



HIGH PERFORMANCE ICE AND SNOW MANAGEMENT EQUIPMENT

**TRACTOR SNOW PLOWS
TRUCK AND UTILITY VEHICLE SNOW PLOWS
GRITTERS AND SWEEPERS**

www.samasznorthamerica.com

Over 70 models

of machines for winter road maintenance



Access to top quality technical equipment, conforming to high requirements is considered to be a challenge at the designing stage.

To meet these needs, we offer top quality technological solutions, based on 39-year experience in designing agricultural and municipal equipment. We will help to achieve your success !

Many have already trusted us. We are passionate about designing machines to meet any needs !

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SNOW PLOWS FOR MUNICIPAL TRACTORS

SMART 120, SMART 150, SMART 180, SMART 200, SMART 220,
LITE 130, LITE 150, LITE 180



Single moldboard, SMART snow plow is especially designed to clear sidewalks, streets or squares of even surface, as well as tight residential areas such as driveways and small condo complexes. Clearing edge, made of rubber, polyurethane or hard-wearing steel is tapered shaped, which helps to create slight, protective layer of snow at the cleared surface (stamped concrete, granite slabs, pavement, asphalt, paver brick, etc.). Thin film protects high-end surfaces against scratches and other damage.

- SMART range standard equipment:**

 - rolled shield
 - stepless hydraulic adjustment of the shield
 - spring protection (4 springs)
 - 3 - point linkage Cat. 1 hitch
 - clearing edge at choice
 - electric connection 12 V (lighter socket)
 - LED lights 12V or 24 V
 - support stand
 - E-coat + powder coating
- SMART / LITE range optional equipment:**

 - adapter for triangle
 - support wheels (set)
 - skids (set)

- LITE range standard equipment:**
- rolled shield
 - stepless hydraulic adjustment of the shield
 - spring protection (2 springs - optional)
 - hitch for municipal triangle (475 mm/15'7" distance between lower links)
 - ground following
 - sliding skids
 - 2 clearing edges – rubber and steel (turnable)
 - LED lights 12 V or 24 V
 - electric connection 12 V (lighter socket)
 - support stand
 - curb guards
 - E-coat + powder coating



SNOW PLOWS LIGHT CLASS

CITY 150, CITY 180, CITY 200, CITY 220



CITY snow plows, with permissible front load up to 1.5 ton, have been designed to operate with various types of vehicles. To make it possible, a lot of different types of adaptation frames have been developed. These plows are used to clear snow from squares, sidewalks or residential driveways and are suitable for both, residential or commercial assignments. Two-wing moldboard, allows to operate in five, fixed positions as well as different angle combinations. CITY snow plows

CITY range standard equipment:

- 2 independent shields
- stepless hydraulic adjustment of the shield
- trip clearing edges
- clearing edge at choice
- ground following feature (only with SaMASZ frame)
- electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- support stand
- curb guards
- E-coat + powder coating

CITY range optional equipment:

- rubber, steel, poliurethane or Mutter-kombi clearing bar
- adaptation frames
- control panel - MULTIFUNCTION
- support wheels (set)
- skids (set)
- markers (set)

are equipped with two rams, driven off of the vehicle's hydraulic system, which therefore allows for indpendent and stepless control over the wings, within the ±30° range. Optional, adjustment links, allow to manually adjust the plow angle to the right or left. Releasing a pin, moving the wing in the desired direction, then re-inserting the pin in the appropriate hole, sets the wing position.



SaMASZ frame system as a innovative design of hitch assembly and safety device, features:

- a) transverse ground following of ±6°
- b) damage protection - frame's break-off point setting, adjusted with quantity of bolts and their class
- c) adaptation with wide range of different vehicles possible

Clear uneven surfaces down to the pavement with SaMASZ frame system.

SNOW PLOWS LIGHT CLASS

UNI 180, UNI 200, UNI 220



The UNI plow is a lightweight straight blade plough for low-power tractors (20-60 hp), mini loaders and urban cleaning vehicles of the Multicar type. It is used for snow clearing from roads, sidewalks, parking lots and other urban areas.

UNI range standard equipment:

- rolled shield
- stepless hydraulic adjustment of the shield
- spring protection (6 springs – adjustable)
- adjustable angle of attack
- ground following feature (only with SaMASZ frame)
- clearing edge at choice
- electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- support stand
- curb guards
- E-coat + powder coating



Optional equipment:

- rubber edge 30 mm / 1 3/16
- steel edge 8 mm / 5/16
- polyurethane edge 30 mm / 1 3/16
- KOMBI edge 25 mm / 63/64
- rubber - corundum edge 40 mm / 1 37/64
- support wheels (set)
- skids (set)
- markers (set)

Advantages:

- variable blade angle from 0°, 7°, 14°, 21°
- working angle up to 32°
- transverse ground following range on a frame - +/- 6°
- structure of the mouldboard allowing for close passage by the walls
- lightweight design
- double overload protection - full trip mouldboard and shear bolts
- possibility of inserting a hook under each vehicle (CITY series plow frame system)
- possibility of fitting with support wheels or skids as an option
- the plow does not require greasing - sliding sleeves are used on the joints

Frame system

SaMASZ ploughs (CITY, UNI, PSV, RAM, Alps, OLIMP series) can be aggregated with practically any type of vehicle. The patented frame system allows you to change the hook quickly by removing only 8 bolts. It is possible to aggregate them with many municipal vehicles, MULTICAR type, construction machines e.g. Big Avant, Kramer, Weidemann, JCB, Manitou



SNOW PLOWS MEDIUM CLASS

RAM 250, RAM 270, RAM 300



Medium class, RAM snow plow, with hydraulic angle change system and permissible front load, up to 6 tons is designed to clear snow out of the roads, parking lots and other fairly uneven areas. It can operate with municipal tractors, agricultural tractors with cat.II front link or any other vehicle thanks to the patented system of SaMASZ adaptation frames.

RAM range standard equipment:

- rolled shield
- stepless hydraulic adjustment of the shield
- spring protection (6 springs – adjustable)
- adjustable angle of attack
- ground following feature (only with SaMASZ frame)
- clearing edge at choice
- electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- curb guards
- E-coat + powder coating

Optional equipment:

- rubber edge 50 mm / 1 31/32
- steel edge 12 mm / 15/32
- steel edge 20 mm / 25/32
- polyurethane edge 50 mm / 1 31/32
- KOMBI edge 36 mm / 1 27/64
- rubber - corundum edge 50 mm / 1 31/32
- support wheels (set)
- skids (set)
- markers (set)

Advantages:

- working angle up to 30°
- transverse ground following range on a frame - +/- 6°
- double overload protection:
- full-trip moldboard and sheared bolts
- suitable for many vehicles (SaMASZ frame system: PSV range)
- support wheels and sliding skids as optional equipment



SNOW PLOWS MEDIUM CLASS

PSV 161, PSV 181 , PSV 201 , PSV 231, PSV 251, PSV 271, PSV 301



Medium class, PSV snow plows, with permissible front load - up to 6 tons, are designed to operate with agricultural tractors. Owing to the adaptation frame system (adapters), the unit can be aggregated with practically any other type of self-propelled machines, such as: telescopic loaders, excavators or backhoe-loaders, as well as steer skids or utility vehicles, etc. PSV snow plows are used to clear snow from parking lots, roads, squares and any other paved or unpaved areas. Snow plows are often exposed to obstacles hidden underneath the snow, owing to this fact, SaMASZ snow plows have been equipped with various safety features (trip-back clearing edge, hydraulic safety system, adapter safety system).



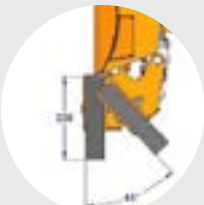
Control panel -
MULTIFUNCTION



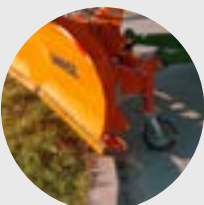
Support wheel
only for PSV 161 and
PSV 181



Skids



Trip back mechanism, allows for
clearing edge deflection
up to 43° and the section to trip
back and over, which therefore
allows to slide over 24 cm (9 1/2")
high obstacles.



SNOW PLOWS MEDIUM CLASS

PSV 161, PSV 181 , PSV 201 , PSV 231, PSV 251, PSV 271, PSV 301



PSV range standard equipment:

- 2 independent shields
- stepless hydraulic adjustment of the shield
- trip clearing edge
- clearing edge at choice
- ground following range (only with SaMASZ frame)
- electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- support stand
- curb guards
- E-coat + powder coating

Optional equipment:

- rubber edge 50 mm / 1 31/32
- steel edge 10 mm / 25/64
- steel edge 20 mm / 25/32
- polyurethane edge 50 mm / 1 31/32
- KOMBI edge 36 mm / 1 27/64
- rubber - corundum edge 50 mm / 1 31/32
- support wheels (set)
- skids (set)
- control panel - MULTIFUNCTION / PLUS
- snow deflector
- markers (set)



SNOW PLOWS MEDIUM CLASS

PSV 231 Up, PSV 251 Up, PSV 271 Up, PSV 301 Up, PSV 231 Up H, PSV 251 Up H, PSV 271 Up H, PSV 301 Up H



Main characteristics of PSV Up and PSV Up H snow plows:

- operate with all popular trucks or tractors equipped with front din plate conforming to EN 15432-F1 (DIN 76060)
- feature mounting unit with additional cylinder for plow rise
- PSV Up - means, that the plow has no hydraulic pump - vehicle must supply hydraulics
- PSV Up H - the 'H' symbol means, that the plow has its own hydraulic pump - it is independent of any vehicle
- trip back mechanism allows for deflection up to 43° and the moldboard to trip back and over, which therefore allows for sliding over 24 cm / 9 29/64" high obstacles
- own hydraulic assembly allows for precise and independent maneuvers

PSV Up and PSV Up H range standard equipment:

- own lifting system
- 2 independent shields
- stepless hydraulic adjustment of the shield
- trip clearing edges
- ground following feature
- clearing edge at choice
- electric connection 12 V (lighter socket) / Electric connection 24 V (version with hydraulic pump)
- road lights
- LED lights 12 V or 24 V
- lightening
- manometer
- curb guards
- E-coat + powder coating
- own hydraulic unit + oil pump + steering panel STANDARD UP H (24 V) - only in PSV UP H

Optional equipment:

- rubber edge 50 mm / 1 31/32
- steel edge 10/20 mm / 25/64 / 25/32
- polyurethane edge 50 mm / 1 31/32
- KOMBI edge 36 mm / 1 27/64
- rubber - corundum edge 50 mm / 1 31/32
- hydraulic unit with oil pump
- plate EN 15432 - F1 DIN 76060 (From the vehicle's side)
- support wheels (set)
- skids (set)
- snow deflector
- markers (set)



SNOW PLOWS HEAVY DUTY CLASS

AlpS 271, AlpS 301, AlpS 331, AlpS 361, AlpS 401



AlpS range snow plows are heavy duty contractor machines with permissible front load - up to 12 tons. These are twice as rigid as medium class PSV snow plows and can be characterized by their versatility:

- a) for snow and ice maintenance - mounted on tractor's front link, on telescopic loaders, on loader-excavators of such brands as: Cat, JCB, HSV, Liebherr, Komatsu, Volvo, Schaffer, Krammer, Manitou
- b) for non-commercial use as light class earth movers or for road levelling, etc.

AlpS range standard equipment:

- 2 independent shields
- stepless hydraulic adjustment of the shield
- trip clearing edges
- hydraulic overload protection from 361 type
- clearing edge at choice
- ground following (only with SaMASZ frame)
- electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- support stand
- curb guards
- E-coat + powder coating

Optional equipment:

- rubber edge 50 mm / 1 31/32
- steel edge 12/20 mm / 15/32 / 25/32
- polyurethane edge 50 mm / 1 31/32
- KOMBI edge 36 mm / 1 27/64
- rubber - corundum edge 36 mm / 1 27/64
- frame type I or II
- adapter for triangle
- hydraulic overload protection
- multifunctional steering panel / Plus
- support wheels (set)
- skids (set)
- snow deflector
- markers (set)



Support wheels

Divided clearing bar, trip-back assembly
• in AlpS 361 and 401:
6-section assembly
• in AlpS 301 and 331:
4-section assembly

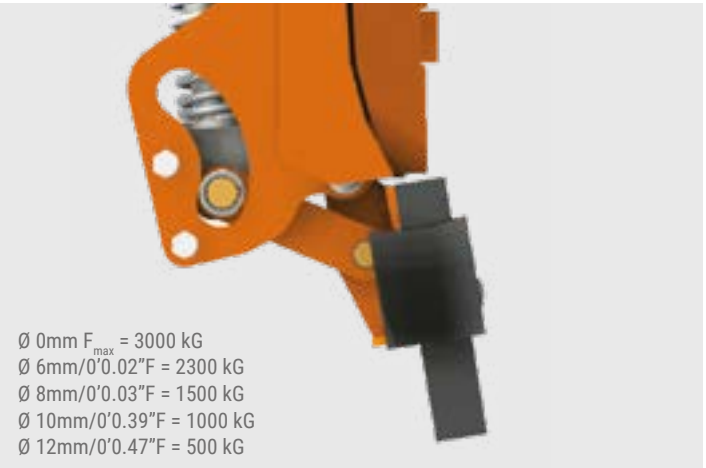
Skids

Küper's skids of highest durability



Clearing edge, trip-back mechanism

Loosening or tightening the bolt makes the rollers of the blade tilting mechanism move and as a result, the force of the blade release is adjusted to the maximum of 80°.



Ø 0mm F_{max} = 3000 kG
Ø 6mm/0'0.02"F = 2300 kG
Ø 8mm/0'0.03"F = 1500 kG
Ø 10mm/0'0.39"F = 1000 kG
Ø 12mm/0'0.47"F = 500 kG



1. Rubber, 2. Polyurethane-Vulkollan 3. Steel HB 400, 4. Rubber - corundum, 5. KOMBI (Steel rubber - corundum)

SNOW PLOWS HEAVY DUTY CLASS

AlpS 301 Up, AlpS 331 Up, AlpS 301 Up H, AlpS 331 Up H



Main characteristics of AlpS Up and AlpS Up H:

- Designed to operate in the most difficult conditions
- operate with all popular trucks or tractors equipped with front din plate conforming to EN 15432-F1 (DIN 76060)
- AlpS Up - means, that the plow has no hydraulic pump - vehicle must supply hydraulics
- AlpS Up H - the „H“ symbol means, that the plow has its own hydraulic pump - it is independent of any vehicle

AlpS Up and Up H range standard equipment:

- own lifting system
- 2 independent shields
- stepless hydraulic adjustment of the shield
- trip clearing edges
- hydraulic overload protection
- clearing edge at choice
- ground following feature
- electric connection 12 V (lighter socket)/Electric connection 24 V (version with hydraulic pump)
- road lights
- LED lights 12 V or 24 V
- lightening
- manometer
- support stand
- curb guards
- E-coat + powder coating

Optional equipment:

- rubber edge 50 mm / 1 31/32
- steel edge 12/20 mm / 15/32 / 25/32
- polyurethane edge 50 mm / 1 31/32
- KOMBI edge 36 mm / 1 27/64
- rubber - corundum edge 50 mm / 1 31/32
- frame type I or II
- adapter for triangle
- hydraulic overload protection
- multifunctional steering panel / Plus
- support wheels (set)
- skids (set)
- snow deflector
- markers (set)



Hydropneumatic accumulator and pressure gauge visible from the driver's seat, allow for smooth unloading and adjustment of pressure on a carriag way.



SNOW PLOWS HEAVY DUTY CLASS

JUMP 280, JUMP 320



The heavy-duty JUMP snow plow is designed for quick and effective clearing of accumulated snow, slush and ice. It has been specially designed and adapted to work at high speed. Therefore, it is perfect for expressways, main roads, as well as local and access roads. Modern, solid construction and appropriately selected weight of the plow allows removing large amounts of snow regardless of the degree of glaciation.

Main advantages:

- the unique mouldboard mechanism and the maintenance of a large three segment blade (from 35°) ensure that it can be used on any type of surface
- The transverse ground following on the frame in the range of ±5° and the floating feature (approx. 40 mm / 1 37/64") enable the plough to be perfectly suited to the terrain
- unique spring and pressure protection (on the cylinder) effectively protect the structure against overloads
- plastic mouldboard makes it easy to move snow and does not corrode
- The 45-degree working angle to the right and left guarantees a very accurate discard of the scrapped snow
- aggregation with 80-160 hp tractors, loaders and urban cleaning vehicles via a frame system,
- KÜPER skids protect the plow from damage and absorb impacts

The mouldboard is made of plastic, which eliminates the possibility of corrosion, and its large working angle (45°) to the right and left guarantees a very accurate discard of the scrapped mass. JUMP is an excellent choice for extreme winter conditions.



JUMP adapts perfectly to the profile of the traffic lane, it effectively eliminates excess snow, without damaging the surface.



Spring and pressure protection (on the cylinder) effectively protect the structure against overloads.

SNOW PLOWS HEAVY DUTY CLASS

OLIMP 300, OLIMP 330, OLIMP 300 UP

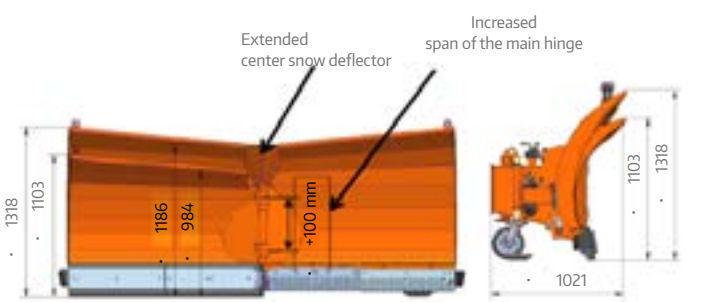


Heavy duty OLIMP snow plows have been especially designed to operate in the most difficult weather conditions. Ideal for commercial as well as residential contractors. Perfect for snow and ice management of parking lots, side streets, back roads

or municipal streets, places with heavy snowfalls. The bold new design features an aggressive attack angle and precise curvature that delivers superior path clearing and snow-rolling action that moves more snow in less time.

As compared to AlpS 301, OLIMP 300 features:

- enlarged moldboards, approx. 200mm/(8") higher
- increased main hinge span of 100 mm (4") - stronger headstock
- extended center snow deflector, keeps snow and ice off the windshield
- reinforced wing's design, multiple one-piece vertical ribs, heavy-gauge steel, heavy-duty caster wheels deliver proper support on paved and gravel surfaces
- standard-delivered safety overload device for wing cylinders
- strengthened lower moldboards with 16 mm/ 5/8" thick metal sheet
- removable shield guards and turret prevent the vehicle's front glass pane from being covered with snow



OLIMP range standard equipment:

- 2 independent shields
- stepless hydraulic adjustment of the shield
- trip clearing edges
- hydraulic overload protection
- 3 - point linkage hitch Cat. II
- clearing edge at choice
- ground following (only with SaMASZ frame)
- electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- protection against snow throwing
- support leg
- safety bumper
- powder painting

Optional equipment:

- rubber edge 50 mm / 1 31/32
- steel edge 12/20 mm / 15/32 / 25/32
- polyurethane edge 50 mm / 1 31/32
- KOMBI edge 36 mm / 1 27/64
- rubber - corundum edge 50 mm / 1 31/32
- frame type I or II
- fixed hitch
- support wheels (set)
- skids (set)
- markers (set)



ROTARY SNOW BLOWER

TORNADO 202 (H), TORNADO 252 (H)



TORNADO 252 a high-performing snow blower designed to clear snow from large, farm driveways, side roads, paved or unpaved paths as well as for snow removal from streets, parking lots or large squares. It can operate in all weather conditions. It is suitable for removal of snowdrifts with the height of up to 1 m (3'3"). It works regardless of surface type thanks to the adjustable sliding skids. It has an efficient auger system with high throwing capacity. Operate on front or rear hitch with tractor power of more than 90 Hp. It picks-up and throws snow away, up to 30 m (10'), with possibility of snow discharge onto a truck or a trailer.

Advantages:

- front or rear mounting possible
- adjustable, support sliding skids made of hard-wearing steel - will adapt to any surface
- work height can be extended with optional chute extension (e.g. for loading snow onto trailers)
- blowing chute can be adjusted hydraulically within its 360° range
- easy resetting for right or left PTO rotation
- throw angle adjustment
- auger equipped with replaceable, hardened steel cutting edges
- PTO shaft with friction clutch as a seafty mechanism in case of auger overload or sudden stoppage

TORNADO range standard equipment:

- hydraulic adjustment of blowing tube and blowing distance
- steered clearing bar with perforated part
- 3 - point linkage hitch Cat. II
- built - in overload clutch
- adjusted to left and right rotation of PTO
- PTO shaft



TRACTOR SWEEPERS

MOP 120, MOP 140, MOP 160, MOP 200

TRACTOR GRITTERS

SAND 400, SAND 600



SWEEPERS - applications:

The machine is designed for sweeping with direct collection of road debris from the streets, squares, as well as an asphalt, concrete and cobbled sidewalks. Sweeper can be used for one-side operation, although collection bin must be demounted first. Useful for winter maintenance of residential streets, driveways, squares or intersections.

Standard equipment:

- hydraulic drive - one pair of hydraulic couplers
- collection bin
- support wheels
- mixed sweep (plastic and metal)
- 30° operating angle range

Optional equipment:

- hydraulic, bin discharge
- side brush
- sprayers to reduce the dust
- extended headstock for side brush version



GRITTERS - applications:

Spreader is designed to spread sand or sand/salt mix at the streets, allyes, sidewalks, etc. The unit is mounted on tractor's 3-point hitch and is driven by the PTO.



Advantages:

- simple operation
- sand, spreading amount, adjustment and uniform operating width
- SAND 400 H/600 H features hydraulic stop/realise mechanism

PROFESSIONAL SAND SPREADER

SAHARA 140, SAHARA 200, SAHARA 240,

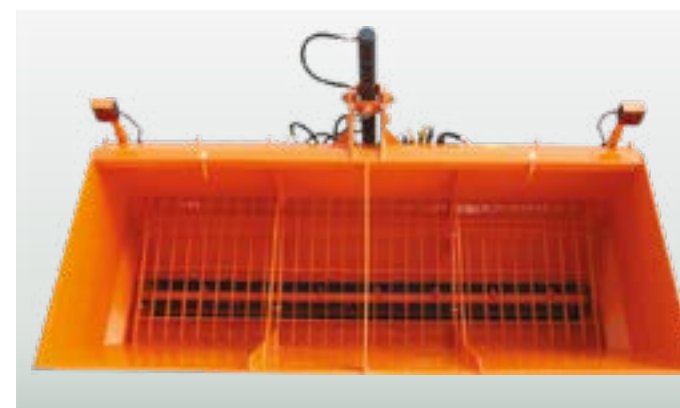


Applications:

- SAHARA 240 - V = 1.8 m, is used for sand/salt spreading of the streets, roads or driveways. They are a very efficient alternative for smaller towns or neighbourhoods in snow maintenance
- spreading aggregate (grit) for construction purposes as well as street servicing and maintenance
- spreading top soil on sports pitches, golf fields and other green areas

Advantages:

- uniform material spread into demanded width with the use of dosing mechanism
- not dangerous for on side vehicles or pederstrians, does not cause any damage to passed-by areas
- spreading rate adjustment possible with rpm's change, of the dosing shaft, as well as with the right pressure setting of the rear discharge tray



PROFESSIONAL SAND SPREADER

VORTEX 600, VORTEX 600E
SPARGO 100, GOBI 140, GOBI 140H



The VORTEX spreader is designed for spreading sand and salt mixtures on public roads and sidewalks. The disc spreading system ensures an even and precise spreading of sand on the streets and sidewalks. The intensity, width (up to 8.00 m) and the direction of spreading are electrically controlled from the

tractor cab.
The machine can be attached by the three-point linkage cat. II and is driven by the PTO shaft. Equipping of the spreader with the extension (optional) increases its capacity by 400l.

Standard equipment:

- PTO shaft
- safety bar
- safety cover (curtain)
- spreading adjustment
- inspection window
- powder painting

Optional equipment:

- hydraulic drive
- additional top section 400 L (pc)
- spreading depended on speed of operation (GPS)
 - only with E version
- warning triangle

Advantages:

- spreading amount adjustment
- fast sand discharge



PROFESSIONAL SAND SPREADER - SPARGO 100, GOBI 140, GOBI 140H



Main characteristics:

Gobi gritter is designed to spread sand or salt onto the sidewalks, streets, parking lots. Ideal for residential estates, squares or long, farm driveways. Owing to gravity discharge of spread material, the machine does not cause any damage to passed-by vehicles, pose any danger to pedestrians and cause any damage to lawns when spreading salt.

The machine is to be filled manually with shovel or loader. SPARGO 100 is to be mounted on tractor's drawbar. Gobi 140 on the hitch.



TABLE OF CHARACTERISTICS AND ADDITIONAL EQUIPMENT

SNOW PLOWS - SMART, LITE

Plow type	SMART 120	SMART 150	SMART 180	SMART 200	SMART 220	LITE 130	LITE 150	LITE 180
Working width max / min [ft]	3'11" / 3'4"	4'11" / 4'2"	5'11" / 4'11"	6'7" / 5'7"	7'3" / 5'11"	4'3" / 3'10"	4'11" / 4'6"	5'10" / 5'3"
Moldboard height [ft]	2'1"					1'10"		
Dimensions: l / w / h [ft]	2'2" / 4' / 2'6"	2'2" / 4'11" / 2'6"	2'2" / 5'11" / 2'6"	2'2" / 6'8" / 2'6"	2'2" / 6'8" / 2'6"	1'10" / 4'6" / 2'3"	1'10" / 5'1" / 2'3"	1'10" / 6'1" / 2'3"
Working angle right / left	up to 35°					up to 27°		
Attachment	Cat. I (standard)					municipal triangle		
Weight [lbs]	265	285	308	330	375	253	287	320

Standard EQUIPMENT

- full-trip, folded moldboard
- hydraulic controls
- trip springs (4 springs)
- 3-point hitch Cat. I
- rubber, steel or polyurethane clearing

- edge (type of your choice)
- power supply 12 V (lighter socket)
- LED lights 12V or 24 V
- adjustable stand

Optional EQUIPMENT

- rubber, steel, polyurethane or Mutter-kombi clearing edge
- adapter for municipal triangle quick-hitch
- adapter for municipal triangle Cat. 0 (660 mm distance between lower links)
- additional trip-springs
- support wheels (set)
- skids (set)

SNOW PLOWS - CITY

Plow type	CITY 150	CITY 180	CITY 200	CITY 220
Working width max / min [ft]	4'11" / 4'4"	5'10" / 5'2"	6'6" / 5'8"	7'2" / 6'4"
Moldboard height [ft]	1'11" / 2'2"	1'11" / 2'3"	1'11" / 2'4"	1'11" / 2'5"
Protection	Trip edges (4 springs) + sheared bolts on a frame			
Dimensions: l / w / h [ft]	2'4" / 4'11" / 2'7"	2'5" / 5'11" / 2'8"	2'6" / 6'7" / 2'9"	2'6" / 7'5" / 2'9"
Working angle right / left	up to 30°			
Attachment	Mounting frame or Cat. I narrow 1'3" in - distance between lower links (option)			
Weight [lbs]	287	320	341	363

Standard EQUIPMENT

- 2 independent, hydraulically controlled wings + control panel
- trip-back clearing edge assembly
- clearing edge (type of your choice)
- ground following system (only with SaMASZ frame)

- power supply 12 V (lighter socket)
- LED lights 12V or 24 V
- adjustable stand
- curb guard

Optional EQUIPMENT

- rubber, steel, polyurethane or Mutter-kombi clearing edge
- adaptation frames
- control panel - MULTIFUNCTION
- support wheels (set)
- skids (set)
- markers (set)

SNOW PLOWS - UNI

Plow type	UNI 180	UNI 200	UNI 220
Working width max / min [ft]	5'10" / 5'1"	6'6" / 5'7"	7'2" / 6'2"
Moldboard height [ft]	27"		
Number of hydraulic connectors	2 (1 pair)		
Dimensions: l / w / h [ft]	3'5" / 6'1" / 3'1"	3'5" / 6'9" / 3'1"	3'5" / 7'5" / 3'1"
Working angle right / left	up to 32°	up to 32°	up to 32°
3-point hitch category	I	I	I
Weight [lbs]	473	496	518

Standard EQUIPMENT

- full-trip, folded moldboard
- hydraulic controls
- trip-springs (6 adjustable trip-springs)
- adjustable angle of attack
- ground following system (only with SaMASZ frame)

- rubber, steel or polyurethane clearing edge (type of your choice)
- power supply 12 V (lighter socket)
- LED lights 12V or 24 V
- adjustable stand
- curb guard

Optional EQUIPMENT

- rubber, steel, polyurethane or Mutter-kombi clearing edge
- support wheels (set)
- skids (set)
- markers (set)

TABLE OF CHARACTERISTICS AND ADDITIONAL EQUIPMENT

SNOW PLOWS - RAM

Plow type	RAM 250	RAM 270	RAM 300
Working width max / min [ft]	8'2" / 7'1"	8'10" / 7'8"	9'10" / 8'6"
Moldboard height [ft]	2'5" / 2'9"		
Number of hydraulic connectors	2 (1 pair)		
Dimensions: l / w / h [ft]	3'5" / 8'5" / 3'6"	3'5" / 9'1" / 3'6"	3'5" / 10'1" / 3'6"
Working angle right / left	up to 30°		
Weight [lbs]	617	661	727

Standard EQUIPMENT

- 2 independent, hydraulically controlled wings + control panel
- trip-back clearing edge assembly
- clearing edge (type of your choice)
- ground following system
- (only with SaMASZ frame)
- power supply 12 V (lighter socket)
- LED lights 12 V or 24 V
- adjustable stand
- curb guard

Optional EQUIPMENT

- rubber, steel, polyurethane or Mutter-kombi clearing edge
- other type of adapter
- support wheels (set)
- hydraulic overload protection
- Type I or Küper sliding skids (set)
- control panel - MULTIFUNCTION
- snow deflector
- markers (set)

SNOW PLOWS - PSV

Plow type	PSV 161	PSV 181	PSV 201	PSV 231	PSV 251	PSV 271	PSV 301
Working width max / min [ft]	5'4" / 5'	6' / 5'3"	6'7" / 5'11"	7'7" / 6'7"	8'3" / 7'2"	8'11" / 7'8"	9'11" / 8'7"
Moldboard height [ft]	2'7" / 2'2"	2'7" / 2'2"	2'7" / 3'	2'7" / 3'1"	2'7" / 3'1"	2'7" / 3'2"	2'7" / 3'3"
Dimensions: l / w [ft]	3'2" / 5'8"	3'3" / 6'4"	3'3" / 7'	3'3" / 7'7"	3'4" / 8'8"	3'4" / 9'4"	3'4" / 10'4"
Protection	trip edges (8 springs) + shear bolts on mounting frame						
Working angle right / left	up to 30°						
Weight [lbs]	507	540	573	661	782	815	903

Standard EQUIPMENT

- 2 independent shields
- Stepless hydraulic adjustment of the shield
- Trip clearing edges
- Clearing edge at choice
- Ground following (only with SaMASZ frame)
- Electric connection 12 V (lighter socket)
- LED lights 12 V or 24 V
- Support stand
- Curb guards
- E-coat + powder coating

Optional EQUIPMENT

- rubber edge 50 mm / 1^{31/32}
- steel edge 10 mm / ²⁵/₆₄
- steel edge 20 mm / ²⁵/₃₂
- polyurethane edge 50 mm / 1^{31/32}
- KOMBI edge 36 mm / 1²⁷/₆₄
- rubber - corundum edge 50 mm / 1³¹/₃₂
- support wheels (set)
- skids (set)
- control panel - MULTIFUNCTION / PLUS
- snow deflector
- markers (set)

PLOWS WITH LIFTING ASSEMBLY AND HYDRAULICS - Seria PSV Up and PSV Up H

Plow type	PSV 231 Up	PSV 251 Up	PSV 271 Up	PSV 301 Up	PSV 231 Up H	PSV 251 Up H	PSV 271 Up H	PSV 301 Up H
Working width max / min [ft]	7'7" / 6'7"	8'3" / 7'4"	8'11" / 7'8"	9'11" / 8'7"	7'7" / 6'7"	8'3" / 7'4"	8'11" / 7'8"	9'11" / 8'7"
Clearing bar height min / max [ft]	2'7" / 3'1"	2'7" / 3'1"	2'7" / 3'2"	2'7" / 3'3"	2'7" / 3'1"	2'7" / 3'1"	2'7" / 3'2"	2'7" / 3'3"
Dimensions: l / w / h [ft]	4'4" / 8' / 4'11"	4'9" / 8'9" / 4'11"	4'9" / 9'4" / 4'11"	4'9" / 10'4" / 4'11"	4'4" / 8' / 4'11"	4'9" / 8'9" / 4'11"	4'9" / 9'4" / 4'11"	4'9" / 10'4" / 4'11"
Working angle right / left	up to 30°							
Weight [lbs]	992	1113	1146	1223	1146	1267	1289	1388

Standard EQUIPMENT

- Own lifting system
- 2 independent shields
- Stepless hydraulic adjustment of the shield
- Trip clearing edges
- Ground following
- Clearing edge at choice
- Electric connection 12 V (lighter socket) / Electric connection 24 V (version with hydraulic pump)
- Road lights
- LED lights 12 V or 24 V
- Lightning
- Manometer
- Curb guards
- E-coat + powder coating

Optional EQUIPMENT

- rubber edge 50 mm / 1³¹/₃₂
- steel edge 10/20 mm / ²⁵/₆₄ / ²⁵/₃₂
- polyurethane edge 50 mm / 1³¹/₃₂
- KOMBI edge 36 mm / 1²⁷/₆₄
- rubber - corundum edge 50 mm / 1³¹/₃₂
- hydraulic unit with oil pump
- plate EN 15432 - F1 DIN 76060 (From the vehicle's side)
- support wheels (set)
- skids (set)
- snow deflector
- markers (set)

Only PSV Up H:

Own hydraulic unit + oil pump + control panel STANDARD UP H (24 V) - only in PSV UP H

TABLE OF CHARACTERISTICS AND ADDITIONAL EQUIPMENT

SNOW PLOWS - Alps

Plow type	AlpS 271	AlpS 301	AlpS 331	AlpS 361	AlpS 401
Working width max / min [ft]	8'10" / 8'	9'10" / 8'10"	10'9" / 9'8"	11'11" / 10'6"	13'1" / 11'8"
Moldboard height [ft]	3'3" / 3'6"	3'3" / 3'7"	3'3" / 3'8"	3'3" / 3'6"	3'3" / 3'9"
Working angle right / left	up to 30°				
Number of the clearing bars (pcs)	2 x 2				2 x 3
Dimensions: l / w / h [ft]	4'2" / 8'10" / 3'10"	4'5" / 10'4" / 3'8"	4'5" / 11'3" / 3'9"	4'5" / 12'3" / 4'	4'5" / 13'7" / 4'
Number of hydraulic connectors	2 (1 pair)				
Weight [lbs]	1466	1609	1763	1906	1984

Standard EQUIPMENT

- 2 independent shields
 - Stepless hydraulic adjustment of the shield
 - Trip clearing edges
 - hydraulic overload protection from 361 type
 - Clearing edge at choice
- Ground following (only with SaMASZ frame)
 - Electric connection 12 V (lighter socket)
 - LED lights 12 V or 24 V
 - Support stand
 - Curb guards
 - E-coat + powder coating

Optional EQUIPMENT

- rubber edge 50 mm / 1^{31/32}
 - steel edge 12/20 mm / ¹⁵/₃₂ / ²⁵/₃₂
 - polyurethane edge 50 mm / 1^{31/32}
 - KOMBI edge 36 mm / 1²⁷/₆₄
 - rubber - corundum edge 36 mm / 1²⁷/₆₄
 - frame type I or II
 - adapter for triangle
- hydraulic overload protection
 - multifunctional steering panel / Plus
 - support wheels (set)
 - skids (set)
 - snow deflector
 - markers (set)

TRUCK SNOW PLOWS - Seria AlpS Up and AlpS Up H

Plow type	AlpS 271 Up	AlpS 301 Up	AlpS 331 Up	AlpS 271 Up H	AlpS 301 Up H	AlpS 331 Up H
Working width max / min [ft]	8'10" / 8'	9'10" / 8'10"	10'9" / 9'8"	8'10" / 8'	9'10" / 8'10"	10'9" / 9'8"
Moldboard height center / side [ft]	3'4" / 3'7"	3'2" / 3'7"	3'2" / 3'8"	3'4" / 3'7"	3'2" / 3'7"	3'2" / 3'8"
Number of the clearing bars (pcs)	2 x 2					
Protection	Trip edges (8 springs) + hydraulic overload protection					
Working angle right / left	up to 30°					
Number of hydraulic connectors	4 (2 pairs)					
Dimensions: l / w / h [ft]	4'2" / 8'10" / 3'10	4'5" / 10'4" / 3'8"	4'5" / 11'3" / 3'9"	4'2" / 8'10" / 3'10	4'5" / 10'4" / 3'8"	4'5" / 11'3" / 3'9"
Weight [kg /lbs]	1796	1940	1984	1918	2061	2116

SNOW PLOWS - JUMP

Plow type	JUMP 280	JUMP 320
Working width max / min [ft]	9'2" / 6'6"	10'6" / 7'5"
Moldboard height center / side [ft]	4' / 3'6"	
Number of the clearing bars (pcs)	3	
Protection	Trip clearing edges (6 springs) + sheared bolts on mounting frame and hydraulic overload protection	
Working angle right / left	up to 45°	
Number of hydraulic connectors	2 (1 pair)	
Dimensions: l / w / h [ft]	5'5" / 9'6" / 4'2"	5'5" / 10'10" / 4'2"
Weight [lbs]	1168	1366

Standard EQUIPMENT

- Polyethylene shield joint with 3 - section steel clearing edges
 - Stepless hydraulic adjustment of the shield
 - Exceptional spring protection
 - clearing edge at choice
 - Snow deflector
- Electric connection 12 V (lighter socket)
 - LED lights 12 V / 24 V
 - support stand
 - curb guards
 - E-coat + powder coating

Optional EQUIPMENT

- rubber edge 50 mm / 1³¹/₃₂
- steel edge 12/20 mm / ¹⁵/₃₂ / ²⁵/₃₂
- polyurethane edge 50 mm / 1³¹/₃₂
- KOMBI edge 36 mm / 1²⁷/₆₄
- rubber - corundum edge 50 mm / 1³¹/₃₂
- Support wheels (cpl.)
- Sliding skids (cpl.)
- Protection against snow throwing
- Safety flags

TABLE OF CHARACTERISTICS AND ADDITIONAL EQUIPMENT

SNOW PLOWS - OLIMP

Plow type	OLIMP 300	OLIMP 330	OLIMP 300 Up H	OLIMP 300 Up H
Working width max / min [ft]	8'7" / 9'10"	9'6" / 10'9"	8'7" / 9'10"	8'7" / 9'10"
Moldboard height [ft]	3'10" / 4'3"	3'10" / 4'3"	3'10" / 4'3"	3'10" / 4'3"
Needed hydraulic connectors	2 x 2			
Dimensions: l / w / h [ft]	4'5" / 10'4" / 4'7"	4'5" / 11'3" / 4'7"	4'5" / 10'4" / 4'7"	4'5" / 10'4" / 4'7"
Working angle right / left	up to 30°			
Attachment	-		Municipal plate EN 15432 F1 + F2 (DIN 76060 - A + B)	
Weight [lbs]	1984	2039	1050	1105

Standard EQUIPMENT

- 2 independent shields
 - Stepless hydraulic adjustment of the shield
 - Trip clearing edges
 - Hydraulic overload protection
 - 3 - point linkage hitch Cat. II
 - Clearing edge at choice
 - Ground following
- (only with SaMASZ frame)
 - Electric connection 12 V (lighter socket)
 - LED lights 12 V or 24 V
 - Snow deflector
 - Support stand
 - Curb guard
 - E-coat + powder coating

Optional EQUIPMENT

- rubber edge 50 mm / 1³¹/₃₂
 - steel edge 12/20 mm / ¹⁵/₃₂ / ²⁵/₃₂
 - polyurethane edge 50 mm / 1³¹/₃₂
 - KOMBI edge 36 mm / 1²⁷/₆₄
 - rubber - corundum edge 50 mm / 1³¹/₃₂
 - frame type I or II
 - fixed hitch
- support wheels (set)
 - skids (set)
 - markers (set)

Only OLIMP Up:

oil pump + control panel STANDARD UP H (24 V) - only in PSV UP H

Only OLIMP Up H:

Own hydraulic unit

SNOW BLOWER - TORNADO

Plow type	TORNADO 202	TORNADO 202 HYDRO	TORNADO 252	TORNADO 252 HYDRO
Working width [ft]	6'6"	6'6"	8'2"	8'2"
Working height [ft]			2'11"	
Working speed [km/h]			up to 3	
RPM	540 / 1000	-	540 / 1000	-
Tractor's power [HP]	from 80		from 90	
Snow blowing direction			up to 360°	
Distance of throwing [m]			up to 33	
Dimensions [ft] L / W / H	4'7" / 6'8" / 6'10"	4'7" / 6'8" / 6'10"	4'7" / 8'3" / 6'10"	4'7" / 8'3" / 6'10"
Weight [lbs]	1499	1653	1587	1741

Standard EQUIPMENT

- Hydraulic adjustment of blowing tube and blowing distance
 - Steered clearing edge with perforated part
 - 3 - point linkage hitch Cat. II
- Built - in overload clutch
 - Adjusted to left and right rotation of PTO
 - PTO shaft

Optional EQUIPMENT

- Extention of blowing tube

TABLE OF CHARACTERISTICS AND ADDITIONAL EQUIPMENT

SWEEPERS - MOP

Type	MOP 120	MOP 140	MOP 160	MOP 200
Working width [ft]	3'11"	4'7"	5'3"	6'6"
Brush RPM	4'7" - 5'3"			
Brush diameter [ft]	1'12"			
Working speed [mp / h]	up to 6			
Litter container's capacity [ft³]	2.5	3.1	4.6	6
Dimensions: l / w / h [ft]	5'11" / 4'9" / 3'7"	5'11" / 5'5" / 3'7"	5'11" / 6' / 3'7"	5'11" / 7'4" / 3'7"
Weight [lbs]	573	606	639	705

- Optional EQUIPMENT
- hydraulic, bin discharge
 - side brush
 - sprayers to reduce the dust
 - extended headstock for side brush version

SAND SPREADER - SAHARA

Type	SAHARA 140	SAHARA 200	SAHARA 240
Working width [ft]	4'7"	6'6"	7'10"
Transport width [ft]	5'4"	7'4"	8'7"
Tractor's power [HP]	from 50	from 80	from 120
Attachment	3-point linkage cat. II		
Oil demand [GPM]	2.6 - 10.6		
Oil pressure [PSI]	2321		
Capacity [m³]	17.7	49.4	56.5
Dimensions [cm] L / W / H	2'11" / 5'4" / 3'5"	4'3" / 7'4" / 4'3"	4'3" / 8'7" / 4'3"
Weight / Weight with sand [lbs]	606 / up to 2 369	1 366 / up to 6 393	1 543 / up to 7 716

- Standard EQUIPMENT
- Hydraulic drive
 - Dosing adjustment
- Quick unloading
 - Drive from truck's hydraulics

SAND SPREADER - SAND

Type	SAND 400	SAND 600
Operating width [ft]	up to 9'10"	up to 9'10"
Attachment	3-point linkage cat. II	
Capacity [ft³]	11.3	14.1
Max. working speed [mp/h]	6	
Max. transport speed [mp/h]	16	
Dimensions: l / w / h [ft]	2'11" / 4'9" / 4'2"	4' / 4'9" / 4'3"
Weight / Weight with sand [lbs]	232 / up to 1 102	287 / up to 1 610

- Standard EQUIPMENT
- Spreading adjustment
- Optional EQUIPMENT
- Hydraulically adjusted gate
 - Hydraulic drive

TABLE OF CHARACTERISTICS AND ADDITIONAL EQUIPMENT

SAND SPREADER - GOBI

Type	GOBI 140	GOBI 140 H
Working width [ft]	4'7"	4'7"
Transport width [ft]	5'1"	5'1"
Tractor's power [HP]	from 50	
Mounting type	lower links of 3-point linkage cat. II	
Capacity [ft³]	53	
Dimensions L / W / H [ft]	5'10" / 5'10" / 3'2"	8'8" / 5'1" / 5'
Weight / Weight with sand [lbs]	1 212 / up to 6 613	1 322 / up to 6 724

- Standard EQUIPMENT
- Hydraulically adjusted bar (Gobi 140 H)
- Spreading adjustment
 - Fast unloading

- Optional EQUIPMENT
- Road lights

SAND SPREADER - SPARGO

Type	SPARGO 100
Working width [ft]	3'3"
Transport width [ft]	3'10"
Tractor's power [HP]	from 15
Attachment	Drawbar
Capacity [ft³]	53
Dimensions L / W / H [ft]	5'10" / 5'10" / 3'2"
Weight / Weight with sand [lbs]	407 / up to 1 873

- Standard EQUIPMENT
- Hydraulically adjusted bar (Gobi 140 H)
- Spreading adjustment
 - Fast unloading

- Optional EQUIPMENT
- Road lights

PROFESSIONAL SAND SPREADER - VORTEX

Type	Vortex 600	Vortex 600 E
Working width [ft]	4'11" - 26'2"	
Steering	mechanical	electrical
Attachment	3-point linkage cat. II	
Power demand [GP]	from 60	
Working speed [mp/h]	up to 9	
Transport speed [mp/h]	up to 19	
Dimensions: L / W / H [ft]	3'5" / 4'1" / 4'2"	
Weight [lbs]	529	

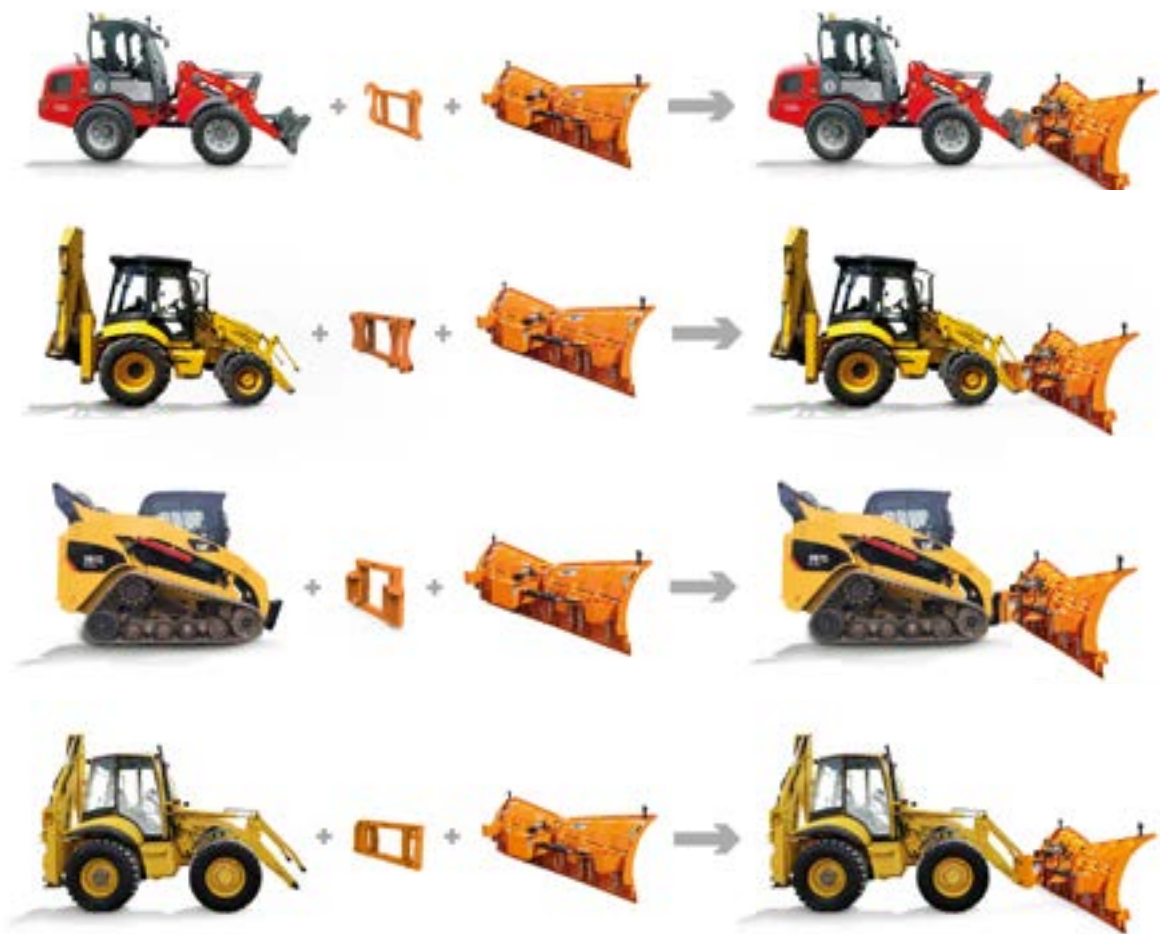
- Standard EQUIPMENT
- PTO shaft
 - Safety bar
 - Safety cover (curtain)
- Spreading adjustment
 - Inspection window
 - Powder painting

- Optional EQUIPMENT
- Hydraulic drive
 - Additional top section 400 L (pc)
 - Spreading depended on speed of operation (GPS) - only with E version
 - Warning triangle

HITCH FRAMES - PSV, RAM, JUMP



Examples of plow mounting with different frame and adapter carriers



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

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

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

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

Advantages:

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

Selected SaMASZ machines



drum mowers



rotary rakes



extension arms



rotary tedders



flail mowers





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

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

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

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

Your dealer:



Production is currently carried out in Zabłudów (Podlaskie Voivodeship), in a new factory, launched in 2018, employing over 1000 people. SaMASZ dynamically develops export sales. About 65% of the company's production goes to over 60 countries around the world. The company's foreign branches are: SaMASZ North America and SaMASZ UK. The TOP 10 largest foreign markets are Germany, the United States, Canada, France, Ireland, Italy, Latvia, the Netherlands, Spain, Australia. Machines with the SaMASZ logo work on the meadows of Africa and South America. China, Japan, Australia and New Zealand.

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



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

FKAT-WOZ-002



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