



PRODUCT PORTFOLIO





RASCO. More than products. Partnership.

When Frane Franičević and Darko Paviša, founders and owners of RASCO, embarked on a joint business venture in 1990, they could hardly have predicted that one day RASCO equipment would be used to maintain roads across the world. They recognized very early the importance of long-term partnership with customers and customer satisfaction and have built those values into the foundation of the company.

Over the years, we have gathered a team with the integrity, motivation and expertise to meet the challenges of our dynamic and technologically complex business. That is why today we still look forward to the future with the same enthusiasm and ambition. We invite you to discover why more and more customers consider RASCO their first choice when it comes to equipment for traffic infrastructure maintenance.





CONTENT

About us

Our history	6
RASCO today	6
Our value proposition	7
Product portfolio	8
After-sales support	64
Contact	65
Our team	66

Vehicles

De-icing and anti-icing equipment

Dry and pre-wet spreading	10
Liquid spreading technology	21
Small spreaders for professional use	22
Small special purpose spreaders	28
EPOS control units	31
Mounting options	32

Snow removal equipment

Multi-segment snow ploughs	34
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Single-segment snow ploughs	42
Special purpose snow ploughs	44
Upgrades for all types of vehicles	48
Summer maintenance equipment	51
Side-mounted boom mowers	52
Rear-mounted boom mowers	54
Other summer maintenance equipment	55
Mowing heads and working tools	56
Mower control systems	58
Sweeper attachments for multifunctional vehicles	60
Advanced Road Management System	63

OUR HISTORY

From a workshop to a high-tech company

RASCO started its business in 1990 as a workshop for the service of agricultural machinery. The focus was soon shifted to servicing the equipment of road companies that felt a lack of quality after-sales support in the domestic market.

In the mid-1990s, RASCO began producing its own products and gradually conquered an increasing share of the domestic market. The increase in production capacities and the number of employees takes place in several phases, and the production program is growing in parallel.

The company first makes its way into the markets of Southeast Europe, and then into the markets of countries within the European Union. Thanks to the gradual development of increasingly advanced products and the construction of a reliable distribution network, RASCO has become one of the leading manufacturers of road maintenance equipment in Europe.

RASCO TODAY

Local manufacturer with global impact

Today, RASCO equipment for municipal maintenance of transport infrastructure maintains roads all-year round in over 40 countries around the world.

Two production facilities, one in Kalinovac, Croatia and the other in Senta, Serbia follow the same integrated processes of development, production, and pre-delivery testing. Total control over the products' lifecycle accompanied by the highly integrated production process is a guarantee of the constant RASCO quality of every single product leaving the factories.

This approach enables the production of high-quality products in a sustainable way, which is confirmed by ISO 9001, ISO 14001, ISO 45001 and ISO 50001 certificates of quality.

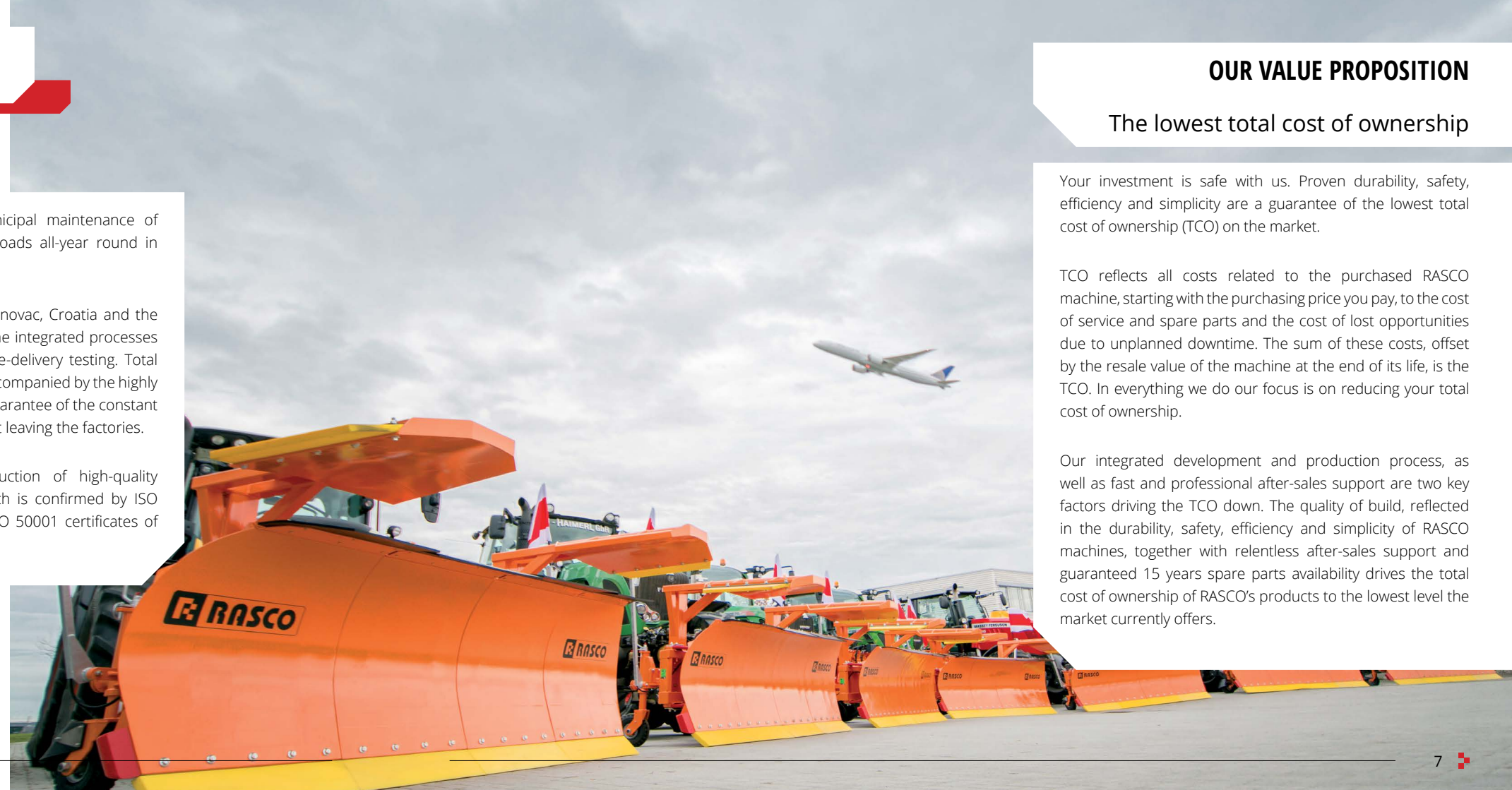
OUR VALUE PROPOSITION

The lowest total cost of ownership

Your investment is safe with us. Proven durability, safety, efficiency and simplicity are a guarantee of the lowest total cost of ownership (TCO) on the market.

TCO reflects all costs related to the purchased RASCO machine, starting with the purchasing price you pay, to the cost of service and spare parts and the cost of lost opportunities due to unplanned downtime. The sum of these costs, offset by the resale value of the machine at the end of its life, is the TCO. In everything we do our focus is on reducing your total cost of ownership.

Our integrated development and production process, as well as fast and professional after-sales support are two key factors driving the TCO down. The quality of build, reflected in the durability, safety, efficiency and simplicity of RASCO machines, together with relentless after-sales support and guaranteed 15 years spare parts availability drives the total cost of ownership of RASCO's products to the lowest level the market currently offers.



PRODUCT PORTFOLIO

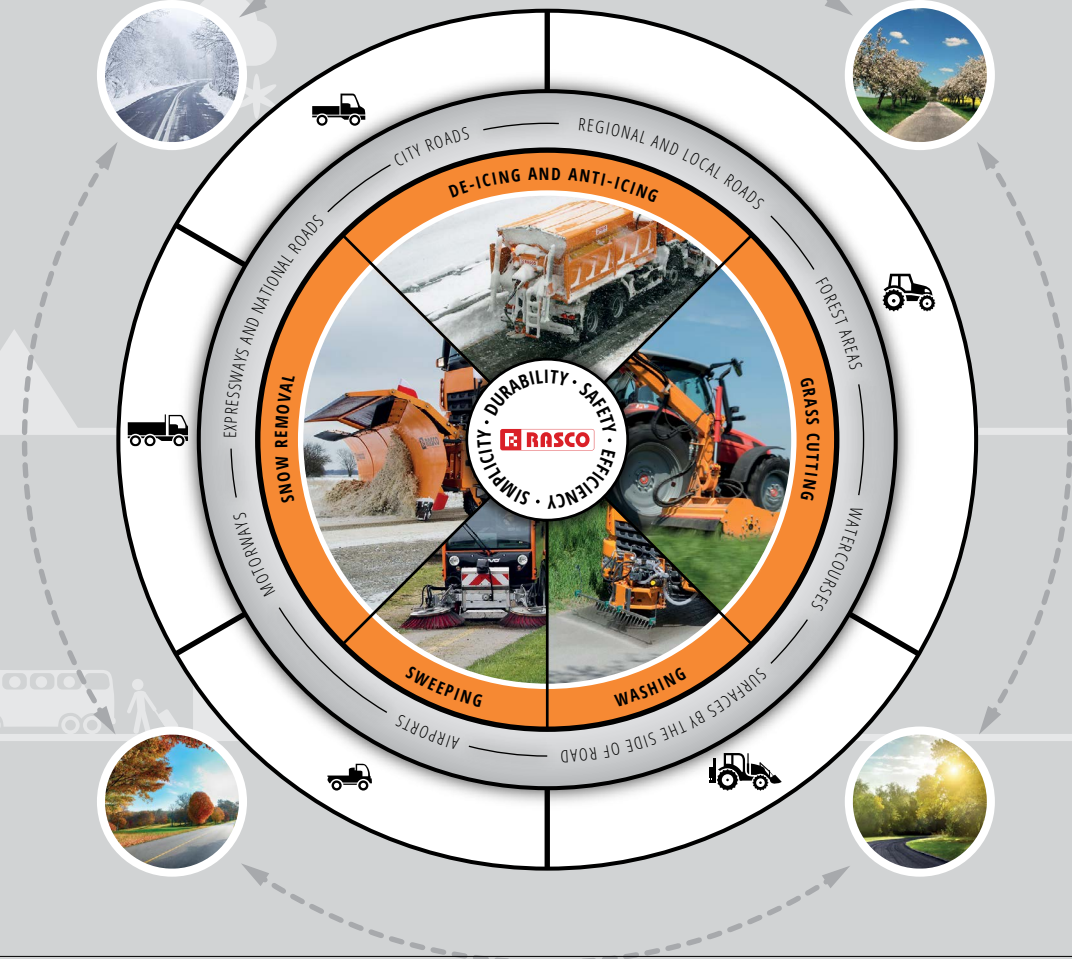
For all applications. All-year round.

A well-rounded RASCO product portfolio offers equipment for all year-round traffic infrastructure maintenance. It consists of machines for winter and summer maintenance of all types of traffic infrastructure, from motorways, expressways and urban areas to forest roads and riverbanks.

RASCO offers complete solutions for all carrier vehicles, whether they are trucks, multipurpose vehicles or tractors, in one place and from one supplier. RASCO's products are

adapted to the needs of each market and comprise a portfolio that is continuously expanded and developed, driven by customer needs and market trends.

The company's fundamentals are based on four principles - simplicity, safety, durability and efficiency. They are incorporated into every concept, device and spare part produced by RASCO and are key components of the value RASCO provides to its customers.



VEHICLES

The RASCO range of special purpose vehicles includes professional street sweepers and a multifunctional municipal vehicle.

LYNX, a compact street sweeper is a self-propelled vehicle developed for a single purpose – efficient urban cleaning. It comes in volumes of 2 m³ and 5 m³. With a volume of 2 m³, it comes in two versions of the drive: diesel and electric version, while with a volume of 5 m³, the customer can choose between diesel, electric or hydrogen drive. The Diesel version uses the EURO VI motor for propulsion, while the electric version of the LYNX sweeper uses three electric motors to drive key systems.

While the LYNX is the best solution for cleaning streets and squares, the MUVO is a universal vehicle that can be used for a variety of tasks. Sweeping, winter service, mowing and waste collection are just some of them. By choosing one of over twenty available attachments, MUVO changes its purpose in a few minutes.

LYNX and MUVO can be seen in many European cities and airports. Let us show you why users put their trust in these vehicles.



LYNX 2000

LYNX 2000 is a compact vacuum sweeper with a hopper volume of 2 m³. The autonomy of the diesel version of the sweeper is ensured by a total water capacity of 400+ L stored in the fresh water tank, the recirculation tank and optionally within the cleaning system, and a 65 L fuel tank.

The LYNX Charge 2000, the electric version of the sweeper, is based on the same platform as the diesel sweeper, allowing it to achieve equally high cleaning performance and ease of use. The 72.5 kWh battery, with a dedicated Charge-specific design, is comparable to systems that use available energy wisely. This sweeper can work an 8-hour shift without having to return to base. The main electric motor delivers up to 55 kW of power to drive the system continuously. The drive inverter that controls it can operate in torque control or speed control mode, depending on whether the machine is in working or transport mode. The new electric drive system is not only cleaner and more efficient than a diesel-powered system, but it is also quieter and requires less maintenance. Together, they guarantee impressive autonomy of work for the needs of professional users.

Thanks to the hydropneumatics suspension, LYNX 2000 reach areas such as high footpaths and underground garages, saving time and potentially replacing other smaller machines or reducing the need for manual labor.

Working with LYNX 2000 is made easier with an easy-to-remember control layout, memorizing the preferred operating settings of the sweeper, and a simple procedure for emptying and maintaining the sweeper. The comfortable interior, full glass cabin and extended roof that protects from direct sunlight ensure full operator comfort.

With LYNX 2000, the cleanliness of city streets and other public areas reaches a whole new level.





LYNX 5000

The LYNX 5000 sweeper, with a hopper volume of 5 m³, is a testament to state-of-the-art cleaning technology and is specially designed to meet different user needs with maximum efficiency and performance. The fixed cleaning width of 2535 mm can be extended to an impressive 3525 mm with the option of a third brush, making LYNX 5000 a powerful machine that can clean large areas in just one pass.

The LYNX 5000 has an outstanding capacity thanks to a payload of 5500 kg. The sweeper retains its high performance even when fully full, with exceptional gradeability up to 30%. Two effective options for emptying the hopper are available – the standard tipping at an unloading height of 900 mm and the high-dump option at an impressive height of 1600 mm thanks to the powerful push plate mechanism.

Creating a comfortable and efficient workspace is a top priority of LYNX 5000 sweepers. The vehicles are equipped with several components designed to optimize the operator's working environment and ensure maximum comfort and productivity.

This sweeper comes in three versions of the drive: diesel, electric and hydrogen. The diesel version is equipped with a premium 118 kW EURO 6 E diesel engine, which is not only powerful but also fuel-efficient. The LYNX Charge 5000 has three electromotors responsible for powering the drive train, suction fan and electrohydraulic power pack. The impressive 160 kWh lithium-ion battery provides enough power for extended operation, while the 80 kW DC fast charger allows for fast charging in up to 3 hours.

LYNX H2 5000 uses hydrogen fuel cells to generate electricity. This innovative technology eliminates harmful emissions and leaves behind only water vapor. With fast charging capability and minimal environmental impact, it represents a significant step towards maintaining emission-free cities.

MUVO

The MUVO is a powerful small multifunctional vehicle for performing various tasks with the help of specialized attachments.

Its multifunctional design, small turning radius, high payload and built-in smart technical solutions make it an excellent alternative to specialized vehicles for just one purpose. It is small in size, equipped with a powerful engine, hydrostatic drive and with a modern chassis design.

Numerous applications, small dimensions, power, robustness and superior maneuverability make MUVO the right choice for crowded city streets and narrow spaces.

The vehicle's high usability, a long warranty and ensured maintenance and service ensure a low total cost of ownership, making the MUVO with its associated attachments the smart choice for any fleet.



MUVO ATTACHMENTS

MUVO is a vehicle with a wide range of possibilities. Some of MUVO's possible applications include snow clearing and salt spreading on roads, cleaning roads using a vacuum street sweeper, mowing grass and vegetation, washing streets, watering plants and municipal waste collection and transportation.

Since the electronic and hydraulic systems have been designed in compliance with the applicable standards, MUVO can be used as a drive vehicle for attachments designed and manufactured by RASCO, as well as for attachments from third-party manufacturers. The attachments that provide MUVO such a wide range of applications are designed for simple use, easy maintenance and fast replacement.



DE-ICING AND ANTI-ICING EQUIPMENT



RASCO professional spreaders are designed considering the numerous differences in spreading technologies and the climatic conditions encountered by winter service operators around the world. Within the wide spreader range, RASCO offers solutions for dry, wet and liquid spreading, with numerous additional versions available exclusively to order. In addition to conventional types of spreaders, RASCO also offers specialized spreaders, specially adapted to certain markets and climatic conditions.

The SOLID spreader line is specially designed for dry, wet and liquid spreading in one device, and the use of different types of spreading materials. The choice of five types of available

transport systems: belt, chain, lowered bottom chain, auger or double auger, allows the spreader to be configured according to the characteristics of the spreading material type.

In specific weather conditions, liquid spreading gives better results than wet and dry spreading. RASCO line of LIQUID spreaders implements liquid spreading technology.

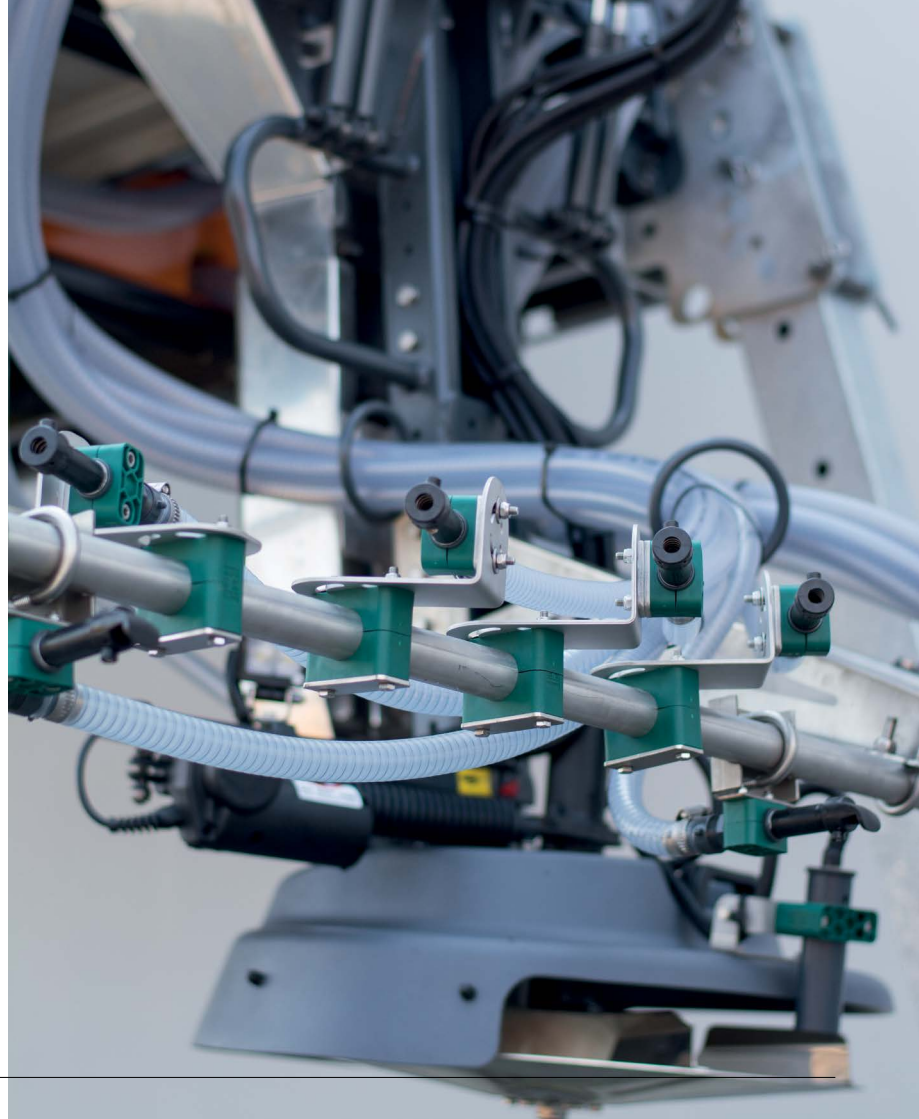
All RASCO spreaders are operated by a single line of control units and can be monitored by using the ARMS system, an advanced integrated satellite tracking system.

DRY AND PRE-WET SPREADING

Spreading salt, sand, gravel or a mixture of these materials is the most common method of spreading in use today. The SOLID spreader line is adapted to work with different dry spreading materials.

Pre-wet spreading technology is used to speed up the de-icing process of the road while improving the adhesion of the spreading material to the surface. For this purpose, SOLID spreaders can be equipped with a pre-wetting system that enables mixing of dry spreading material with a chloride solution. Pre-wetting is not only a better way to de-ice the road, but also reduces the total amount of dry spreading material used. Lower salt consumption also reduces the overall operating costs of winter service and has a positive impact on the environment.

Whether you use dry or pre-wet spreading technology, whether you use salt, sand or gravel, and whether you maintain highways or narrow mountain passes, SOLID spreaders are a reliable solution for your needs.



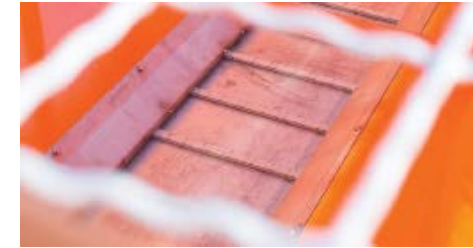
AUGER TRANSPORT SYSTEM

The best choice for spreading with materials such as salt, sand or gravel with a low percentage of moisture.



BELT TRANSPORT SYSTEM

Intended for spreading with dry materials with low and moderate humidity. The belt is designed to prevent the formation of a tunnel effect when passing spreading materials through the distribution system.



CHAIN TRANSPORT SYSTEM

Specially designed to work with the most demanding spreading materials, such as wet sand, coarse wet salt or a mixture of different materials.



DOUBLE AUGER TRANSPORT SYSTEM

Two auger conveyors reduce the possibility of a tunnel effect and allow simultaneous spreading with two different types of spreading materials.



CHAIN WITH LOWERED BOTTOM

A unique solution to prevent the spreading material from falling on the spreader housing and vehicle chassis.

SOLID

If you use dry, wet or liquid spreading, the SOLID spreader line is a comprehensive solution for your winter service. The wide range of available SOLID spreader options enables you to meet all requirements in spreading precision, different spreading materials and different spreader functionalities. Combining dry, wet and liquid spreading in one device reduces the overall consumption of spreading materials, enables better adaptation to changing weather conditions and increases the utilization of one winter service vehicle.

Available with five different transport systems, SOLID spreaders are ideal for different types of vehicles, with the most cost-effective solution for de-icing all types of roads, even in the harshest weather conditions.

SOLID spreaders can also be equipped with a solid spreading agent tank with a volume of 0.6 to 12 m³ and a liquid agent tank with a volume of 300 to 14,090 L.





The modularity of the SOLID spreader allows users to configure the spreader according to their wishes and special requirements. SOLID spreaders can be additionally equipped with additional liquid tanks if the technical characteristics are met.



Special versions of SOLID are also available in case of need for a special type of spreader for the most severe winter conditions. SOLID DX FS uses hot sand spreading technology to create drivable conditions when conventional spreading materials are not effective. On the other hand, the SOLID DX DS allows you to spread the stone granules directly under the wheels of the vehicle in difficult winter conditions thanks to an additional interaxle spinner.

SOLID DX FS uses a dual-auger transport system. The integrated boiler heats the water from the liquid tank to 95 °C, and hot water and sand are mixed immediately before sprinkling. The mixture with a temperature of 30-40 °C meets the surface of the ice, dissolves the surface layer and then freezes, thus increasing the friction coefficient of the frozen road surface.



Solid DX DS is equipped with two spinners and two auger conveyors. An additional spinner is located on the front of the spreader, between the axles on the vehicle chassis, and allows spreading directly under the wheels of the vehicle in harsh winter conditions while driving the vehicle uphill/downhill or through demanding winding areas. Thanks to the double auger conveyor, spreading with one or two different dry spreading materials is possible and the possibility of tunnel effect is maximally reduced. In a two-spreading configuration, one auger conveyor is equipped with a rotation change mechanism that makes it easier for the operator to work with demanding spreading materials and maintenance of the transport system.

LIQUID SPREADING TECHNOLOGY

Liquid spreading is a proven spreading technology that shows the best results in weather conditions characteristic of transitional periods with moderately low temperatures or just before the formation of ice on roads. Liquid spreading reduces the overall consumption of salt and increases the maximum spreading speed, resulting in a reduction in operating costs, negative environmental impact and protection of transport infrastructure.

Urea solutions or sodium, calcium or magnesium chloride solutions are most used as spreading liquids. Since the liquid adheres better to the surface of the road than dry or wet grains of salt, and at the same time achieves almost perfect covering of the road, liquid spreading achieves an extension of the spreading effect, i.e. greater residual salinity of the road. In addition to the greater efficiency of the spreading material used, one of the important characteristics of liquid spreading technology are the higher spreading speeds – up to twice the speed that can be achieved by using dry spreading.

If you need a robust and efficient, dedicated machine only for liquid spreading, RASCO's LIQUID spreaders are the ideal solution.



LIQUID

LIQUID spreaders implement liquid spreading technology for road anti-icing and de-icing. Specially designed as a multifunctional device, LIQUID can also be used as a water tank and in combination with the front washer in summer used for road washing.

The LIQUID spreader distribution system is made in the form of a ramp with a variable flow nozzle system. This patented solution enables high precision spreading at high speeds of the vehicle on which the spreader is mounted.

Two different types of nozzles, a deflector nozzle used for spreading directly behind the vehicle and a straight nozzle for left and right lane spreading, provide a wide spreading pattern. Our unique EPOS control system enables individual control of the nozzles for easy and precise spreading asymmetry control.

Designed as user-friendly and easy-to-maintain machines, LIQUID spreaders are available in sizes from 1,500 L to 16,000 L and offer a wide range of options and solutions for even the most demanding winter maintenance professionals.

MMS

MMS is a mixing station for the preparation of brine (CaCl_2 , NaCl , MgCl_2 , urea) for pre-wet and liquid spreading. The short brine batch preparation time is achieved by creating a vortex using a high flow pump. The mixing of the brine is controlled by an automatic concentration measuring system and control electronics, so that the right mixture is always available for spreading. MMS is available in sizes from 4 to 8 m³, while additional tanks used as brine storage facilities range from 5,000 to 30,000 L in volume.

MMS is made of a special polyethylene material that is resistant to UV radiation, temperature changes and impacts. The design of the machine enables fast filling and emptying, as well as easy cleaning of material residues. Fast brine preparation and a user-friendly, low maintenance design guarantee that the MMS will be a valuable addition to any winter maintenance operation.



SMALL SPREADERS FOR PROFESSIONAL USE

In addition to reliable and robust SOLID and LIQUID spreaders, RASCO also offers TRP professional spreaders in smaller dimensions.

TRP spreaders are an excellent choice for spreading roads in and outside cities, as well as for very narrow roads such as footpaths or parking lots.

Different options of mounting, drive options and a wide selection of additional equipment make these spreaders a good solution for winter maintenance of different types of roads using tractors and vehicles with lower load capacity.

Equipped with a pre-wetting (500 L) and dry spreading system (0.4 to 1.5 m³), TRP is an excellent choice for urban and rural areas where simplicity, efficiency and value for money are key factors in choosing road maintenance equipment. TRP has an adjustable spreading width of up to a maximum of 9 m, a self-loading mechanism (if the TRP is not equipped with a pre-wetting spreading system) and is easily installed on the rear tractor three-point attachment.



SMALL SPREADERS FOR SPECIAL PURPOSE

RASCO also offers three types of smaller spreaders for special purpose.

JUNIOR is a small spreader designed for mounting on small freight vehicles. The MINI towing spreader is a good choice for narrow, hard-to-reach roads, bike paths and pedestrian zones. RAS, also a towing spreader, can be mounted on trucks or tractors.



JUNIOR

Thanks to its compact dimensions, JUNIOR can be mounted on smaller freight vehicles, making it a good choice for winter road maintenance in urban areas. In addition to urban areas, JUNIOR is a good choice for intervention spreading of the most sensitive parts of high-importance roads. Auger transport system, tank volume for dry spreading agent from 1.0 to 1.5 m³ and the possibility of spreading exclusively with dry spreading materials make JUNIOR an indispensable addition to professional winter maintenance services.

RAS

RAS is a simple towing spreader designed for spreading with sand, gravel and their salt mixtures. The fixed spreading width (1.0 or 2.4 m), power provided by the spreader's wheels and loading directly from the tipper box of the vehicle to which it is attached make this spreader an inexpensive solution for less demanding winter maintenance professionals.

MINI

Narrow roads, pedestrian areas, bike paths and park trails are ideal areas of application for the MINI tow-behind spreader. MINI in combination with a small tractor or other vehicle with a towing hitch is all you need for efficient winter maintenance.

EPOS CONTROL UNITS

Simple to use control system you can rely on

Every machine needs an easy-to-use and reliable control system, as power without control will not get the job done. RASCO spreaders are controlled by EPOS control units designed and developed by RASCO's team of experienced engineers.

The knowledge and experience gained in 30+ years in various markets resulted in closed-loop control algorithms, intuitive, user-friendly design, unprecedented connectivity capabilities and a high level of automation in RASCO control units.

Thanks to the EPOS range of control units, RASCO spreaders get the job done the way you want it.



EPOS 30

The most technologically advanced control unit for advanced, automated spreading functions control. EPOS 30 enables automatic spreading based on current location (GPS), pre-recorded vehicle movement routes and pre-set spreading parameters. Using recorded spreading parameters, the control unit automatically adjusts the characteristics of the current spreading image according to the GPS location, such as width and asymmetry. GPS-guided "automatic spreading" enables consistent spreading quality without dependence on the vehicle driver and is an integral part of RASCO's winter service solutions. In addition to spreading automation, EPOS 30 also allows drivers to navigate a pre-recorded spreading route and also helps guide drivers when they go beyond the planned spreading route.



EPOS 10

Technologically advanced control unit characterized by wide functionality, universality and ease of application. It can be used for all types of RASCO spreaders. It is equipped with a color screen, graphic and animation messages and functions for working with all options of standard and special spreader versions. With built-in bluetooth, wi-fi modules and USB interface, it is possible to connect the device to mobile phone, computer and Internet, download data and upgrade software.

With the option of installing a thermo-camera, it allows automatic setting of spreading parameters depending on the measured temperature of the road surface.



EPOS 5

Standard control unit for precise control of spreader operation functions. It uses backlinks from executable elements which increases the precision and reliability of spreading.

The control system provides the ability to record and transfer data on all spreader operation activities, which facilitates the control of spreading and the creation of status reports. The backlit LCD screen allows you to view all information and alerts during operation.

MOUNTING OPTIONS

Every spreader needs a vehicle

RASCO offers a range of options for mounting spreaders on vehicles, from the most common RO-RO system, direct mounting to the chassis and hook-lift systems, to complex multipurpose solutions that turn vehicles into multi-purpose working machines.

None of your requests is too difficult for us. If the vehicle can carry the spreader, we will find a solution. However, uncompromised safety, simplicity and easy dismounting are the key guidelines for every mounting solution RASCO delivers. All mounting systems follow the strict safety standards and recommendations of the vehicle manufacturer.



HOOK-LIFT FRAME MOUNTING

A specially designed frame enables simple mounting on vehicles equipped with a hook-lift.



SKIP LOADERS

Some models of RASCO spreaders can be mounted on vehicles equipped with a container lifting system.



TIPPER BOX MOUNTING

The system for mounting the spreader in a tipper box using RO-RO (Roll-On, Roll-Off) legs and rollers is the most common and simplest mounting method. The spreader is easily attached to the tipper box using tension chains or belts.



CHASSIS MOUNTING FRAME

Suitable for situations where the vehicle is used exclusively for winter road maintenance.



TOW-BEHIND SPREADERS

Cost-effective winter maintenance solutions used by professionals.



TRAILERS

RASCO spreaders can be mounted on a tractor or truck trailer. Such a solution is independent of the towing vehicle.



MOUNTING ON THE SADDLE OF THE VEHICLE

A system of mounting spreaders on trucks that turns the truck into a winter service vehicle. It involves a special adjustment of the spreader that fits it on the saddle of the truck.



THREE-POINT HITCH MOUNTING

The spreader is attached to a standard rear three-point hitch and powered by the tractor's hydraulic system.

SNOW REMOVAL EQUIPMENT



To fully equip a winter maintenance vehicle, you need not only an efficient and reliable spreader, but also a snow removal device.

In RASCO's product portfolio you can find different types of snow ploughs that are designed for thorough snow removal on all types of surfaces.

The snow plough portfolio provides snow removal solutions for all types of roads and in all weather conditions. A wide range of single-segment, multi-segment and special purpose snow ploughs can be configured according to your needs and mounted on all types of vehicles.

Snow ploughs are designed and produced according to the strict RASCO quality guidelines and provide efficient, safe, simple and durable solutions for snow removal.

MULTI-SEGMENT SNOW PLOUGHS

Multi-segment snow ploughs are by far the best option for snow removal. Independent wings attached to the reinforced plough beam, axial tilt and several safety elements built into the plough design are a guarantee of efficient and safe snow removal. RASCO offers a variety of multi-segment snow ploughs, available in different dimensions and customizable with a range of options.

The combination of two available wing suspension systems, thoroughly researched kinematic design of plough wings, different wing attack angles and heights, and a wide range of available scrapers provides a solution for all snow clearing conditions.

RASCO's multi-segment snow ploughs can be mounted on trucks, tractors, Unimog vehicles, construction machines, small commercial vehicles or multifunctional vehicles, making them a universal solution for airports, motorways, open roads, as well as cities, rural and forest areas.



MOSOR

MOSOR is a high-elastic plough with a wide range of applications, from open roads to narrow city streets. It is available in widths from 2.4 to 7.2 m, it can be used to work on roads with a lot of obstacles (shafts, potholes and curbs), as well as on wide open roads. The MOSOR snow plough is available in two versions: the standard MOSOR PK and the lighter MOSOR Light. The lighter performance is characterized by less total mass.

The system of elastic polyurethane suspension of the plough wings enables very good adjustment to the road surface, excellent snow removal, reduced vibrations and quiet ploughing.



VITER

VITER is a powerful snow plough for snow removal in all weather conditions. It can be mounted on trucks, tractors and Unimog vehicles. It is available with three different wing heights, two attack angles and flat or raised side wings. The elements can be combined with each other.

For example, the VITER with a wing height of 1000 mm, an angle of attack of 15° and flat side wings is ideal for quietly clearing smaller amounts of snow in populated areas. The 1200 mm high VITER, with a 25° attack angle and raised side wings is ideal for aggressive snow clearing in mountainous regions.



KALNIK XL

KALNIK XL is a motorway snow plough with 4 to 5 m variable width. It is designed for clearing deep snow at motorway speeds. Its variable dimensions, realized by opening and closing the left wing, enable simple change of plough width from 4 to 5 m and ploughing with both widths.

For maximum efficiency in snow removal on motorways, KALNIK XL is used in combination with the BSP side plough in an echelon ploughing configuration.

SINGLE-SEGMENT SNOW PLOUGHS

For light to moderate snowfall, when plough weight is an issue, or when you need two types of scrapers on the same plough, RASCO single-segment snow ploughs are the solution. Available in different sizes and customizable according to your needs, the SLP, MSP and BILO single-segment snow ploughs right solutions for you.

Simpler in design than the multi-segment ploughs, single segment ploughs are lighter, but at the same time just as reliable and efficient. Because the wing of the plough has a monolithic structure, it lacks the flexibility and adaptability of the multi-segment design. However, single-segment ploughs have all other features of the RASCO ploughs.

SLP, MSP and BILO can be mounted on trucks, tractors, Unimog vehicles, small commercial and multifunctional vehicles, which makes them a universal solution for open roads, urban and rural areas.



SLP

SLP is a single segment snow plough with steel frame and PEHD plate. This special configuration makes the SLP lighter and less robust. Due to its light weight, the SLP can be mounted on a wide range of vehicles. In addition to the steel scraper, it is also available with a rubber scraper making the noise level very reduced.

SLP is specially designed for regions with mild winters and small amounts of snow (up to a few centimeters). It has elevated lighting, a separate, compact hydraulic system with vehicle-independent control, and its small dimensions (the scraper width ranges from 1.8 to 2.4 m) make it suitable for narrow city streets.



MSP

MSP is a single-segment plough, available in widths from 2.7 to 4.0 m, designed for clearing various surfaces and different types of snow. It is characterized by the combination of a steel grid structure and a solid polyethylene wing surface, which provides an optimal ratio between the plough's weight and robustness. The special design of the double swiveling scraper mechanism enables simple adjustment of the MSP plough to the road conditions. The second row of scrapers can be hydraulically raised or lowered as required, allowing the MSP plough to be configured for clearing hard-packed or slushy snow. The MSP snow plough is available in two versions: standard and light (MSP L). The lighter version is characterized by lower total weight of the plough and a choice of three different wing heights.



BILO

BILO is a single segment snow plough for clearing tight and narrow spaces. As the smallest plough in the product range (available in widths from 1.6 to 2.4 m), the BILO plough with compact dimensions is used with smaller and lighter vehicles, like small multifunctional vehicles and small tractors.

Safe to use and efficient in snow removal, BILO is a must have snow plough for all winter service professionals maintaining sidewalks, parking lots and narrow streets.

SPECIAL PURPOSE SNOW PLOUGHS

When single- or multi-segment snow ploughs are not an option, RASCO offers two types of special purpose snow ploughs, available in different dimensions and customizable according to your needs. Although different in design, special purpose snow ploughs VERTUS, variable geometry snow plough, BSP, lateral snow plough for clearing snow from wide and open roads, RDP, diagonal single-segment snow plough, and TELES, telescopic snow plough, follow RASCO design and quality standards.

Special purpose snow ploughs can be mounted on trucks, tractors, Unimog vehicles, small commercial vehicles and small multifunctional vehicles, making them a universal solution for open roads, urban and rural areas.



BSP

BSP is a lateral snow plough for snow clearing on wide and open roads. The plough, available in two widths, 3.4 and 4.5 m, is mounted on the right side of the vehicle with a specially designed side mounting plate.

For maximum efficiency of snow clearing on motorways, BSP can be used in combination with the KALNIK XL front plough in an echelon ploughing configuration.



RDP

RDP is a diagonal single-segment snow plough designed for snow removal in harsh weather conditions and on demanding traffic surfaces. Available in widths of 3.5 to 4.0 m, it is an ideal choice for clearing high accumulations of snow, trodden snow and ice.

A special wing design of diagonal shape – left side 800 mm, right side 1430 mm – allows better and easier rejection of larger amounts of snow. The reinforced wing, additionally supported by ribs and stiffeners that are interconnected, facilitates work even in the most difficult weather conditions.



TELES

TELES is a robust telescopic snow plough designed to maintain wide and open roads. Designed as a two-segment plough consists of one fixed wing and one telescopic wing that is pulled into the left side.

The specially designed telescopic wing allows easy and fast adjustment of the cleaning width, from 4.8 to 6.0 m, depending on the difficulty of the terrain or weather conditions. The fixed wing of the plough is also a load-bearing beam on which there is a carrier of the sliding mechanism for the telescopic wing, which ensures robustness and safe and high-quality removal of snow from the roads.



VERTUS

VERTUS is a variable snow plough available in widths from 3.0 to 3.6 m and intended for mounting on all types of vehicles. VERTUS ploughs are designed for a wide range of applications thanks to the variable wing geometry that allows several different plough configurations.

VERTUS G is a smaller version, designed for mounting on small multifunctional vehicles such as MUVO vehicles, smaller trucks or tractors. VERTUS G has all the useful characteristics of VERTUS with available widths from 1.6 to 2.4 m.

In the diagonal position, the plough removes snow to the left or right, the "A" position is used to first pass through deep snow and clear the notch, while the "V" position is intended for collecting snow without lateral rejection.

CONTROL UNITS



EDH 7

Basic control unit for one- and two-circuit hydraulic systems. Usually used to control an attachment mounted on a front plate (snow plough) and a salt spreader. The unit can raise, lower and rotate the snow plough, put it in floating position and activate any two additional functions.



EDH 20

Advanced control unit for one- and two-circuit hydraulic systems. Available with a front plough joystick, color display, activation of the spreader hydraulics, weight relief control and two additional arbitrary functions.



EKH

The most advanced control unit for the three-circuit hydraulic systems. Enables simultaneous control of three attachments (i.e. front snow plough, brush and salt spreader).

UPGRADES FOR ALL TYPES OF VEHICLES

The efficiency, safety, durability and simplicity of RASCO snow ploughs largely depend on how they are mounted on vehicles, how they are powered and how visible the vehicle and plough are in the traffic.

RASCO offers a wide range of upgrades for various vehicle types in the form of front and side plough mounting plates, hydraulic systems and electrical installations.

Our experts approach each vehicle upgrade project individually to make sure upgrade is done according to the vehicle manufacturer's instructions. In this way unnecessary stress on the vehicle's chassis and power train are avoided and the winter maintenance equipment can be safely mounted and operated.



ELECTRICAL INSTALLATIONS

For complete efficiency and uncompromising safety, RASCO offers additional electrical installations for winter maintenance vehicles.

Rotating signal lights and raised headlights can be mounted on the vehicle to provide better visibility of the clearing area in front of the vehicle and to make the winter maintenance vehicles visible to other traffic participants.

MOUNTING PLATES

Mounting plates enable fast and simple mounting of snow ploughs and other front attachments to all types of vehicles. RASCO manufactures and installs mounting plates for all types of trucks and tractors.

All mounting plates are designed and produced in accordance with the applicable standards and the instructions of the vehicle manufacturers.

HYDRAULIC SYSTEMS

RASCO offers a wide range of hydraulic systems that comply with current standards and are designed to drive machines such as front and side snow ploughs, brushes, salt spreaders, washers, vacuum sweepers and liquid spreaders.

The hydraulic system is sized according to the number and type of machines it is intended to power. An appropriate control unit must be selected for each application, having in mind type, functionality and the number of machines that the hydraulic system will power.

SUMMER MAINTENANCE EQUIPMENT

RASCO's summer maintenance equipment consists of professional boom mowers designed for efficient summer maintenance on various types of terrain, and sweepers for impeccably clean urban areas.

Boom mowers can be mounted to various types of tractors, Unimog vehicles, construction machines and small multifunctional vehicles, and are available in various range of arm lengths: from 5 to 12 meters. Depending on specific customer's needs and the type of mower, arms can be mounted on the rear, lateral or front side of the vehicle.

RASCO sweepers are designed for small multifunctional vehicles used for cleaning local and city roads, squares, sidewalks, bike paths and parking lots.

All RASCO machines for the summer maintenance are created for efficient, simple and safe vegetation removal and sweeping.



SIDE-MOUNTED BOOM MOWERS

Choosing the ideal boom mower from the RASCO product portfolio depends on specific customer needs, the mower's intended use, and the vehicle to which the mower is mounted on.

For mowing on the most challenging terrains, such as riverbanks and large surfaces by the side of the roads, RASCO offers the BRK, BRKT and MAXIMA models of side-mounted tractor mowers. Along with the large arm reach, the side-mounted mowers ensure good visibility of the working tool and stability of the vehicle, but also require heavier and stronger tractors.

Mowers can be equipped with a wide range of cutting heads and attachments for vegetation maintenance and roadside ditches profiling.



BRK

BRK is a side-mounted boom mower with 5-, 6- or 7-meter arm reach, robust and strong, designed for demanding mowing terrain.

Due to the high-quality construction and the available arm reach, it is very efficient for maintenance of the roadsides, forest areas and riverbanks.



BRK T

BRK T is a side-mounted boom mower with a reach of 8 meters, designed for maintenance of the hard-to-reach areas, such as wide surfaces at the side of roads and large riverbanks.

The longer reach is achieved thanks to an additional telescopic arm, made of high-quality steel, resistant to mechanical strain, which guarantees complete reliability during operation.



MAXIMA

MAXIMA is the largest and most powerful boom mower in the RASCO product portfolio, designed for simple but efficient mowing of the most difficult terrain. Its main purpose is mowing and cleaning the deepest watercourses and the highest banks.

MAXIMA requires a strong and heavy tractor and is available with 9, 10 and 12 meters of arm reach.

REAR-MOUNTED BOOM MOWERS

If you are looking for a reliable, professional mower that can be easily mounted and dismounted on/off the tractor, rear-mounted SPECTRA and NEVA are the right solution for you.

Rear-boom mowers can be easily mounted on and dismounted off the rear tractor's three-point hitch, making the tractor available for other tasks when needed.

Mowers can be equipped with a wide range of cutting heads and attachments for vegetation maintenance and roadside ditches profiling.



SPECTRA

SPECTRA is a rear-mounted boom mower designed for efficient and fast mowing, available in configuration with 6- or 7-meter arm reach. Its various applications include maintenance of the sides of the roads, overgrown forest paths and areas near watercourses.

SPECTRA was fully designed with the user's needs in mind. The main feature of the mower is a good working tool visibility, due to the special kinematics of arms which positions the working tool forward, to the user's line of sight.

NEVA

The simple and efficient NEVA rear-mounted tractor mower with a 5- or 6-meter arm reach, is the ideal choice for efficient mowing along roadsides and riverbanks. Fast replacement of different working tools enables the mower to be used for different road maintenance tasks.

High reliability in demanding terrain is achieved with special design of the mower, which enables fast maneuvering between obstacles and fast arm movement with simple control.



ADDITIONAL SUMMER MAINTENANCE EQUIPMENT



MKN

MKN is a brush for cleaning roads and paths. It can be equipped with a tank for collecting dust and similar small waste. With a cleaning width of 2100 mm, it is ideal for cleaning remaining spreading agent after the winter period.

The brush completely adapts to the surface to be cleaned thanks to an axial tilt system. Auxiliary wheels ensure even brush pressure on the surface, enabling thorough cleaning. The MKN can be mounted on the front mounting plate of the tractor or on the front hydraulic levers, the Unimog or on a construction vehicle via special type of mounting plate.



KKM

The KKM front boom mower with a reach of up to 4 meters is intended for the maintenance of vegetation along roads. Due to its smaller dimensions and mounting on small municipal vehicles, it is ideal for urban and rural areas, as well as for hard-to-reach areas outside cities. It consists of a front frame with slide rails, intended for holding the main mower support. Two hydraulically operated arms are mounted on the support.

A mowing head is placed at the top end of the upper hydraulic arm. The support wheels of the front frame ensure the stability of the device in operation. Mowing side can be changed from right to left, by simple rotation of the boom arms and the working head.

MOWING HEADS AND WORKING TOOLS

Mowing vegetation of different thickness, profiling roadside ditches, brushing of dirt and vegetation and maintaining tree canopies are some of the tasks RASCO mowers can perform.

For this purpose, RASCO offers two different types of mowing heads and three other working tools that can be used with all crane mowers from the product portfolio.



BM

BM is a brush designed for removing grass, dirt and remaining winter maintenance spreading material from roads.



SRG

The SRG is a branch cutter available in widths of 1.4, 1.8 and 2.0 m, designed for the maintenance of canopies, shrubs and trees up to 100 mm in diameter.



KAN

KAN is a ditch cleaner designed for cleaning and profiling road ditches.



HYDRA

HYDRA is a mowing head for mowing vegetation up to 50 mm in diameter. The spiral distribution of the cutting blades reduces energy losses, while the adjustable opening at the rear end of the mowing head enables a high outflow of the clippings and thus a higher mowing speed.

HYDRA can be equipped with different types of cutting blades, according to the type of vegetation to be mowed.



TORNADO

TORNADO is a mowing head designed for smaller vegetation maintenance. The mowing head can be equipped with two different types of blades for cutting vegetation of different thickness, from 15 to 30 mm in diameter.

Built-in safety elements, specially designed rotor and selection of blades make TORNADO the ideal choice for vegetation maintenance in urban areas.

MOWERS CONTROL SYSTEMS

RASCO mowers can be delivered with two different control systems, full proportional control (TotalMotion) or selective proportional control (SelectMotion).

TotalMotion

The fullyl proportional control is designed for controlling mowers in difficult terrain with many obstacles that require constant maneuvering of the crane arms.

Each movement of the joystick results in a movement of one or more hydraulic cylinders positioning the arm of the mower to the desired position.

SelectMotion

Selective proportional control enables simple control of the mower crane arm and attached working tool on more challenging terrain.

Each movement of the joystick results in the movement of only one currently selected hydraulic cylinder, so positioning the moving arms in the desired position requires more than one joystick movement.



SWEeper ATTACHMENTS FOR MULTIFUNCTIONAL VEHICLES

The RASCO summer maintenance product portfolio also offers professional sweeping attachments for small multifunctional vehicles.

Combined with different front attachments like brushes, washers or mowers, the SX2, SX1200 and SX1600 vacuum sweepers are truly multifunctional attachments for MUVO and similar municipal vehicles.

The SX2, SX1200 and SX1600 sweepers have been designed to take full advantage of the specific characteristics of the vehicles, turning the small multifunctional vehicles into efficient machines for summer service. The sweeping quality of RASCO sweepers is confirmed by the EUnited PM certificate.



SX2

SX2 is a multifunctional attachment bringing sweeping characteristics of single purpose sweepers to multifunctional MUVO vehicles. The standard SX2 configuration includes a front cleaning system with two independent brushes for a maximum sweeping width of 2.4 m.

For maximum sweeping efficiency, the system can be upgraded with a third brush, increasing sweeping width to 2.6 m. Front brushes can be replaced with washers or a mower, turning the sweeper's hopper into water tank or a container for cut grass.

The hopper capacity of 1.6 m³, the 300 L freshwater tank, the water recirculation system and the four-star EUnited PM certificate are a guarantee of clean streets, walkways and city squares when MUVO-SX2 combination is used.

SX1200 | SX1600

The robust and easy to use SX1200 and SX1600 sweeping attachments have been specially developed for mounting on small municipal vehicles from various manufacturers. The individual brush control combined with the high maneuverability of municipal vehicles is a guarantee that no corner or narrow space will be left uncleaned.

The SX1600 is equipped with a 1.6 m³ hopper and a 280 L freshwater tank, while the SX1200 has a 1.2 m³ hopper and a 220 L freshwater tank. Both sweepers feature a water recirculation system.

SX1200 and SX1600 sweepers have the EUnited PM certificate.





Advanced Road Management System

ARMS is an information and communication system for controlling central monitoring, reporting and optimizing activities related to traffic infrastructure maintenance. The system monitors in real time the working hours of people and machines, as well as resources consumed, such as the amount of used spreading salt, vehicle fuel, etc. This creates a unique opportunity to quickly decide on potential resource saving methods while at the same time protecting the traffic infrastructure and its surroundings.

The system gathers information on vehicle and work equipment usage in real time using GPS mobile data access, which is standard in almost every country in the world. ARMS reports allow fast and efficient monitoring of all tracked activities. The system is user friendly – each user can create the type, layout and form of the report according to their needs.

The information collection application is cloud-based and maintained by RASCO experts, reducing operational costs and the need for system maintenance by users. The system is accessed through a simple web interface from any computer.

AFTER-SALES SUPPORT

Every RASCO solution comes with fast and reliable after-sales support

The basis of after-sales support is educated people and an IT system that guarantees consistent processing of requests made by customers. The after-sales team is always ready to respond to all your requests and inquiries. For after-sales support to function flawlessly in all markets, RASCO Academy was launched as an educational program that provides all the necessary knowledge to all distributors of RASCO products for efficient and successful response to every RASCO product user's request.

An experienced team of highly educated experts is available for all inquiries related to products. The service team eliminates product malfunctions, while well stocked spare parts warehouses guarantee minimal downtime between the occurrence of a machine failure and the restoration of full operational readiness.

A constant focus on supporting customers and partners throughout the product lifecycle is key to RASCO's success. That's why the resolution of each malfunction is followed by a detailed investigation of its causes. Corrective measures are then taken to avoid the occurrence of such malfunctions in the future. Information gathered from customers is used to improve products and the manufacturing process.



CONTACT

Your opinion matters to us

Find more information about RASCO products, read our blog to keep up to date with our activities, subscribe to our newsletter or contact us through the official website www.rasco.hr.

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OUR TEAM

RASCO. Your international partner.

RASCO products are available in more than 40 markets around the world. A wide and strategically positioned network of RASCO subsidiaries and distributors can respond to any customer needs and requests. In the selection of business partners, RASCO applies the same criteria that are crucial in the selection of RASCO employees. Proactivity, the desire for constant improving, the pursuit of progress and growth and the customer-oriented business practices are the most important characteristics of RASCO's distributors.

A carefully established distribution network reflects RASCO's philosophy of quality and after-sales support. This ensures that the machines we deliver meet your needs and work perfectly at any given moment.

Detailed information about RASCO subsidiaries and distributors can be found on our website www.rasco.hr.





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