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The potato planters researched and produced by Shandong Transce Agricultural Machinery Technology Co., Ltd. feature high complexity, high accuracy, high adaptation and other advanced characteristics, and are able to complete a series of operations at one time, such as ditching, planting, ridging, fertilization and spraying. The Company adopts advanced vibration and tensioning seeding unit technology, with a low seed leakage rate and repeated seeding rate and a high seeding accuracy for those planters. In the meantime, it uses precise planting unit and accurate control planting depth technologies to increase the adaptation of products. Each performance index and quality index passes the verification by Shandong Provincial agricultural machinery test and verification and various products meet relevant quality standards and obtain an agricultural machinery promotion and verification certificate. The new model of potato planters are used to greatly facilitate the planting and production of potatoes, reduce labor strength, increase productivity ratio, and decrease production cost with its comprehensive benefit enhanced obviously.

### 2CM-4B Four-row Potato Planter



No.	Item	Unit	Parameter Index
1	Structural style	/	Pull-type
2	Overall dimension (length × width × height)	mm	5670 × 3950 × 2170
3	Machine quality	kg	3695
4	Supporting power	kW	73.5-132.5
5	Applicable row spacing	mm	900
6	Working row (ridge) number	/	4 ridges and 4 rows
7	Working width	mm	3600
8	Seed case volume	L	4000
9	Fertilizer case volume	L	1000
10	Rated capacity of medicine chest	L	700

### 2CMX-4B Four-row Potato Planter



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	1810 × 3890 × 2710
3	Machine quality	kg	1400
4	Supporting power	kW	92-132.3
5	Applicable row spacing	mm	900
6	Working row (ridge) number	/	4 ridges and 4 rows
7	Working width	mm	3600
8	Seed case volume	L	2000
9	Fertilizer case volume	L	700 (Optional)
10	Rated capacity of medicine chest	L	350 (Optional)

### 2CMX-2B Two-row Potato Planter



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2384 × 1990 × 1840
3	Machine quality	kg	1020
4	Supporting power	kW	≥45
5	Applicable row spacing	mm	900
6	Working row (ridge) number	/	2 ridges and 2 rows
7	Working width	mm	1800
8	Seed case volume	L	1000
9	Fertilizer case volume	L	300
10	Rated capacity of medicine chest	L	350

### 2CM-1/2 Potato Film Covering Planter



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2600 × 1400 × 1650
3	Machine quality	kg	460
4	Supporting power	kW	30-45
5	Applicable row spacing	mm	270-350
6	Working row number	行	1 ridges and 2 rows
7	Working width	mm	850-1200
8	Range of mulch film width	mm	800-1000
9	Seed case volume	L	140
10	Fertilizer case volume	L	70



## FERTILIZER SPREADER

### 1TF-2500-36 Fertilizer Spreader

No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	1400 × 2390 × 1260
3	Machine quality	kg	410
4	Stub bar volume	L	2500
5	Effective load	kg	2500
6	Fertilization distributing width	mm	1000-3600

## POTATO INTERTILLAGE AND RIDGING FERTILIZER DRILL



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The potato intertillage and ridging fertilizer drill is used in the agricultural machinery of potato intertillage and ridging to complete the operation of scarification, weeding, ridging, and topdressing, and increase ground temperature and soil moisture conservation. A new model of plough body hook face structure is adopted for the cultivator plough body, very suitable for the ridging operation in a north cold area, especially for the intertillage operation applicable to stem crops. The section of ridging body is small on the above, large at the bottom and bulge externally at the middle part, with a smooth and order ridging body and a strengthened ability to store tubers in a single ridging. The ridging body features drought resisting, soil moisture conservation, heat preservation and production increase. In the plough wall, a special plough body hook face is designed, to make the thrust face of plough body more reasonable, the operation resistance smaller, the width of plough sides at both sides adjustable, and the dimension of plough body controllable. An adductent type is adopted as the bottom of the plough wall of the plough body, to prevent middle tubers from being damaged during the operation of intertillage. At the same time, the ridging body is covered closely to keep such tubers under the ground and make for the production and development of tubers.

### 3ZMP-360 Potato Intertillage and Ridging Fertilizer Drill



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2370 × 3720 × 1530
3	Machine quality	kg	1020
4	Supporting power	kW	92-132.3
5	Applicable row (ridge) spacing	mm	900
6	Operation width	mm	3600

### 3ZMP-110B/3ZMP-110 Potato Soil Digging Machine



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	1370 × 1810 × 970 (110) 1310 × 1860 × 1230 (110B)
3	Machine quality	kg	360
4	Supporting power	kW	≥35
5	Working row (ridge) number	/	Single ridge and double rows
6	Production rate	Mu/hour	3-5

## BOOM SPRAYER



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### 3WP-1200 Boom Sprayer

No.	Item	Unit	Parameter Index	
1	Structural style	/	Trifilar suspension type	
2	Overall dimension (length × width × height)	Folding state	mm	2150 × 2370 × 2900
		Spray bar expansion length	mm	20800
3	Net weight of the whole machine	kg	1160	
4	Supporting power	kW	73.5-132.3	
5	Working pressure of spraying system	mpa	0.2-0.5	
6	Rated capacity of medicine chest	L	1200	



## POTATO HAULM CUTTER

### 4JM-360B Potato Haulm Cutter



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2790 × 3988 × 1200
3	Machine quality	kg	1180
4	Supporting power	kW	73.5-132.3
5	Operation width	mm	3600

The potato haulm cutter is used to cut seedlings before the harvest of potatoes, and able to complete the cutting, sorting and shunting operation of seedlings at one time. Also, seedling are cut to return to fields for the purpose of increasing the organic contents of soils. The machine is in a trifilar suspension type and can be hung in the front of tractor to operate when a harvest is carried out. At the back of the machine, a potato harvester is used for harvest, to effectively reduce the frequency of field entering by a tractor and increase operation efficiency. In addition, it can also be hung at the rear of tractor to operate independently, for the convenience of adjusting ridge spacing. The positions of long and short cutter in different ridge spacing are mainly adjusted by virtue of moving the positions of cutter and top bushing, effectively enlarge the adjustment scope of ridge spacing.

### 4JM-360 Potato Haulm Cutter

No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2492 × 4226 × 1160
3	Machine quality	kg	1050
4	Supporting power	kW	73.5-132.3
5	Operation width	mm	3600
6	Stubble height	mm	≤100



## POTATO HARVESTER



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The potato harvester is designed and manufactured with the patent technology of proprietary intellectual property rights. A digger blade with adjustable row spacing, potato and soil separation mechanism, potato seedling separation mechanism, and potato tuber collection and laying device are added to separate potato and soil, and potato seedlings, collect and lay potato tuber, increase the obvious rate of potatoes, greatly decrease the damage rate of potatoes and obviously enhance production rate. It integrates potato and soil separation technology; potato seedling separation technology; digging depth control technology; collecting, cleaning, skin breaking comprehensive control technology; a combination of mechanical and electrical hydraulic technology; It developed the harvester integrating gulying, digging, conveying and separation, stem and vine separation and collection and laying. The potato harvester is in a novel structure, connected firmly, convenient for dismounting,

4UQ-165 Potato Harvester



No.	Item	Unit	Parameter Index
1	Structural style	/	Pull-type
2	Overall dimension (length × width × height)	mm	5980 × 2590 × 1710
3	Machine quality	kg	2320
4	Supporting power	kW	92-118
5	Working row (ridge) number	/	2
6	Operation width	mm	1650
7	Applicable ridge width	mm	≤700
8	Excavation depth	mm	≤300

4UX-170.0 Potato Harvester



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	4120 × 2480 × 1380
3	Machine quality	kg	1625
4	Supporting power	kW	92-118
5	Working row (ridge) number	/	2
6	Operation width	mm	1700
7	Applicable ridge width	mm	≤700
8	Excavation depth	mm	150-300

4UX-165 Potato Harvester



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	4046 × 2090 × 1300
3	Machine quality	kg	1580
4	Supporting power	kW	92-118
5	Working row (ridge) number	/	2
6	Operation width	mm	1650
7	Applicable ridge width	mm	≤700
8	Excavation depth	mm	150-300

4UX-170.1 Potato Harvester



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	3700 × 1942 × 1330
3	Machine quality	kg	1470
4	Supporting power	kW	92-118
5	Working row (ridge) number	/	2
6	Operation width	mm	1700
7	Applicable ridge width	mm	≤700

4UX-80/100/120 Potato Harvester



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2075 × 1200 × 1290
3	Machine quality	kg	230
4	Supporting power	kW	22.0-29.4
5	Working row (ridge) number	/	1
6	Operation width	mm	800
7	Applicable ridge width	mm	≤800
8	Excavation depth	mm	150-300

4UX-100 Potato Harvester

No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2070 × 1440 × 1350
3	Machine quality	kg	322
4	Supporting power	kW	22.0-29.4
5	Working row (ridge) number	/	1
6	Operation width	mm	1000
7	Applicable ridge width	mm	≤1000

4UX-120 Potato Harvester

No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	2548 × 1480 × 1193
3	Machine quality	kg	558
4	Supporting power	kW	≥50
5	Working row (ridge) number	/	1
6	Operation width	mm	1200
7	Applicable ridge width	mm	≤1200

## FIELD SEPARATION LINE

Transce researched and developed a series of potato field separation and cleaning machineries - field separation line based on the current situation of potato field separation in China. Also, the Company applied for 2 items of national patents for invention, namely, "potato cleaning conveyor cleaning device" and "potato cleaning conveyor separation device". The cleaning and separation devices of the project can be connected with the fixed part and movable part of rack with an expansion bracket. Therefore, it is convenient to adjust the gap between each cleaning and separation rollers so as to meet different potato cleaning and separation requirements.

5SY-8 Potato Delivery and Transport Vehicles



No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	1440 × 2240 × 2270
2	Machine quality	kg	2830
3	Supporting power	kW	≥100
4	Load capacity	kg	8000
5	The maximum transmission ability	kg/h	8000

5SG-40 Potato Loading Conveyor



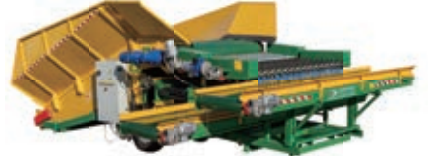
No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	12890 × 2270 × 3000
2	Machine quality	kg	1666
3	Maximum processing capacity	t/h	40
4	Maximum height	mm	6700
5	Damage rate	%	≤1
6	Motor power	kW	1,22.4

5SZ-40 Potato Delivery Machine



No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	6700 × 1270 × 1525
2	Machine quality	kg	1660
3	Maximum processing capacity	t/h	40
4	Damage rate	%	≤1
5	Maximum radius of gyration	mm	10000
6	Minimum radius of gyration	mm	6000

5XF-60 Potato Scanning Conveyor



No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	7570 × 4600 × 2500
2	Machine quality	kg	6450
3	Maximum processing capacity	t/h	filled/30, (warehouse)60
4	Soil cleaning rate	%	≥95
5	Separation accuracy rate	%	≥90
6	Damage rate	%	≤1
7	Separation grade	/	3 (Grade)

5SD-40 Potato Storing Machine



No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	9492 × 2440 × 1500
2	Machine quality	kg	3705
3	Maximum processing capacity	t/h	40
4	Maximum length	mm	14440
5	Maximum height	mm	8000
6	Damage rate	%	≤1
7	Motor power	kW	1,2/2.4
8	Maximum radius of gyration	mm	12720
9	Minimum radius of gyration	mm	17712

5S1-40 Single-deck Potato Conveyor



No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	8060 × 978 × 1500
2	Machine quality	kg	703
3	Maximum processing capacity	t/h	40
4	Damage rate	%	≤1
5	Motor power	kW	0.75

5S2-40 Double-deck Potato Conveyor



No.	Item	Unit	Parameter Index
1	Overall dimension (length × width × height)	mm	9770 × 980 × 1700
2	Machine quality	kg	1680
3	Maximum processing capacity	t/h	40
4	Maximum length	mm	15717
5	Maximum height	mm	1900
6	Maximum radius of gyration	mm	14853
7	Damage rate	%	≤1
8	Motor power	kW	0.75 (Two)

## PLOUGHING AND SOIL PREPARATION MACHINE



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The ploughing and soil preparation mechanization technology refers to the ploughing and soil preparation process of various machineries on farmlands so as to improve soil structures, recover soil fertilities, and promote the sprouting and growth of crops to seed. A good soil environment is created for seedling plantings and stable and increased agricultural yields. It is the most basic farmland operation mechanization technology and the important line during agricultural productions.

The ploughing operation includes soil aeration, soil loosening, weed burying, fertilization and so on. The soil preparation refers to the operation of raveling, leveling, suppressing, ditching, furrowing and ridging after a ploughing and before a seeding. The ploughing and soil preparation are carried out separately and multiple operations are pre cised with joint operation machines and tools. The ploughing and soil preparation machines and tools mainly include a turnplow, disc plough, subsoiler, cultivator, rotary cultivator, disc harrow, power target, joint soil preparation machine, roller and so on. Soil preparation technology and equipment play an important role in agricultural productions, so the ploughing and soil preparation machine around the world are continuously updated and developed.

1LF-450 Turnover Plow



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	4200 × 1720 × 1750
3	Machine quality	kg	1300
4	Supporting power	kW	65-95
5	Operation width	mm	1320,1520,1760,2000
6	Deep scarification depth	mm	250-350

1LF-550 Turnover Plow



No.	Item	Unit	Parameter Index
1	Structural style	/	Trifilar suspension type
2	Overall dimension (length × width × height)	mm	5450 × 1840 × 1870
3	Machine quality	kg	1860
4	Supporting power	kW	115-150
5	Operation width	mm	1650, 1900, 2200, 2500
6	Deep scarification depth	mm	300-400

Rotary Cultivator



No.	Item	Unit	1G-2500	1G-300
1	Overall dimension (length × width × height)	mm	2785 × 920 × 1280	3280 × 990 × 1280
2	Machine quality	kg	800	1000
3	Supporting power	kW	58-73.5	73.5-88
4	Working width	mm	2500	3000
5	Tilling depth	mm	80-210	80-210
6	Rotary blade quantity	Piece	30 pieces in each side	36 pieces in each side
7	Cardan rotating speed	rpm		540
8	Cutter shaft rotating speed	rpm	141/266	143/262

4003 Power-driven Harrow



No.	Item	Unit	Parameter Index
1	Operation width	mm	4000
2	Gear case	/	Double speed
3	PTO shaft rotating speed	rpm	1000/750/540
4	Supporting power	kW	≥116
5	Actuating gear	/	Safety clutch of cam