



PNEUSEJ Optimus seeding machine

The powerful – effective - flexible drawn seeding machine is designed according to farmers' requirements for increasing areal performance with low energetic demands. A drawn hopper with a 4,600 l capacity coupled with a hydraulically folded beam of DD coulters with 6-8 m working width is the key version of PNEUSEJ Optimus. The second version available, with 6 m working width, is equipped for fertilizing and the hopper is divided into two parts with 2,400 litres for seeds and 2,200 litres for fertilizer. Fertilizing is performed via a Fert fertilizer applicator mounted on the DD sowing unit along with a press wheel. The third version serves as a drawn hopper of fertilizer with a capacity of 4,600 litres for seeding machines for precise seeding in 6-8-12 rows.



PNEUSEJ MT seeding machine

Big hopper capacity is 2 x 1,150l and working width is 6m. Semi-supported seeding machine attachable to the tractor by three point suspension. When being transported, the machine is serially equipped with a device for the lengthwise drive.



Suffolk coulters



Disc coulters



DXD coulters
Press wheels



Press wheel
with fertilizer supply



Drillmat electronic



Drill-control electronic



Beam of S-harrowing spring



Pre-emergency markers

Technical parameters	M, Msh*			PLUMA		MKC/MKC Magna			MT		MW			FT1		Optimus	
	3	4	4,5	2,5	3	3	4	4,5	6	5	6	6,6	8	3	4	6	8
Working width (m)	3	4	4,5	2,5	3	3	4	4,5	6	5	6	6,6	8	3	4	6	8
Number of lines / line width (cm)	24/12,5 28/14,3 20/15	24/16,7 28/14,3 32/12,5	28/16 32/14 36/12,5	20/12,5	20/15 24/12,5	20/15 24/12,5	24/16,7 28/14,3 32/12,5	28/16 32/14 36/12,5	40/15 48/12,5	36/13,8 40/12,5	40/15 48/12,5	48/13,8 64/12,5	56/14 64/12,5	20/15 24/12,5	24/16,7 28/14,3 32/12,5	48/12,8 40/15	64/12,5
Hopper capacity (l)	1150	1150	1150	850	850	1150 / 1600	1150 / 1600	1150 / 1600	2x1150	2000	2000	2000	2000	1100 + 600	1100 + 600	4800	5400
Min. weight without seeds (kg)	600	660/730*	720/800*	595	619	750	830	890	1080	1500	1570	1755	1820	1100 + 600	1100 + 600	4600	5400
Power requirements (HP)	60	80	90	110	120	120	160	180	100	160	160	160	160	110	150	120	160
Performance (ha/h)	1,5-3,6	2-4,8	2,3-5,5	1,25-3	1,5-3,6	1,5-3,6	2-4,8	2,3-5,5	3-7,2	2,5-6,1	3-7,2	3-8,1	4-9,06	1,5-3,6	2-4,8	3-7,2	4-9,6
Transport speed	5 - 12 km/h																

PNEUSEJ RS tine seeding machine

PNEUSEJ presents the RS tine seeding machine for simpler sowing in heavy or stony conditions with a high operating speed of 12 to 15 km/h. The machine with four operating zones:

- leveling bar
- tines
- following harrows
- press wheels

RS tine seeding machine is produced as carrier-mounted and hydraulically foldable to a transport width of 3m with the frame divided in two parts. The arrangement of tines in 5 rows helps to achieve maximum passability in conditions with a high amount of plant remains and even helps with surface levelling. The machine design and close placement of the hopper to the tractor result in the need for tractive force of 4HP per tine.



Working width	4	4,8	5	5,6	6
Number of lines	32/26	38/32	40/32	40	48/40
Width of lines	12,5/15	12,5/15	12,5/15	14	12,5/15
Hopper capacity	standardly 1500 litres (extension + 500 litres)				
Performance (ha/h)	2-4,8	2,4-5,8	2,5-6,1	2,8-6,7	3-7,1
Weight of machine (kg)	1760/1715	2000/1945	2035/1970	2100	2190/2144



Number of wheels (pcs)	6	8	8	10	12
Working width (mm)	3000	2420	3000	3000	3580
Total width (mm)	3000	2420	3000	3000	3580
Total length (mm)	1230	1230	1230	1230	1230
Weight (kg)	2400	3100	3100	3800	4500

UK compaction equipment of fodder plants

- even compaction of the whole area of silage pit including edges
- better compaction of silage fodder plants thanks to the high weight of the compaction equipment removal of air cushion formation, better fermentation without air input
- better qualitative parameters of silage fodder plants
- more continuous process of silaging



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Soil preparation and seeding



Pneusej pneumatic seeding machines

ACCORD central dosing is the heart of the complete system. It enables an ultimately precise dosing for sowing in the range of 1–380kg per hectare. Seeding machines Pneusej can be used not only for sowing densely-sown cereals (wheat, rye, barley, oat), but also for sowing legumes and oil-bearing plants (pea, bean, vetch, maize, soya, rapeseed, clover etc.) and too sowing grass with the dimensions of grains from 1mm to 10mm.



PNEUSEJ M seeding machine

With its design, this machine is intended for small and mediumsized areas. The placement of the gravitational centre near the tractor reduces requirements for the performance of drawing means. The machine can be easily connected directly to the tractor or the soil preparation machine by quick coupling, whereby it is semi-mounted on its own wheels in operating position. Standardly mechanical drive of ventilator at 1,000 RPM. Hopper has a 1,150 l capacity. The PNEUSEJ M seeding machine is equipped with rigid beam of sowing coulters in working widths 3m -4m -4,5m.



PNEUSEJ MSH seeding machine

With its design, this machine is identical with the model Pneusej M. The main advantage is the hydraulic folding beam of sowing coulters to a transport width of 3m. Standardly mechanical drive of ventilator at 1,000 RPM. Hopper has a 1,150 l capacity. The PNEUSEJ MSH seeding machine is produced in working widths 4m - 4,5m.



PNEUSEJ MV seeding machine

Hydraulic folding to a transport width of 3m is the main advantage of this machine, so it is suitable besides single seeding also for aggregation with soil preparation machines. Working width is 5-6-6,6-8m. Hopper has a 2,000l capacity. The seeding machine itself is directly aggregated to the tractor. Mechanic or hydraulic ventilator drive. Big tyres are 31x15.5-15.



PNEUSEJ PLUMA seeding machine

This light machine is designed for attachment onto active and passive soil preparation machines. Aggregation is performed by means of A-frame. Working width of 2,5m and 3m. Central mechanical pressing of sowing coulters. Hopper capacity is 850l. Possibility of single sowing by using universal chassis.

PNEUSEJ MKC - Magna seeding machine

The MKC - magna seeding machine is designed for attachment onto active and passive soil preparation machines. Aggregation is performed by means of A-frame. By using universal chassis is possible the single seeding. Compared to the MK machine, the hopper is installed closer to the tractor by 50cm. Coulters are mounted on the profile by new construction brackets. The hopper has a capacity of 1,600 litres. Working width is 3 - 4 - 4.5m.

PNEUSEJ FT1

Is a combination of a front-mounted hopper for seeds with a 1,100 l capacity and sowing coulters attached to the rear. The seeding machine can be combined with various machines for soil preparation. The essential advantage of this machine is the even distribution of weight on the tractor, thus reducing the need for the performance by 20%.

Front hopper FT Fert

Is a machine which in combination with seeding machine PNEUSEJ provides the sowing of seed along with dosing of fertilizer in the same line. Front hopper FT Fert consists of a front-mounted hopper for fertilizer, distribution head attached to the rear part and special entries for fertilizer. FT Fert doses the fertilizer, which is delivered to the distributor attached in rear part. It is then placed through a special fertilizer supply on press wheel to the seedlinglines.



PNEUSEJ MKC seeding machine

The MKC seeding machine is designed for attachment onto active and passive soil preparation machines. Aggregation is performed by means of A-frame. Hopper is installed closer to the tractor by 50cm compared to the MK machine. Working width is 3 - 4 - 4.5m. Hopper capacity is 1,150l. Universal chassis for single sowing for extra charge.



PNEUSEJ PPK rotary harrow

It presents the category of light rotary harrow for tractors to 140 HP

- multi-speed gearbox for 540 RPM
- 3-point suspension of II. category
- levelling bar adjustable by spindle
- rear roller adjustable by pins
- swimming lower linkages
- working depth 25 cm
- movable side plates
- working width 2,5 - 3 m
- rear roller packer, cage, spike



PNEUSEJ PSK rotary harrow

- maximum 200 HP
- multi-speed gearbox for 1,000 RPM
- 3-point suspension of II. category
- levelling bar adjustable by spindle
- rear roller adjustable by pins
- swimming lower linkages
- blades 15x320
- working depth 28 cm
- movable side plates
- working width 3 - 4 - 4,5 m
- rear roller packer, cage, spike



PNEUSEJ PSH - hydraulic folding version

- maximum 350 HP
- multi-speed gearbox for 1,000 RPM
- levelling bar adjustable by spindle
- rear roller adjustable by pins
- swimming lower linkages
- blades 15x320
- working depth 28 cm
- movable side plates
- central PTO shaft with cam auto reset
- side PTO shafts with shear bolt
- working width 4-5-6m
- rear roller packer, cage, spike



PKA passive tiller

It is a cost-effective alternative to rotary harrow for combined soil preparation up to a depth of 12cm. PKA can be combined with all Pneusej seeding machines. Working width is 3 and 4m. The machine is equipped with height-adjustable levelling bar, followed by three rows of tines and optional rear roller (cage, spike, croskill and packer).