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PRODUCTS ENQUIRY PLEASE CONTACT
OUR DEALER

NATIONAL PARTS DISTRIBUTOR:

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Modernized Agricultural Water Saving Irrigation Solution Supplier

Anhui Irritech Agriculture Equipment Corporation Limited





Irritech is a manufacturer of center pivot, linear, hose reel machine and other automatic irrigation system. Our products has been successfully installed in most of China and exported to Mali, Cuba, New Zealand, Iran, Tajikistan, Iraq and so on.

Irritech has built business relationship with UMC, Komet, Bermad, Nelson and Marani.









International Cooperation



Clients from New Zealand



Clients from Sudan



Clients from Iran



Clients from Middle East



Distributor from Egypt

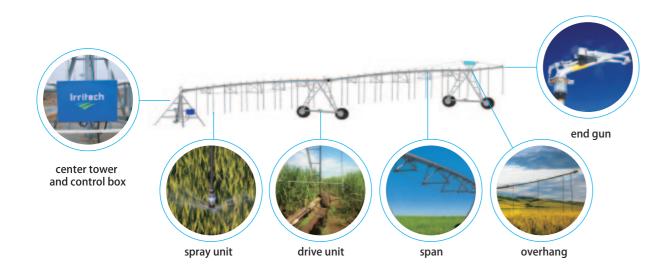


Clients from Lebanon





1. Typical structure of center pivot

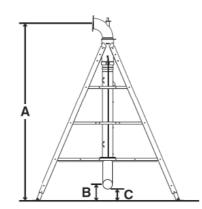


2. Standard Profile Specification

Span Dia	Span Length	Sprinkler Space	Truss Number	Crop Clearance	Tires	Percent Slope	Overhang length
5	43.37	2.9/1.9	6	2.90	11.2-24	19%	_ 0.76
5	49.12	2.9/1.9	7	2.90	11.2–24	17%	
5	54.86	2.9/1.9	8	2.90	11.2-24	15%	- 2.75
6-5/8	43.37	2.9/1.9	6	3.05	14.9-24	15%	5.52
6-5/8	49.12	2.9/1.9	7	3.05	14.9-24	12%	8.35
6-5/8	54.86	2.9/1.9	8	2.90	14.9-24	10%	11.03
6-5/8	60.63	2.9/1.9	9	2.83	14.9-24	8%	_ 16.7
8-5/8	43.37	2.9/1.9	6	2.93	14.9-24	9%	_ 19.38
8-5/8	49.12	2.9/1.9	7	2.83	14.9-24	7%	
8-5/8	54.86	2.9/1.9	8	2.77	14.9–24	5%	- 25.08



Pivot Point Height

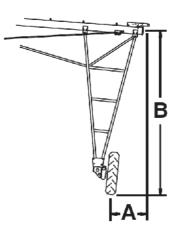


	Point	Low Profile	Standard Profile	High Profile
Α	6 5/8"	2.81m	3.73m	4.72m
	8 5/8"	2.81m	3.73m	4.72m

Lower Elbow

	Point	Low Profile	Standard Profile	High Profile
В	6 5/8"	36.7cm	21.9cm	
	8 5/8"	24.1cm	24.1cm	24.1cm
C	6 5/8"	28.3cm	13.5cm	
	8 5/8"	14cm	14cm	14cm

Tower Wheel & Drive Unit Height



Tire Size	Α	В		
		Low Profile	Standard Profile	High Profile
11.2*24	70.9cm	3.05cm	3.96cm	4.95cm
14.9*24	66.5cm	3.11cm	4.03cm	5.02cm
16.9*24	63cm	3.14cm	4.05cm	5.02cm

Drive Unit





Towable Center Pivot

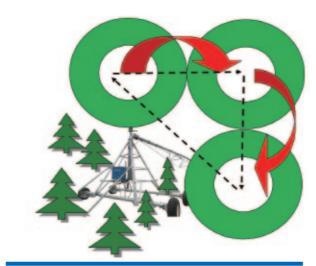








The reliable, field-proven design of IRRITECH towable pivots enables you to irrigate 2 to 121hectare fields easily and economically. IRRITECH towable pivot can be moved from one field to another in less than one hour! There are two models, the 4-Wheels and the 2-Wheels.





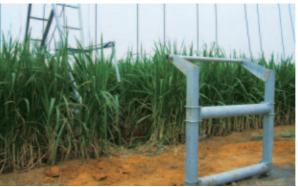
High-profile with 3.75m-4.1m crop clearance and Ultra high-profile with 4.6m-5.1m crop clearance models available to fit all field sizes. They are mainly used on irrigating sugarcane, sorghum, bananas, fruit trees, etc.





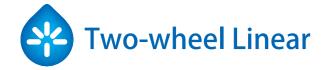












● Pipe diameter: 5", 6 5/8"

● Length: max 5 spans

• Water supply: drag hose or ditch

• Power supply: drag cable or diesel engine

Control box: Standard (Switch) or PLC

• Fertilizer system: 1000L-6000L

Pesticide Spray system: optional

●Towing cable reel: optional

 Guidance: Furrow , Angle steel, Above-Ground Cable

Alignment:Control pole,Modified,Floating

● Single span linear: spans from 37m-81m

Project Cases

Wheat Research Institute of Henan Agriculture Academy

Suzhou Academy of Agricultural Science Experiental Base

Base of Anhui Agriculture University

Hulunbeier.Inner Mongolia

Ordos.Inner Mongolia

Zhoukou.Henan









● Pipe diameter: 5", 6 5/8", 8 5/8"

• Length: max 24 spans

• Water supply: drag hose or ditch

• Power supply: drag cable or diesel engine

Control box: Standard (Switch) or PLC

• Fertilizer system: optional 1000L-6000L

Pesticide Spray system: optional

 Classified according to the location of the water source into End Feed and Center Feed

 Cart: Standard Four-wheel linear or Heavy-duty Four-wheel linear

 Guide way: Furrow, Angle steel, Above-Ground Cable

Alignment:Control pole,Modified,Floating

Project Cases

Hebi Academy of Agricultural

Luyi.Henan

Zhonghe Group

Qixian.Henan

Xunxian.Henan

Xinzheng.Henan

Suqin Farm. Inner Mongolia

Wuhai.Inner Mongolia











Quality and Advantage



The flexible connection between the center tower and the spray of pivot absorb the stress caused by hilly condition, effectively guarantee the longer operating life of the



A full set of four braces on each side of the drive unit ensure stable operation under hilly condition. And also convenient to climb for the maintenance.



The arched triangle of the span ensure the stable operation under hilly condition or big land slope.



Large transition radius and uniform loading of truss rod heads mean a lower concentration of stress and longer life.



Full wrap around leg attachment brackets at each drive unit provide added strength. Heavy duty gussets eliminate pipe twist.



Special design of truss rod and basement ensure the structure in the control and avoid shock strength to the whole span.



11.5m pipe ensure the less possibility of water leakage than the 6.5m pipe, while save the huge cost of installation or disassemble.



Bolt and-socket hitch allows movement in all directions, side to side, up to down, and rotation to minimize stress on the pipeline while ensuring maximum flexibility. One piece forged steel ball ensures long term durability.



Imported Core Components



UMC Motor



Bermad Valve



Nelson End Gun



UMC Gearbox



Hydrus Collector



UMC Standard Coupler





Sprinklers and Regulator

1. Nelson sprinklers



Nelson Regulator





D3000





R3000











O3000

Sprinklers and Regulator

2. Komet Sprinklers



KPT



KPS

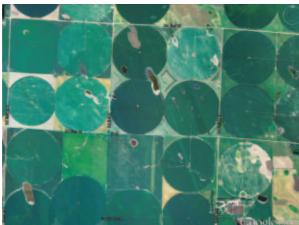




System Solution

1. Field site measuring and design





plan drawing

actual air view

2.Rate irrigation proposed base on crops and terrain 3. Power supply

	mm/d			≥38°C)
		mm/d	mm/d	mm/d
alfalfa	6.10	6.86	8.64	11.43
corn	5.84	6.60	8.13	11.43
cotton	5.08	5.59	6.86	9.65
grape	3.02	4.57	5.08	6.35
pasture grass	5.84	6.60	7.64	8.12
peanut	5.59	6.86	8.12	9.91
potato	5.08	6.35	8.64	11.94
sorghum	5.33	6.60	8.13	11.43
soybean	5.59	5.84	7.62	11.43
sugar beet	5.08	5.84	7.62	10.92
sugar cane	-	8.69	10.00	_
wheat	5.08	5.84	7.37	9.14



a. power grid supply



b. diesel engine supply

System Solution

4. Water supply



one well supply one pivot



five well supply one pivot



square impounding water reservoir



three well supply one pivot



round impounding water reservoir



integral diesel engine supply from river





System Accessories

1. Fertilizer system

Fertilizer system help grower apply their fertilizer more accurate and timely. The quantity and concentration can be easily adjusted.
Composed of HDPE tank, basement, pump and blender.





2. Remote control system

Remote control system can take use of different communication mode, such as power grid, radio, internet WI-FI or GPRS. The remote control system help grower control and monitor pivot, linear, pump, soil sensor, fertilizer system etc. Most effectively help grower save labor and time.





3. Polypipe

Polypipe is used necessary when water supplied to pivot is wastewater, process water, salty and acidic water. It can effectively protect pipe from corrosion.







System Accessories

4. EOFS

End-of-field stop can be located on any drive unit, allowing the pivot to be stopped at preset points such as farm buildings, fence lines, etc.





5. Dry wheel track packages and Remote Drain

Dry wheel track packages and Remote Drain minimize the amount of water applied into or directs the water behind the wheel tracks.





6. Solar irrigation system

Solar irrigation solutions are available for both surface water and deep wells enabling cost effective irrigation. This approach has important economic advantages, particularly in sunny regions with underdeveloped power grids and/or high diesel costs.



