged in two or four rows. This combination of front and rear cultivation roller, as well as two evening drags and optional coupler for the drill, optimizes crop productivity.



**Quick preparation of the soil before sowing at the low costs of cultivation**



**The machine prepares even very lumpy, hard soil and levels an uneven field surface, preparing the perfect conditions for seed germination**

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**The mounted machine is always prepared for rearrangement to the trailed version, which is equipped with a drawbar and transport carriage with a coupler to another machine**



**Designed for the efficient preparation of the area for sowing, adequate construction of the unit reduces the number of necessary rides**



Customers have a choice of four working elements, for the hard grounds the four rows of tines are designed SA (spring tillage) or two rows of the SX tines (works best for autumn tillage).

The looseners are standard equipment for semi-mounted machines, properly adjusted, they loosen the dense soil after the tractor wheels.



Arms of the unit are protected against overload thanks to the spring shock absorber, so that the arms are arranged in the shape of the field.



**The compact cultivator can perform one another function, after raising the tines above the ground surface, the machine can be used as a cultivation roller. The front and rear roller and the two drags can be used in the equation of the field and in breaking up the lumps. After the postharvest crop the rollers drive accelerates the process of decomposition of crop residues.**



Spring plow beam of 25x25mm section and 260mm wide coupler is a working element designated as SG symbol. This tine is ideal for the work in autumn.



The frame of 4.0m and 4.5m width machine in hydraulically folded version consists of two parts, but the larger frames are divided into three parts.

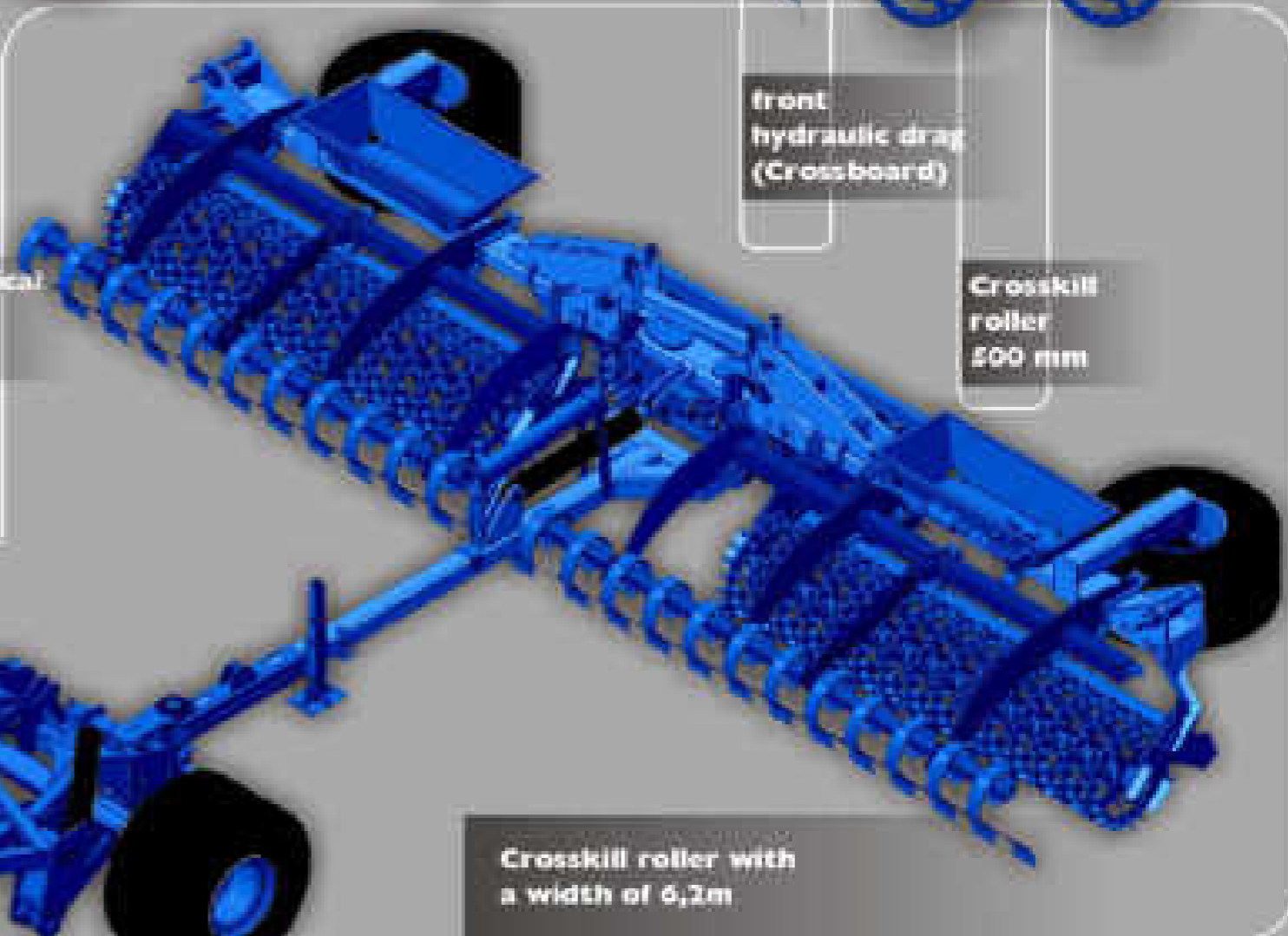
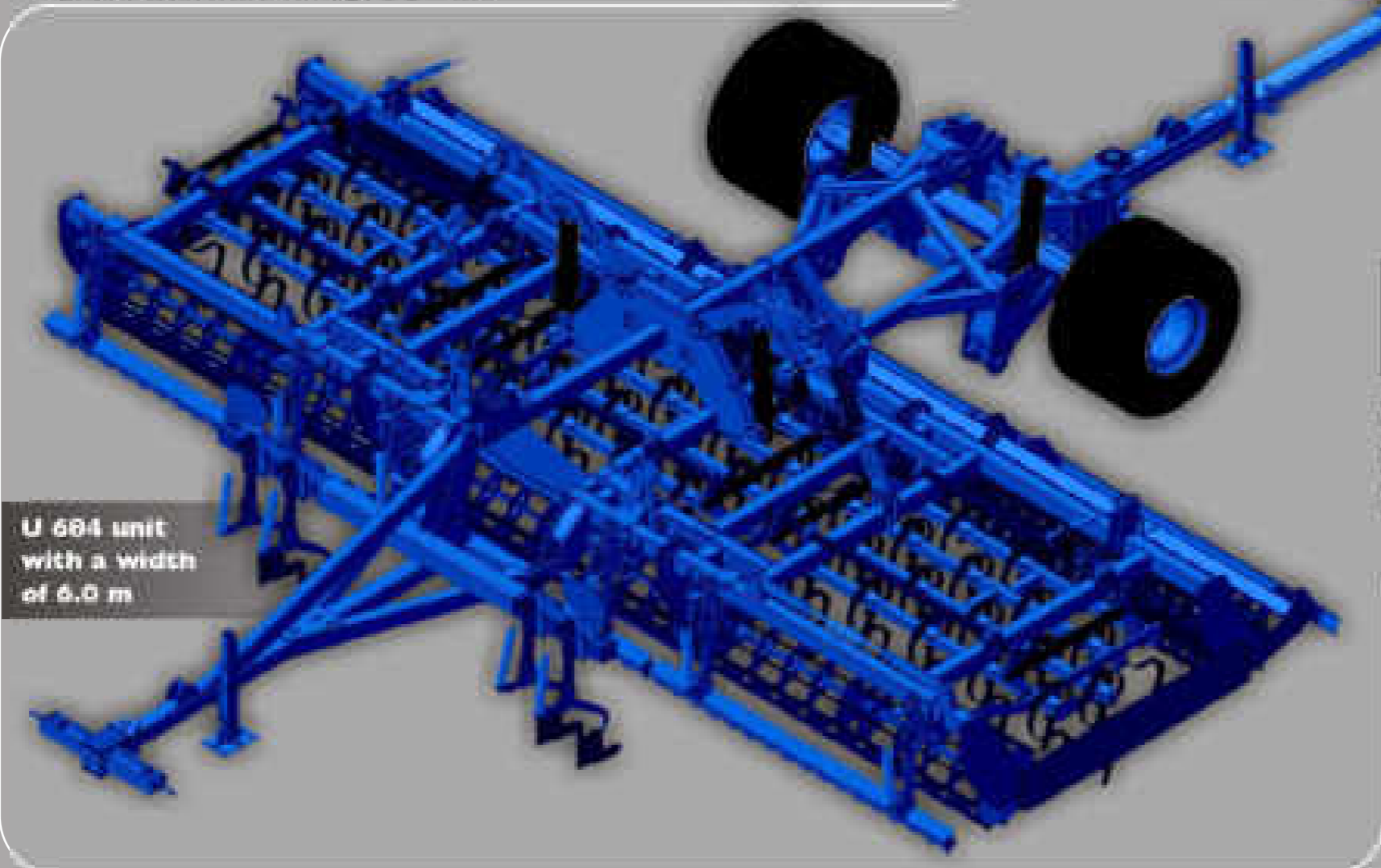
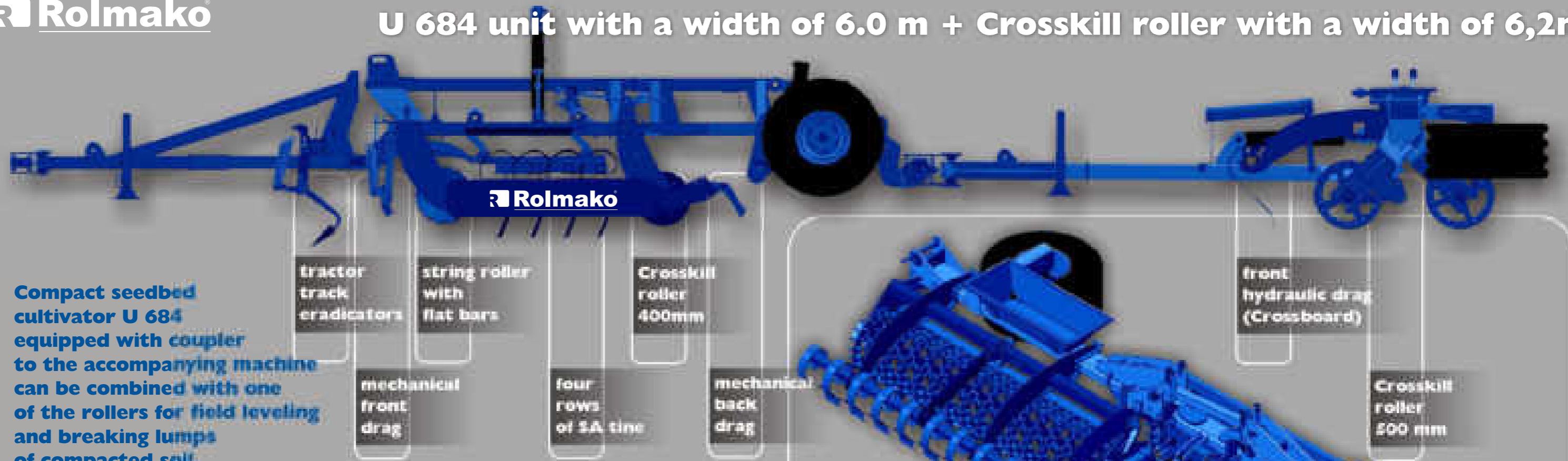


**Compact seedbed cultivator with a working width of 4,5m**



**Compact seedbed cultivator U 684 equipped with coupler to the accompanying machine can be combined with one of the rollers for field leveling and breaking lumps of compacted soil.**

**Concept: as many cultivation tools as possible in a single pass.**



**Coupling of additional tools is ideal solution for very large fields.**

**Aggregate combined with rear Crosskill roller makes an excellent addition to crop cultivation, the field is perfectly prepared for sowing.**



The combination of multiple tools in one machine: front drag, front string roller with flat bars Ø 450mm, basic version with four rows of tines (to choose from the SU tine and the SA tine) or two rows of tines (to choose from the SG tine and the SX tine), side covers, standard rear pipe roller Ø 450mm, rear drag.



The machine has comfortable working depth adjustment, the tuning is quick and precise.



**Thanks to its compact design, the Rolmako cultivator is not a classic cultivator with spring-tines, but it is universal agricultural machine that can be used in a variety of work**



**Universal frame of the machine allows for embedding of the various working elements for autumn or spring soil preparation before sowing**

**more on [www.rolmako.com](http://www.rolmako.com)**



The coupler for grain seeder or the Cambridge roller is available as an option for trailed machines with rigid frame, as well as hydraulically folded frame.



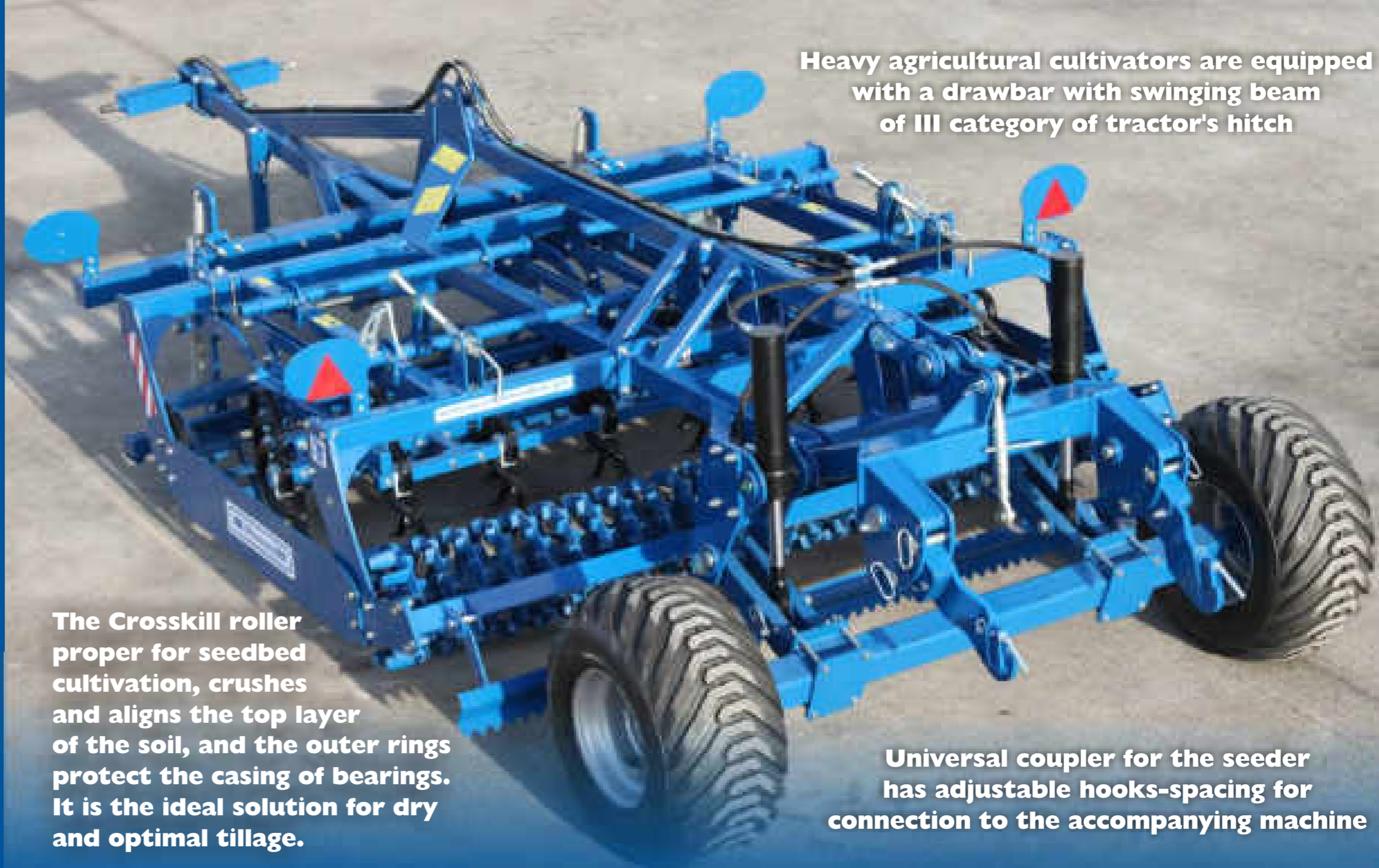
**The Crosskill roller proper for seedbed cultivation, crushes and aligns the top layer of the soil, and the outer rings protect the casing of bearings. It is the ideal solution for dry and optimal tillage.**

The SU tine is made of a spring 32x12mm, and comes as standard with additional reinforcement. In the case of compact soils or wetlands, we recommend the use of SU bent tines or the SA straight ones, instead of tines of "goosefoot" type.



**The unit is particularly useful for growing plants that require a leveled field before seeds sowing**

**Heavy agricultural cultivators are equipped with a drawbar with swinging beam of III category of tractor's hitch**



**Universal coupler for the seeder has adjustable hooks-spacing for connection to the accompanying machine**

**Technical data**

WORKING WIDTH	NUMBER OF TINES SU, SA / SG, SX	POWER DEMAND (HP)	mounted WEIGHT * (kg)	trailed WEIGHT * (kg)
2,5 m	25 / 11	75	1150	x
3,0 m	30 / 13	95	1250	2150
4,0 m	39 / 18	125	1620	2520
4,0 m H	39 / 18	125	1850	2750
4,5 m H	45 / 20	150	x	3030
5,0 m H	50 / 23	165	x	3350
6,0 m H	60 / 27	180	x	3990

H - hydraulic folded machines, the transport width does not exceed 3m.

\*) weight of the standard-equipped machine.