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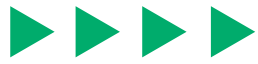
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耕整地机械

耕整地机械化技术是指使用各种机械对农田进行耕地和整地的作业过程，以改善土壤结构，恢复土壤肥力，促进作物萌芽生长，为农作物播种，秧苗栽植以及农业稳产增产创造良好的土壤环境条件。它是最基本的农田作业机械化技术，也是农业生产中的重要环节。

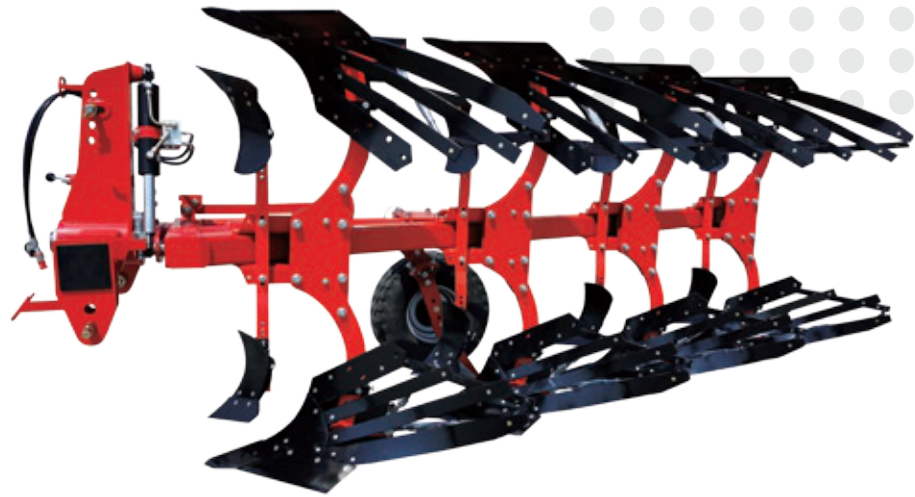
耕地作业包括翻土、松土、掩埋杂草等，整地作业是指耕后播前对表层土壤进行的松碎、平整、镇压、开沟、做畦、起垄等作业。耕整地可单项作业，也可使用联合作业机具精细多项作业。耕整地作业机具主要包括铧式犁、圆盘犁、深松机、耕耘机、旋耕机、圆盘耙、动力耙、联合整地机、镇压器等。由于耕整地技术及装备在农业生产中占有及其重要的地位，因此，世界各国的耕整地机械在不断更新发展。

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 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 preased 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-440/1LFT-450 Turnover Plow

1LF-440/1LFT-450 翻转犁



1LF-440 、1LFT-450液
压翻转犁适用于旋耕整地
作业

具有恢复土壤耕层结构、平
整地表、提高土壤蓄水保墒
能力的作用

液压翻转犁与拖拉机配套使
用，由双联分配器控制犁的
升降和犁的翻转，可实现双
向翻转，高效经济。

序 No.	项 Item	单位 Unit	1LF-440	1LFT-450
1	结构型式 Structural style	/	悬挂 Mounted	悬挂 MountedAmplitude modulation plough
2	总体尺寸 (长×宽×高) Overall dimension (length×width×height)	mm	4540×2020×790	4460×2440×740
3	整机质量 Machine weight	kg	1410	1440
4	配套功率 Supporting power	hp	140-220	160-260
5	翻转机构型式 Type of turnover mechanism	/	液压 Hydraulic	液压 Hydraulic
6	犁体宽度 The plough body width	mm	400	330-500
7	作业速度 Operating speed	Km/h	5-10	5-10
8	生产率 Productivity	hm ²	0.6-1.2	0.6-1.5
9	深轮调节范围 Limit the adjustment range of the deep wheel	mm	0-260	0-320
10	工作效率 Working efficiency	亩/时	≥0	≥2

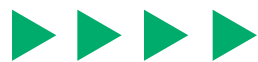
马铃薯全程机械化解决方案



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马铃薯全程机械化

希森天成所研发生产的马铃薯种植机具有高复合性、高精度、高适应性等先进特性，可一次性完成开沟、种植、起垄、施肥、喷药等一系列作业，采用先进的振动、张紧播种单元技术，漏种率、重种率低，播种精度高，采用精量种植单元与精确控制种植深度技术，提高产品的适应性，各项性能指标、质量指标等经过了山东省农业机械试验鉴定站的鉴定，产品符合相关质量标准，获得农业机械推广鉴定证书，该新型马铃薯种植机的使用给马铃薯种植生产带来极大便利，减轻了劳动强度，提高了劳动生产率，降低了生产成本，其综合效益显著提升。

The potato planters researched and produced by Transce 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-4 Potato Planter
2CM-4 马铃薯种植机



序号 No.	项目 Item	单位 Unit	参数 Parameter Index
1	结构 Structural style	/	类型 Trailed
2	总体尺寸 Overall dimension (lengthwidthheight)	mm	567039502170
3	重量 Machine weight	kg	3695
4	配套功率 Supporting power	hp	140-200
5	适用行距 Applicable row spacing	mm	900
6	作业行数 Working row (ridge) number	行	4
7	作业幅宽 Working width	mm	3600
8	种子箱容量 Volume of the seed bunker	L	4000
9	肥料箱容量 Volume of the fertilizer bunker	L	1000
10	药箱容量 Volume of the chemical bunker	L	700
11	作业效率 Working efficiency	亩/时	≥20

2CMX-4/2 Potato Planter
2CMX-4/2 马铃薯种植机



序 No.	项Item	单 Unit	2CMX-2	2CMX-4
1	结构型式Structural style	/	悬挂Mounted	
2	整机尺寸 (长×宽×高)Overall dimension (length×width×height)	mm	1835×2220×1820	1810×3890×1820
3	整机重量Machine weight	kg	760	1400
4	配套功率Supporting power	hp	60-125	125-180
5	适用行距Applicable row spacing	mm	750-900 (可调Adjustable)	900
6	作业行数 (垄)Working row (ridge) number	行	2	4
7	作业宽度Working width	mm	1500-1800	3600
8	种子箱容积Volume of the seed bunker	L	1000	2000
9	化肥箱容积Volume of the fertilizer bunker	L	300 (选配Optional)	700 (选配Optional)
10	药箱容积Volume of the chemical bunker	L	350 (选配Optional)	350 (选配Optional)
11	工作效率Working efficiency	亩/h	≥3	≥5

2CMX-4Q Potato Planter
2CMX-4Q 马铃薯种植机



序 No.	项Item	单 Unit	参数Parameter Index
1	结构型式Structural style	/	悬挂Mounted
2	整机尺寸 (长×宽×高)Overall dimension (length×width×height)	mm	3845×3201×355
3	整机重量Machine weight	kg	1721
4	配套功率Supporting power	hp	125-200
5	适用行距Applicable row spacing	mm	900
6	作业行数 (垄)Working row (ridge) number	行	4
7	作业宽度Working width	mm	140-450 (可调Adjustable)
8	种子箱容积Volume of the seed bunker	L	2200
9	化肥箱容积Volume of the fertilizer bunker	L	700 (选配Optional)
10	药箱容积Volume of the chemical bunker	L	350 (选配Optional)
11	工作效率Working efficiency	亩/h	≥2

2CMX-1/2 / 2CMXQ-2 Potato Planter
2CMX-1/2 / 2CMXQ-2 马铃薯种植机



▲ 2CMX-1/2



▲ 2CMXQ-2

序 No.	项 Item	单 Unit	2CMX-1/2	2CMXQ-2
1	结构型式 Structural style	/	悬挂 Mounted	
2	整机 Overall dimension (lengthwidthheight)	mm	2500*380*630	1420*915*686
3	重量 Machine weight	kg	460	573
4	配套 Supporting power	hp	35-60	50-80
5	垄距 Line spacing adjustment range	mm	270-350	750-900
6	作业行数 Working row (ridge) number	行	2	2
7	作业宽度 Working width	mm	1200	1800
8	种子箱容积 Volume of the seed bunker	L	140	670
9	化肥箱容积 Volume of the fertilizer bunker	L	70	225
10	药箱容积 Medicine box volume	L	70	100
11	作业效率 Working efficiency	亩/时	≥2.5	9

5ZB-5B Seed Mixer (Mix powder/medicine)
5ZB-5B 马铃薯拌种机 (拌粉/拌药)



▲ 粉



▲ 药



▲ 罐

序 No.	项 Item	单 Unit	粉 Mix power Mixer	药 Medicine Mixer
1	整机 Overall dimension (lengthwidthheight)	mm	2300*955*700	2300*472*375 1613*80*105
2	重量 Machine weight	kg	440	360+120
3	作业效率 Working efficiency	kg/h	4500	4500
4	药箱容积 Medicine box volume	L	/	350
5	功率 Power	kW	1.7	1.5
6	筒容积 Cylinder volume	L	1000	1000

5ZT Potato Seed Cutter
5ZT 马铃薯切种机



序 No.	项 Item	单 Unit	参数 Parameter Index
1	处理能力 Processing capacity	/	牵引移动式 Traction mobile
2	整机 Overall dimension (lengthwidthheight)	mm	9100*2285*2010
3	重量 Machine weight	kg	4365
4	种子提升和输送方式 Seed potato lifting and conveying type	/	齿形橡胶带 Toothed rubber belt
5	种子分级输送方式 Graded delivery type of seed potato	/	齿形爪耙 Toothed claw cots
6	种子排列和运输方式 Seed potato arrangement and transportation type	/	覆膜 Copying cots
7	纵向切刀类型 Longitudinal cutter type	/	切刀 Cutting disc
8	消毒方式 Disinfection type	/	定时泵喷雾 Fixed-time pump spraying
9	筛分和输送方式 of potato seeds Screening and conveying type of potato seeds	/	齿形爪耙 Toothed claw cots
10	纯作业时间生产率 Pure working time productivity	t/h	5

1TF-2500-36 Fertilizer Spreader
1TF-2500-36撒肥机



▲ 挂



▲ 拖

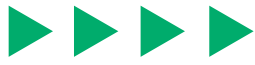
序号No.	项目Item	单位Unit	1TF-2500-36挂	1TF-2500-36拖
1	结构型式Structural style	/	挂Mounted	拖Trailed
2	整体尺寸(长×宽×高)Overall dimension (length×width×height)	mm	1400×390×260	2850×390×350
3	机器重量Machine weight	kg	410	920
4	肥料箱容积Volume of the fertilizer bunker	L	2500	2500
5	有效载荷Effective load	kg	2500	2500
6	施肥分布宽度Fertilization distributing width	m	36	36
7	配套功率Supporting power	hp	125-180	100-125
8	工作效率Working efficiency	亩/h	≥0	≥0

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马铃薯中耕培土施肥机

马铃薯中耕培土机是作为马铃薯田间管理机械的一种，可完成松土、除草、筑垄、追肥等作业，同时兼有提高地温、保墒作用。该中耕机犁体采用新型的犁体曲面结构，非常适合北方寒冷地区的起垄作业，尤其适合块茎类作物的中耕作业，垄体截面上小下大中间外鼓，垄体外形光滑整齐，单垄储存块茎能力增大，该垄体具有抗旱、保墒、保温、增产等效果。犁壁采用独特的犁体曲面设计，使犁体的受力面更合理，作业阻力更小，双侧犁壁宽窄可调，可控制垄体大小，该犁体的犁壁下部采用内收的形式，使得中耕作业过程中块茎不会被划伤，同时垄体覆盖严密，使块茎不易露出地面，对块茎的生长发育极为有利。

The potato ridge former 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 adducent 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-180/360 Potato Ridge Former
3ZMP-180/360 马铃薯中耕培土施肥机



序 No.	项Item	单 Unit	3ZMP-180	3ZMP-360
1	结构型式Structural style	/	悬挂Mounted	
2	总体尺寸 (长×宽×高)Overall dimension (length×width×height)	mm	2370×1920×1530	3270 x 3920 x 1650
3	整机质量Machine weight	kg	630	930
4	配套功率Supporting power	hp	60-120	125-180
5	适用行(垅)间距Applicable row (ridge) spacing	mm	900	900
6	作业行(垅)数Working row (ridge) number	垄	2	4
7	作业宽度Working width	mm	1800	3600
8	作业速度Operation speed	km/h	4-6	4-6
9	工作效率Work efficiency	亩/时	≥8	≥16
10	施肥箱容积Fertilizer box volume	L	315罐Optional)	630罐Optional)

3ZMP-360M/360C/360F Four-row Potato Cultivator
3ZMP-360M/360C/360F 四行马铃薯中耕培土机



▲ 3ZMP-360M



▲ 3ZMP-360F

序 No.	项Item	单 Unit	3ZMP-360M	3ZMP-360C	3ZMP-360F
1	结构型式Structural style	/	悬挂Mounted		
2	总体尺寸 (长×宽×高)Overall dimension (length×width×height)	mm	2590×2001×530	2250×1890×1463	2325×1010×750
3	整机质量Machine weight	kg	1350	2299	1900
4	配套功率Supporting power	hp	140-220	140-220	140-220
5	作业行(垅)数Working row (ridge) number	行	4	4	4
6	刀轴形式Cutter shaft form	/	通Through shaft	通Through shaft	轴Halfshaft
7	工作效率Work efficiency	亩/时	≥15	≥15	≥15
8	施肥箱容积Fertilizer box volume	L	/	/	470罐Optional)

3ZMP-110B/120/130 Potato Cultivator
3ZMP-110B/120/130 马铃薯中耕培土机

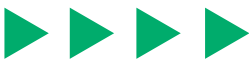


▲ 3ZMP-110B

▲ 3ZMP-130

序 No.	项 Item	单 Unit	3ZMP-110B	3ZMP-120	3ZMP-130
1	结构型式 structural style	/	悬挂 Mounted		
2	整机尺寸(长×宽×高) Overall dimension(length×width×height)	mm	1130×850×200	1130×990×200	1130×395×200
3	重量 Machine weight	kg	340	378	440
4	配套 Supporting power	hp	45-60	45-60	55-80
5	适用行距 Applicable ridge spacing	mm	1000-1100	1100-1500	700-900
6	作业行数(垄) Working row (ridge) number	/	单垄 Single ridge and double rows	单垄 Single ridge and double rows	双垄 Double ridges and double rows
7	作业效率 Work efficiency	亩	3	4	5

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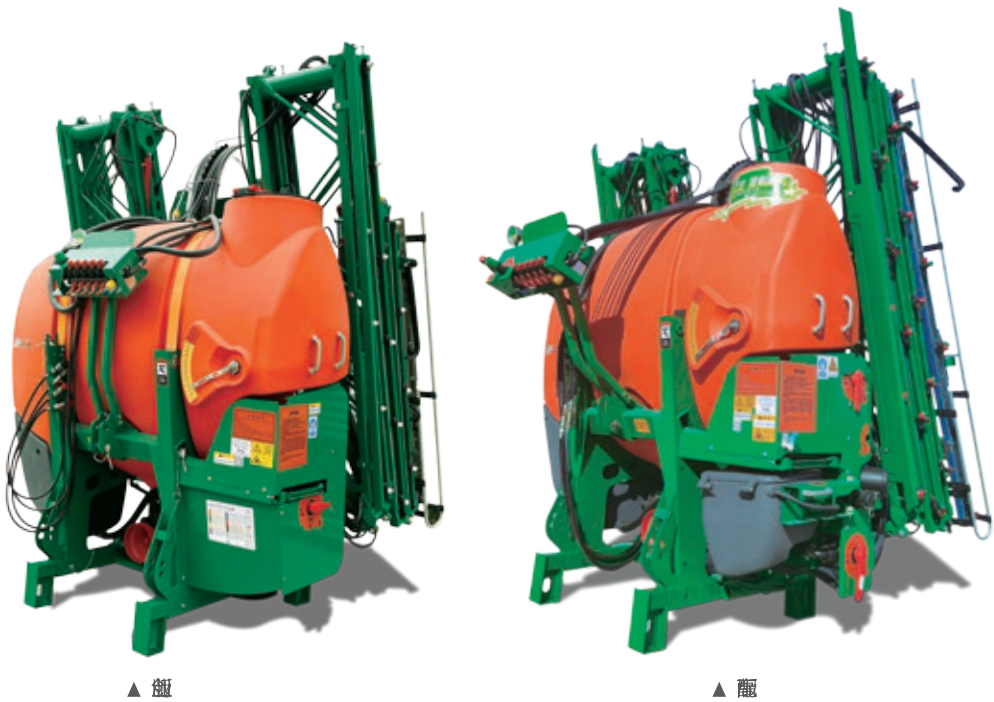
喷杆式喷雾机

喷杆式喷雾机是以拖拉机为动力，装有喷杆或吊杆（竖喷杆）的喷雾机。其移动方便、喷幅宽、喷洒均匀、效率高，是一种理想的大田作物植保机械，在我国广大农业地区发挥着巨大的作用。适用于大面积低矮农作物的田间喷药。该喷杆式喷雾机设有喷杆液压自动升降、折叠系统，喷杆平衡系统，喷杆保护装置，精确配药装置，罐体药瓶清洗装置，文丘里式搅拌系统，喷雾稳压系统，分段控制系统，多级过滤系统及防滴装置。该喷杆式喷雾机可实现一键式操作，喷杆平稳升降，依次展开、折叠，围绕重心自由摆动，突破了大型喷杆式喷雾机受地势影响大，工作不稳定，喷杆控制、折叠困难等技术难题；喷杆末端保护装置有效地保护了喷杆及远端不易观察的物体；独立的配药、加药系统，保证了药液浓度的精准性；文丘里式搅拌系统保证了药液的均匀性；罐体、药瓶清洗系统及药液防滴装置控制药物残液对环境的污染；稳压、分段控制及多级过滤系统保证了喷洒的合理性、均匀性，保证了喷洒质量。

As the sprayer equipped with a spray beam or suspender (vertical spray beam), the spraying insecticide sprayer is driven by a tractor. It features a convenient movement, wide spraying, even spraying and high efficiency, and acts as an ideal field crop equipment for plant protection, playing a huge function of vast agricultural regions in China. It is applicable to the field spraying of large scale of short crops. The spraying insecticide sprayer is equipped with a spray beam hydraulic-pressure automatic rising-lowering and folding system, spray beam balancing system, spray beam protection device, accurate dosage device, tank and medicine bottle cleaning device, Venturi-type mixing system, spraying pressure stabilizing system, subdivision control system, multistage filtering system and anti-drip device. In the spraying sprayer, a one-button operation can be realized, for the spray beam to stably rise and fall, unfold and fold one by one, and embrace the center of gravity to freely swing, breaking through the technical difficulties of great influence on the large-scale spraying insecticide sprayer by terrain, unstable operation, and difficult spray beam and folding; A spray beam terminal protector effectively protects the spray beam and the object difficult to view in a far end; An independent dosage and medicine using system guarantees the accuracy of liquor strength; The Venturi mixing system guarantees the evenness of liquid; The tank and medicine bottle system and liquid anti-drop device controls the pollution on the environment caused by relevant residual liquids; The pressure stabilization, subdivision control and multistage filtering system guarantee the reasonability, evenness and quality of spraying.



3WP-1500-21/24 Hanging Spray Bar Sprayer
3WP-1500-21/24 悬挂式喷杆喷雾机



序号 No.	项目 Item	单位 Unit	3WP-1500-21	3WP-1500-24
1	结构型式 Structural style	/	三点悬挂式 Mounted	
2	外形尺寸（运输状态：长×宽×高） Overall dimension (Folding state: length×width×height)	mm	2130×2400×3000	2130×2400×3000
3	整机净质量 Net weight of the whole machine	kg	1200	1260
4	配套动力 Supporting power	hp	120-180	120-180
5	喷雾系统工作压力 Working pressure of spraying system	Mpa	0.2-0.5	0.2-0.5
6	药液箱额定容量 Volume of the chemical bunker	L	1500	1500
7	搅拌器型式 Type of agitator	/	射流搅拌 Jet agitation	射流搅拌 Jet agitation
8	药液箱清洗装置型式 Type of cleaning device for liquid medicine tank	/	/	固定罐清洗喷嘴 Fixed tank cleaning spray
9	作业效率 Work efficiency	亩	50	60

3WP-21/120 Front-mounted Medicine Cabinet
3WP-21/120多用途前置药箱部装

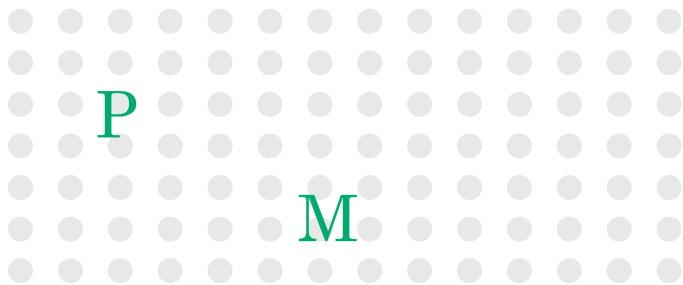


序号 No.	项目 Item	单位 Unit	参数 Parameter Index
1	外形尺寸（长×宽×高） Overall dimension(Folding state: length×width×height)	mm	1422×1820×1326
2	整机重量 Machine weight	kg	280
3	药液箱容积 Volume of the chemical bunker	L	1150
4	前罐体积 Front tank volume	L	700
5	后罐体积 Rear tank volume	L	450
6	供电要求 Power supply requirements	V	DC12

3WP-3000 Traction Spray Bar Sprayer
3WP-3000 牵引式喷杆喷雾机



序号 No.	项目 Item	单位 Unit	参数 Parameter Index
1	结构型式 Structural style	/	牵引式 Trailed
2	外形尺寸（运输状态：长×宽×高） Overall dimension(Folding state: length×width×height)	mm	6800×3000×3600
3	整机净质量 Net weight of the whole machine	kg	2700
4	配套动力 Supporting power	hp	130-180
5	喷雾系统工作压力 Working pressure of spraying system	Mpa	0.2-0.5
6	药液箱额定容量 Volume of the chemical bunker	L	主药箱3000、清水箱 300 Main medicine tank 3000, clean water tank 300
7	搅拌器型式 Type of agitator	/	射流搅拌 Jet agitation
8	药液箱清洗装置型式 Type of cleaning device for liquid medicine tank	/	固定罐清洗喷嘴 Fixed tank cleaning spray
9	作业效率 Work efficiency	亩	80



马铃薯杀秧机

马铃薯杀秧机用于马铃薯收获前的杀秧，可一次完成秧苗的切除与梳理分流作业。同时将秧杆切碎使秧杆还田，增加土壤的有机质含量。该机采用三点悬挂式，可悬挂在拖拉机的后面，单独作业，可方便的调整垄距，主要靠移动刀和顶套的位置来调节不同垄距的长短刀位置，有效地提高了垄距的调整范围。

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 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-180/360B Potato Haulm Cutter 4JM-180/360B 马铃薯杀秧机



▲ 4JM-180

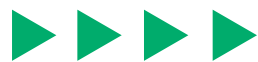


▲ 4JM-360B

号 No.	项 Item	单 Unit	4JM-180	4JM-360B
1	结构式 Structural style	/	三点悬挂式 Mounted	
2	总体尺寸 (lengthwidthheight) Overall dimension (lengthwidthheight)	mm	239020601200	239040301200
3	重量 Machine weight	kg	800	1180
4	配套功率 Supporting power	hp	60-100	100-180
5	适用垄距 Applicable ridge spacing	mm	900	900
6	作业行数 (ridge) number Working row (ridge) number	垄	2	4
7	作业宽度 Working width	mm	1800	3600
8	stubble height stubble height	mm	≤400	≤400
9	工作效率 Work efficiency	亩 /h	8	15
10	作业速度 Operation speed	Km/h	3-7	3-7

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马铃薯收获机

马铃薯收获机为代替人工完成马铃薯的挖掘和铺放的机械。国内马铃薯种植区域较为广泛和分散，希森天成根据各地的不同收获需求研制了多种规格和形式的马铃薯收获机。公司生产的马铃薯收获机具有低破皮率、低伤薯率、高明薯率和高收获效率的特点，保证了马铃薯的收获品质，节约了生产成本。

The potato harvester is a machine to replace the manual digging and laying of potatoes. The potato planting areas in China are extensive and scattered. Transce have developed various specifications of potato harvesters according to different harvest needs of different places. Potato harvester produced by the company have the characteristics of low bruising rate and damage ratehigh harvesting efficiency exposed rate. Ensure the harvest quality of potatoes and saving production cost.

马铃薯全程机械化
POTATO MECHANIZATION



4UL-170Z/4UL-170C Potato Combine Harvester 4UL-170Z/4UL-170C 马铃薯联合收获机



▲ 4UL-170Z



▲ 4UL-170C

序 No.	项 Item	位 Unit	4UL-170Z	4UL-170C
1	结构 Structural style	/	牵引 Trailed	牵引 Trailed
2	整体尺寸 (lengthwidthheight) Overall dimension (lengthwidthheight)	mm	970032003400	667026802890
3	重量 Machine weight	kg	5960	3270
4	配套功率 Supporting power	hp	140-210	120-180
5	适用垅距 Applicable ridge width	mm	900	900
6	作业行数 (垅) Working row (ridge) number	/	2+2	2
7	作业宽度 Working width	mm	1700	1700
8	挖掘深度 Digging depth	mm	150-300	150-300
9	挖掘形式 Excavating type	/	固定组合铲 Fixed combined shovel	固定组合铲 Fixed combined shovel
10	筛网宽度 Screen width	mm	1660	1660
11	最大装载高度 Maximum loading height	mm	4000	2940
12	工作效率 Work efficiency	亩 /h	8-10	6-8

4UL-170D/170E Ton-type Potato Combine Harvester
4UL-170D/170E 吨包型马铃薯联合收获机



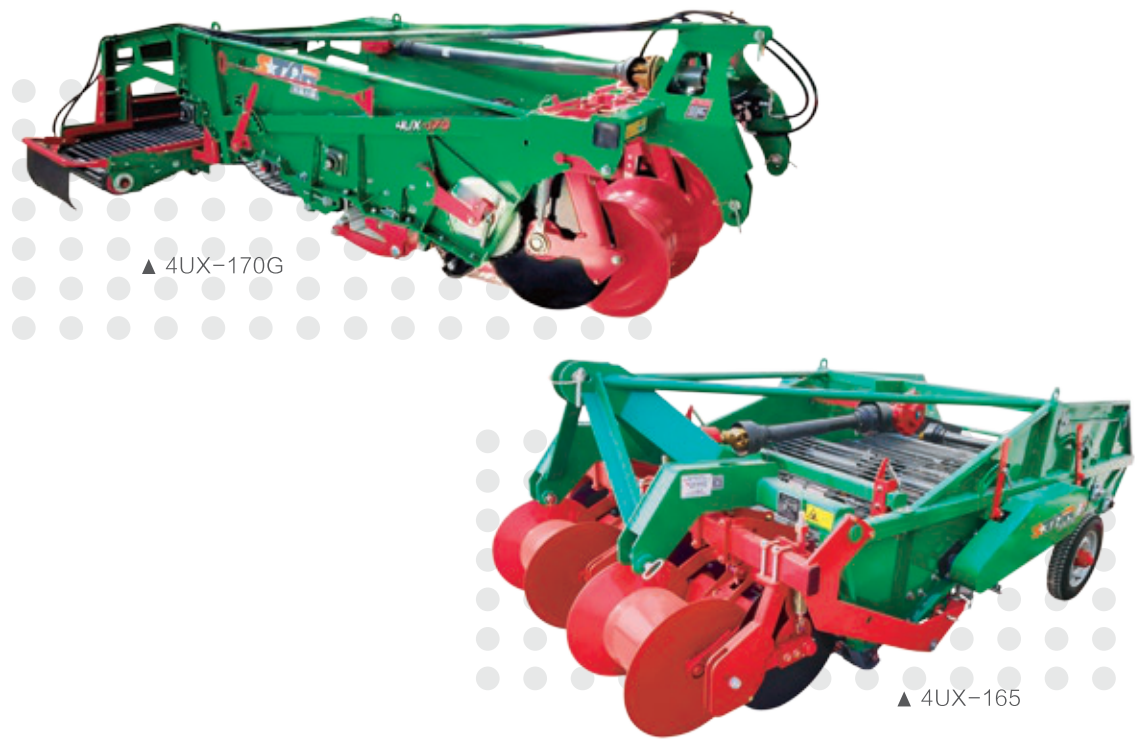
序 No.	项 Item	单位 Unit	4UL-170D	4UL-170E
1	结构型式	/	trailed	
2	总体尺寸 (长×宽×高)	mm	9210×3400×3000	9627×3147×3031
3	整机重量	kg	6500	5500
4	配套功率	hp	140-210	140-210
5	作业宽度	mm	1700	1800
6	限深装置型式 (限深轮, 其他)	/	限深轮	限深轮
7	挖掘深度调整范围	mm	150-300	150-300
8	茎秆清除装置型式	/	倒转式种薯泵送滚筒	筛网式种薯泵送滚筒
9	挖掘装置型式	/	固定式联合铲	固定式联合铲
10	清洗分离装置型式 (振动筛, 其他)	/	输送带链格筛+星形橡胶轮	振动筛
11	输送装置型式 (链格筛型, 皮带型, 其他)	/	链格筛	链格筛
12	工作效率	亩/时	0.8	0.8

4UQ-170A/165 Potato Harvester
4UQ-170A/165 马铃薯收获机



序 No.	项 Item	单位 Unit	4UQ-170A	4UQ-165
1	结构型式	/	trailed	
2	总体尺寸 (长×宽×高)	mm	5595×2610×1625	5980×2590×1710
3	整机重量	kg	2447	2340
4	配套功率	hp	125-160	125-160
5	自适应株距	mm	800-900	800-900
6	作业行数 (株距) 数	/	2	2
7	作业宽度	mm	1700	1650
8	挖掘深度	mm	150300	150300
9	净薯率	/	96%	96%
10	薯伤率	/	≤5%	≤5%
11	破皮率	/	2%	2%
12	工作效率	亩/时	0.8	0.8

4UX-160/165/170G Potato Harvester
4UX-160/165/170G 马铃薯收获机



序 No.	项 Item	单 Unit	4UX-160	4UX-165	4UX-170G
1	结构型式 Structural style	/	三点悬挂式 Mounted		
2	总体尺寸 (长×宽×高) Overall dimension (length×width×height)	mm	3880×1982×1260	3950×1701×1320	4120×2480×1380
3	整机质量 Machine weight	kg	1415	1580	1625
4	配套功率 Supporting power	hp	120-160	125-180	92
5	自适应株距 Adaptive ridge spacing	mm	750-800	800-900	850-900
6	作业行数 (垄) Working row (ridge) number	/	2	2	2或3行
7	作业宽度 Working width	mm	1600	1550	1700
8	挖掘深度 Digging depth	mm	150-300	150-300	150-300
9	净薯率 Bright potato rate	/	96%	96%	96%
10	薯损率 Potato injury rate	/	≤5%	≤5%	≤5%
11	破皮率 Skin breaking rate	/	2%	2%	2%
12	工作效率 Work efficiency	亩	≥5	≥	≥

4UX-170A/180B/200 Potato Harvester
4UX-170A/180B/200 马铃薯收获机



序 No.	项 Item	单 Unit	4UX-170A	4UX-180B	4UX-200
1	结构型式 Structural style	/	三点悬挂式 Mounted		
2	总体尺寸 (长×宽×高) Overall dimension (length×width×height)	mm	3875×1101×255	3880×2151×215	3880×2568×260
3	整机质量 Machine weight	kg	1510	1588	1867
4	配套功率 Supporting power	hp	120-160	120-160	1403
5	自适应株距 Adaptive ridge spacing	mm	850-900	900-1000	≤100
6	作业行数 (垄) Working row (ridge) number	/	2	2	2
7	作业宽度 Working width	mm	1700	1800	2000
8	挖掘深度 Digging depth	mm	150-300	150-300	150-300
9	净薯率 Bright potato rate	/	96%	96%	96%
10	薯损率 Potato injury rate	/	≤5%	≤5%	≤5%
11	破皮率 Skin breaking rate	/	2%	2%	2%
12	工作效率 Work efficiency	亩	≥	8	9

4UZ-100 Self-propelled Potato Harvester
4UZ-100 自走式马铃薯收获机



序 No.	项 Item	单位 Unit	参数 Parameter Index
1	结构型式 Structural style	/	自走式 Self-propelled
2	整体尺寸 (长×宽×高) Overall dimension (length×width×height)	mm	4800×2060×1500 3800×1400×2400
3	整机重量 Machine weight	kg	1400
4	挖掘宽度 Excavation width	mm	1000
5	挖掘深度 Digging depth	mm	150-320
6	作业速度 Operation speed	Km/h	0.5-1.5
7	作业效率 Working performance	亩/小时	1.5-2.0

4UX-100/100D/120 Potato Harvester
4UX-100/100D/120 马铃薯收获机



序 No.	项 Item	单位 Unit	4UX-100	4UX-100D	4UX-120
1	结构型式 Structural style	/	三点悬挂式 Mounted		
2	整体尺寸 (长×宽×高) Overall dimension (length×width×height)	mm	2300×390×170	2835×410×125	2730×560×160
3	整机重量 Machine weight	kg	340	630	580
4	支撑功率 Supporting power	hp	30-60	50-80	60-100
5	适用垄宽 Applicable ridge width	mm	≤1000	≤1000	≤200
6	作业行数 (垄) Working row (ridge) number	行	1	1	1
7	作业宽度 Working width	mm	1000	1000	1200
8	工作效率 Work efficiency	亩/小时	≥3	≥3	≥4

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马铃薯清选输送机械

希森天成根据国内马铃薯田间分选的行业现状，研制了一整套的马铃薯田间清选输送机械，并申请了一系列的国家专利，保证了马铃薯的收获后处理的顺利高效完成。对马铃薯的去土除秧、分类分级和伤病薯的剔除等马铃薯上市及入库前处理均有非常重要和深远的意义。

Transce researched and developed a series of potato field separation and cleaning machineries based on the current situation of potato field separation in China. Also, the Company applied for a series of national patents. Ensure the smooth and efficient completion of potato post harvest treatment. Which have very important and far-reaching significance of potato soil removing and seed separation, injured and diseased potatoes removal of all these potato marketing and pre storage treatment.



5SY-8 Potato Trailer
5SY-8 马铃薯输送运输车



号No.	项Item	单Unit	参数Parameter Index
1	结构Structural style	/	牵引Trailed
2	整体尺寸Overall dimension (lengthwidthheight)	mm	7440×2240×270
3	重量Machine weight	kg	2830
4	支撑功率Supporting power	hp	90-160
5	最大负载Maximum load	T	8
6	输送带速度Conveying belt speed	m/s	0-1.6可调Adjustable)
7	行走速度Walking speed	Km/h	35
8	效率Efficiency	t/h	35
9	容积Volume	L	1000

5S1-60 Potato Single Belt Conveyor
5S1-60 单层马铃薯平输送机



序No.	项Item	单Unit	5S1-60-4	5S1-60-6	5S1-60-8
1	整体尺寸Overall dimension (lengthwidthheight)	mm	4200×180 ×100	6200×180×100	8060×180×100
2	重量Machine weight	kg	475	630	703
3	最大倾角Maximum inclination angle	°	3	3	4
4	最大处理能力Maximum processing capacity	t/h	60	60	60
5	马铃薯损伤率Potato injury rate	%	≤	≤	≤
6	电机功率Motor power	kW	1.5	2.2	2.2
7	输送带速度Conveyor belt speed	m/s	0.55/0.85/1.1	0.55/0.85/1.1	0.55/0.85/1.1
8	电机数量Number of motors	个	1	1	1
9	供电形式Power supply form	/	380V三相380V AC	380V三相380V AC	380V三相380V AC
10	输送带形式Conveyor belt form	/	圆形多层橡胶输送带Circular multi-layer rubber conveyor belt	圆形多层橡胶输送带Circular multi-layer rubber conveyor belt	圆形多层橡胶输送带Circular multi-layer rubber conveyor belt

5S2-60 Potato Double Belt Conveyor
5S2-60 双层马铃薯平输送机



号No.	项Item	单Unit	参数Parameter Index
1	整体尺寸Overall dimension (lengthwidthheight)	mm	9770×980×700
2	重量Machine weight	kg	1680
3	最大伸长Maximum elongation	mm	6000
4	最大延伸长度Maximum extension length	mm	15770
5	最大旋转半径Maximum radius of rotation	mm	14850
6	最大处理能力Maximum processing capacity	t/h	60
7	马铃薯损伤率Potato injury rate	%	≤
8	电机功率Motor power	kW	2.2
9	输送带形式Conveyor belt form	/	圆形多层橡胶输送带Circular multi-layer rubber conveyor belt
10	输送带数量Conveyor belt quantity	条	2
11	输送带速度Conveyor belt speed	m/s	0.55/0.85/1.1

5XF-40/60/80 Potato Receiving Hopper

5XF-40/60/80 马铃薯清洗输送机



序 No.	项 Item	单 Unit	5XF-40	5XF-60	5XF-80
1	整体尺寸 (lengthwidthheight)	mm	708030252380	757046002500	890034003200
2	机器重量 Machine weight	kg	2922	5450	6100
3	最大处理能力 Maximum processing capacity	t/h	40	60	80
4	输送结构类型 Conveying structure type	/	齿形橡胶带 Toothed rubber belt	杆+PVC带 Rod +PVC belt	杆+PVC带 Rod +PVC belt
5	动力模式 Power mode	/	液压泵站 Hydraulic pump station	电机驱动 Motor drive	液压泵站+滚筒电机 Hydraulic pump station+drum motor
6	总功率 total power	kW	7.5	4.87	16.5
7	功率要求 power requirement	/	AC380V,50HZ	AC380V,50HZ	AC380V,50HZ
8	操控类型 Manipulation type	/	手柄控制+按钮 Handle control+button	手柄控制+按钮 Handle control+button	手柄控制+按钮 Handle control+button
9	料斗容量 Hopper volume	m ³	8.2吨 (about 5.2 tons of potatoes)	10.5吨 (about 6.5 tons of potatoes)	18.4吨 (about 11.9 tons of potatoes)
10	清洗滚筒 Cleaning roller	/	螺旋弹簧型/聚氨酯铸造滚筒型 Spiral spring type/polyurethane casting roller type	螺旋弹簧型/聚氨酯铸造滚筒型 Spiral spring type/polyurethane casting roller type	聚氨酯铸造滚筒型 polyurethane casting roller type

5XW-40 Mesh Sieve Type potato cleaning conveyor

5XW-40 网筛式马铃薯清洗输送机



序 No.	项 Item	单 Unit	参数 Parameter Index
1	整体尺寸 (lengthwidthheight)	mm	770025461345
2	机器重量 Machine weight	kg	1912
3	最大处理能力 Maximum processing capacity	t/h	60
4	最大提升量 Maximum lifting amount	mm	360
5	马铃薯损伤率 Potato injury rate	%	≤
6	上部输送形式 Upper conveying form	/	链式筛网 Conveying chain grate screen
7	筛网间距 Pitch of conveying screen	mm	45
8	筛网宽度 Width of conveying screen	mm	1200
9	输送带形式 Conveyor belt form	/	平带 Flat belt type
10	晾晒输送带宽度 Width of sundries conveyor belt	mm	600

5SD-40/60 Potato Store Loader

5SD-40/60 马铃薯堆垛机



序 No.	项 Item	单位 Unit	5SD-40	5SD-60
1	尺寸 Overall dimension (lengthwidthheight)	mm	949224401600	1828926822991
2	重量 Machine weight	kg	3705	5880
3	处理能力 Maximum processing capacity	t/h	60	60
4	最大伸长 Maximum elongation of telescopic frame	mm	4950	5200
5	最大延伸长度 Maximum extension length	mm	14440	23589
6	最大高度 Maximum elevation	mm	8000	7900
7	马铃薯损伤率 Potato injury rate	%	≤	≤
8	最大旋转半径 Maximum radius of rotation	mm	12720	15500
9	最小旋转半径 Minimum rotation radius	mm	7712	10700
10	输送带输送速度 Conveyor belt conveying speed	m/min	50/25	60(最大 Maximum)

5SG-40 Potato Loading Conveyor

5SG-40 马铃薯装车输送机



序 No.	项 Item	单位 Unit	参数 Parameter Index
1	尺寸 Overall dimension (lengthwidthheight)	mm	1300023003000
2	重量 Machine weight	kg	1770
3	处理能力 Maximum processing capacity	t/h	60
4	最大装卸高度 Maximum loading and unloading height	mm	6650
5	马铃薯损伤率 Potato injury rate	%	≤
6	手动液压泵站位移 Displacement of manual hydraulic pump station	cm ³	45
7	泵站油箱容积 Pump station oil tank volume	L	10
8	主动电机功率 Active motor power	kW	1.2/2.4
9	电源形式 Power supply form	/	380V三相
10	输送带输送速度 Conveyor belt conveying speed	m/min	50/25

5SZC-40 Potato Loading Machine

5SZC-40 马铃薯装车机



序 No.	项 Item	单位 Unit	参数 Parameter Index
1	尺寸 Overall dimension (lengthwidthheight)	mm	528024243237
2	重量 Machine weight	kg	2754
3	处理能力 Maximum processing capacity	t/h	60
4	最大倾角 Maximum inclination of ground/arm	°	28.5
5	最大倾角 Maximum inclination angle of ground/two arms	°	131
6	最大输送速度 Maximum conveying speed	m/s	1.2
7	输送带宽度 Conveyor belt width	mm	1038
8	挡板宽度 Baffle width	mm	850
9	操纵形式 Manipulation form	/	无线遥控 Wireless remote control

5SZ-40/60 Potato Scooper

5SZ-40/60 马铃薯出仓机



▲ 5SZ-40



▲ 5SZ-60

序 No.	项 Item	单 Unit	5SZ-40	5SZ-60
1	尺寸 Overall dimension (length×width×height)	mm	8000×660×525	8845×180×550
2	长度 Extended length	mm	10500	11845
3	半径 Maximum radius of rotation	mm	10000	11300
4	宽度 Belt width	mm	624	624
5	重量 Machine weight	kg	1878	1770
6	卸载高度 Unloading height	mm	460-1366	1000-1300
7	倾角 Angle of rotation	°	130	130
8	最大处理能力 Maximum processing capacity	t/h	40	60
9	马铃薯 injury rate	%	≤	≤
10	功率 power	kw	6	8.1

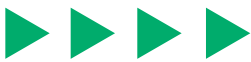
5SJ-3 Potato Bagging Machine

5SJ-3 马铃薯装袋机



序 No.	项 Item	单 Unit	参 Parameter Index
1	尺寸 Overall dimension (length×width×height)	mm	2720×1000×884
2	重量 Machine weight	kg	237
3	最大处理能力 Maximum processing capacity	t/h	3
4	电动机功率 Motor power	kW	0.38
5	破损率 Damage rate	/	≤

P D
S G
AND IMPACT RECORDING DEVICE



专业仓储通风系统及质量检测

致力于研制适用于国内的专业仓储通风系统及设备，完成多个商品薯、种薯、加工薯贮藏项目。产品储存效果很好，得到了广大客户的认可。

Committed to the development of professional storage and ventilation systems, And completed a number of potato storage projects. The product has a good storage effect and has been recognized by our customers.



Impact Recording Device

碰撞检测记录仪

碰撞检测记录仪主要用于记录产品采摘到包装过程的撞击及表面磕碰数据统计，所有检测追踪设备可根据客户订单需求定制。根据采集的数据上传到电脑控制的IRD检测设备。电脑控制的IRD检测设备操作简单，以图形和表格形式生成数据分析。该数据采集器包括采集时间和记录的冲击速度变化。



序	项	单
1	探	8Hz-5kHz
2	触	400G
3	速	
4	量	
5	能	速
6	量	200G
7	频	5Hz-3kHz
8	数	256数
9	池	锂

Design

设计

虽然我们不能提高贮藏的马铃薯、洋葱、胡萝卜或甜菜的质量，但我们可以尽可能长时间地保存它。马铃薯、洋葱、胡萝卜和甜菜在贮藏过程中会呼吸，它们不断地消耗空气中的氧气向周围的空气排放热量、水和二氧化碳，使空气的温度、湿度和氧气的含量不断变化。我们采用定制的自动控制贮藏技术，以满足你所在地相应产品的要求，我们确保储存由呼吸、脱水、病变所造成的损失，保持在绝对最小。



Storage Form

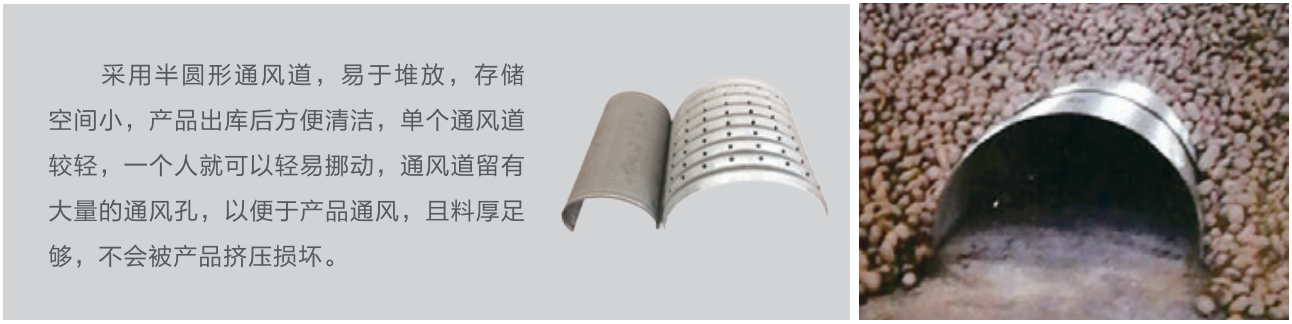
贮藏形式

我们会为您提供选择最适合您的库体建设形式，如拱形钢构、砖混结构等。此外，我们将考虑您的要求和当地情况，无论您需要什么储存形式，如散装库、袋装库、箱装库等，我们都会为您配备最佳的控制系统及仓储设备。



Ventilation Duct

专业通风道



Storage Controller

主控制器

Techmark存储控制器已投入使用30多年，其中755存储控制器最多可控制4个储存库，它可以处理库内温度、湿度和CO₂等传感器所采集的信息，并根据采集的信息调整进气窗与出气窗的位置、温度、湿度及风机运行时间。同时，755可以通过互联网在世界任何地方远程遥控。



Humidification

加湿系统

库内保持适宜的湿度可有效保证产品质量及减少质量损失。首先，提供足够的水份保持马铃薯贮藏期间新鲜度；其次是由于马铃薯没有水分损失，因而重量不会损失。因此，增加马铃薯库的相对湿度可大大降低马铃薯的库损从而增加储户的收入。再者是降温节能，通过加湿系统降温比较明显。



Fan Systems

通风系统

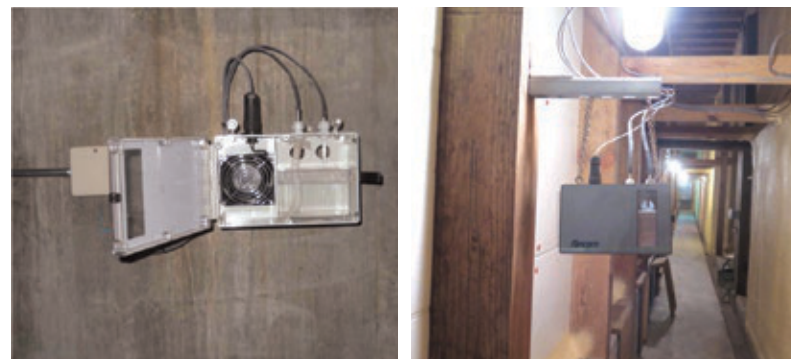
采用风机对库内进行通风，以保证适宜的储存环境，通过变频器的调节风机转速不仅可以让仓储产品在整个仓储过程中得到充足的通风，降低产品损耗，还可以节省能耗，避免风机损坏，保护通风设备。



Storage Sensors

检测系统

所有库房内的采集传感器均集成到755主控制器中，其库内温度、湿度及CO₂也是755主控制器根据传感器采集的信息进行调控的。我们会根据库房大小，为每个库房内配备产品温度传感器、回风温度计、湿度传感器、风量传感器、CO₂传感器等检测传感器的位置及数量。



Fresh Air Inlet Doors

进气窗

库内适当的空气组合是产品存储的关键。755主控制器会根据检测装置采集的库内信息、外部空气环境及预先设置的相关存储参数来调整进气窗的开启角度，进而管理库内存储环境，如库内二氧化碳浓度及库内存储温度等。



Refrigeration and Heating

制冷和制热

如果您所在的地区需要加热或者制冷时，我们可以为您制定一套加热或者制冷系统，以满足您存储所需的制冷和制热的要求。凭借我们高品质的设备部件和设计理念，我们可以为您制定出最佳方案来满足您对加热和制冷的各种需求。



Debugging and Installation

调试与安装

合理的产品储存始于正确的设计。但是最高效和最理想的运行必须建立在通风系统的正确安装以及操作的前提下。我们会为设备的安装提供合适的指导和建议，以确保设备的正确安装和操作从而达到您存储的目标。同时，我们可以培训您的员工如何操作和使用我们的通风系统，使其成为一个在存储期间保持马铃薯自身品质的合格的管理员。

