

WESTERN MICRO SYSTEMS AcreMaster



WESTERN



OPTIMIZE YIELDS FROM SMALL FIELDS

WESTERN Micro Pivot & Linear Systems



MICRO SYSTEMS

Defining the Next Generation of Small Acreage Irrigation



AcreMaster

In a class of their own, the AcreMaster line of Micro Pivot & Linear is the strong, lightweight, less expensive alternative for irrigating small to medium sized parcels.

Their low power consumption, efficient use of energy and resources, and standardized components make them inexpensive to operate and easy to assemble.

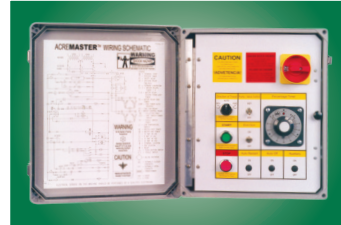
AcreMaster Pivot

Owners of the AcreMaster recognize its value and benefits from the minute it arrives due to the followings:



AcreMaster MicroPivot Features and Options

Highly visible, well articulated panel graphics make the AcreMaster's controls easy to operate.



Control Panels

We understand how important a few saved steps can be in your busy life. Realization of this has contributed to the research and development of the AcreMaster Controls. We use the latest components, micro switches, and highest quality materials to create the features that save you time and steps during operation, repositioning and shutdown.

Options

- Automatic reverse
- Automatic shutdown
- Automatic restart
- Low temperature shutdown
- Strobe light

The Flexible Alternative

- 4", 14-gauge galvanized pipe
- Variable span lengths up to 142' in 10' increments
- Warren Truss modular type construction
- All galvanized tower and overhead components
- Standardized parts for easy assembly

- 5' sprinkler spacing accepts all current sprinkler packages
- Use 120v, 240v, or 480v Supply Power
- 1/8 HP center drive 48 volt DC motors
- 24 volt DC control circuits
- Solar capability
- Exclusive, totally enclosed oil bath gearbox and final drive

- High flotation 12" x 26" tubeless Ag tires
- Three-Point hitch/quick-tow pivot point
- 6' crop clearance standard. 9' optional

Towability



- Small truck or compact tractor towable - Three-Point hitch/quick-tow pivot point

Low Power Use

- Supply Power 48VDC, 120VAC, 240VAC or 48VAC Single Phase - 1/4 HP center drive 48 volt DC motors- 24 volt DC control circuits- Solar capability

Low Maintenance

- Exclusive, totally enclosed oil bath gearbox and final drive - High flotation 12" x 26" tubeless Ag tires.



Easy Assembly

- 4", 14-gauge galvanized pipe- Variable span lengths up to 132' in 10' increments - Warren Truss modular type construction- All galvanized tower and overhead components - Standardized parts.



OPTIMIZE YIELDS FROM SMALL FIELDS

ACRE MASTER MICRO LINEARS



Square the Corners with the AcreMaster
Perfect For Square, Rectangular,
Or Irregular Parcels

MICRO SYSTEMS

ACREMASTER Linear

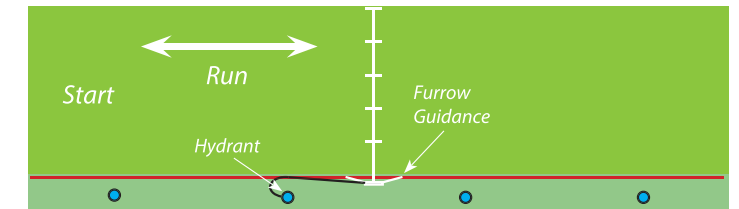
WESTERN Micro Pivot System "AcreMaster" can be configured as a linear, or a universal swing around linear, and features many of the same, versatile options as our larger systems.

20 Acre Sample Layout (660' X 1320') 2-Wheel End Feed Linear

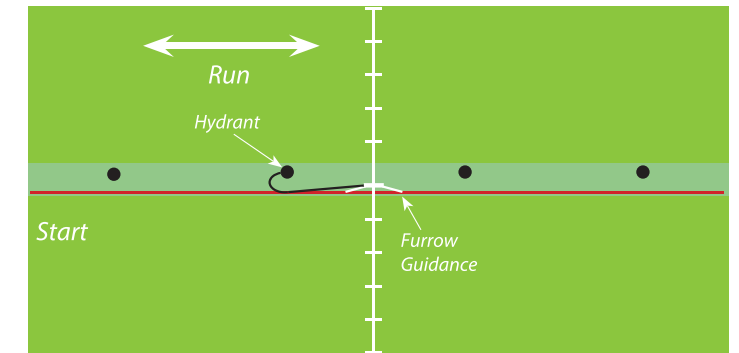
- Adjustable Rate, Variable Speed Steering
- Solid State Non-Contact Steering Switches
- Programmable Logic Control Panel
- Maximum Length – 680' (207M) with Overhang
- 330' (100M) 4 1/2" OD (114mm) Poly Drag Pipe
- Dual Water Inlet
- Single Check Valve Assembly

40 Acre Sample Layout (1320' X 1320') 2-Wheel Center Feed Linear

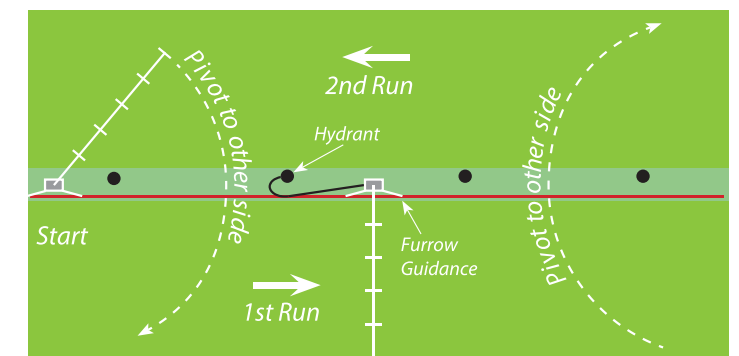
- Adjustable Rate, Variable Speed Steering
- Solid State Non-Contact Steering Switches
- Programmable Logic Control Panel
- Maximum Length – 1360' (414M) with Overhang
- 330' (100M) 4 1/2" OD (114mm) Poly Drag Pipe
- Dual Water Inlet
- Single Check Valve Assembly



20 ACRES



40 ACRES



80 ACRES

80 Acre Sample Layout (1320' X 2640') 4-Wheel Pivoting Linear

- Dual Mode, Pulse Steering
- Solid State Non-Contact Steering Switches
- Programmable Logic Control Panel
- Weight Trays for Traction
- Irrigate in Linear or Pivot Modes
- Maximum Length - 812' (247M) with Overhang
- 330' (100M) 4 1/2" OD (114mm) Poly Hard Hose or Soft Hose
- Dual Water Inlet
- Dual Check Valves

Drive Train Assembly

- When used in combination with our exclusive final drive and totally enclosed oil bath gearbox, the drive train assembly is as efficient as they come. And, with only a minor modification, can quickly be converted to a towable unit.

Generator

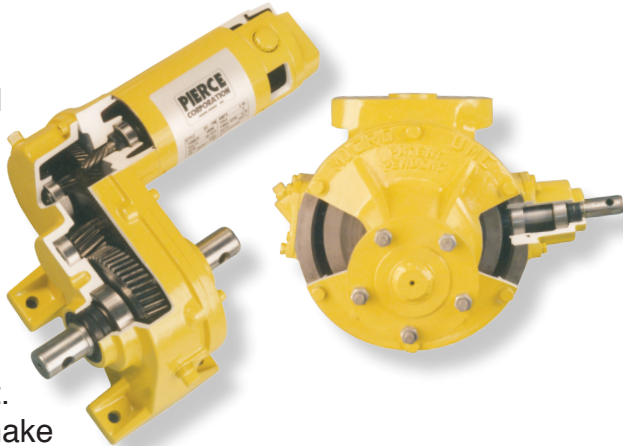
- Why install a linear requiring an expensive gen-set, when the AcreMaster offers a 2,700 watt diesel alternative at a fraction of the cost?

Guidance System

- Dependable furrow guidance system uses easily adjusted solid state, non-contact switches for ease of installation and maintenance.

Features

- Their lightweight, standardized components make them easy to assemble.
- Their mobility make them easy to reposition in multiple fields, grow multiple crops and cut your per-acre investment.
- Their low power consumption and efficient use of water make them inexpensive to operate.



Easy to Assemble

4-inch, all galvanized, 14 gauge pipe and Warren Truss construction featuring standardized parts for easy assembly and years of rugged use.





Low Power Use

Almost any power source is convertible to the low amperage, 48 volt requirement. Power availability is not an issue with AcreMaster.

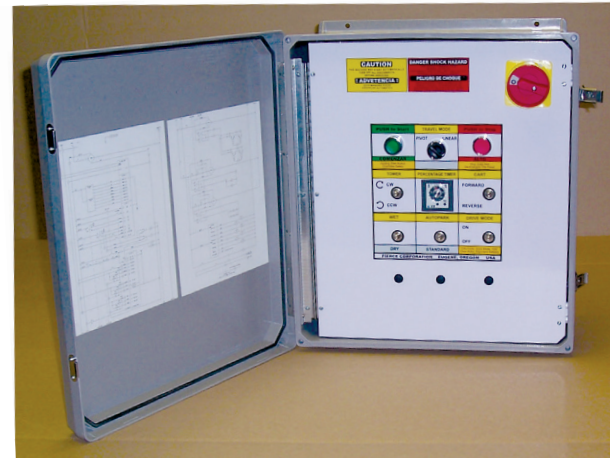


High Flotation Tires

Growers, particularly those producing turf, forage and vegetables, will benefit from the AcreMaster's high flotation ag tires. With low ground pressure, they reduce tire rutting problems.

Control Panels

Industrial-quality panels are offered in standard enamel-coated or optional stainless steel enclosures on both the programmable controller and the electro-mechanical controller. It incorporates the highest quality electrical components and most advanced technology in their control packages.



Sprinkler package

5' sprinkler spacing accepts all current sprinkler packages in case the 6' crop clearance as a standard or in case the 9' clearance as optional.

The WESTERN Micro system includes a complete selection of sprinklers, both fixed and rotating, in order to accommodate any type of terrain, crop or weather conditions. The sprinklers operate at low pressure, uniformly along the entire Micro pivot or Linear, reducing costs through efficient water application and minimizing losses caused by evaporation, wind drift and surface run-off.

Fixed sprinklers

High efficiency, especially on sandy soil.

They operate at low pressure, from 6 to 20 psi (0.4 to 1.4 bar).

Wetted diameters of 6 to 10 m, depending on the operating pressure and sprinklers heights.

Rotating sprinklers

High irrigation efficiency.

Low instant application rate, ideal for medium and heavy soil.

The rotary action makes it possible to throw the water further, achieving wetted diameters of 10 to 20 m.



Excellent wetting range

Our technicians will design your sprinkler package to provide uniform water distribution over the largest possible surface.

The struggle against wind

By maintaining lower trajectory angles and larger droplet sizes, the WESTERN sprinkler package offers solutions for the wind drift loss, maximizing application efficiency.

Why use pressure regulators?

Using pressure regulators maintain constant pressure and flow in even and uneven fields and creates the ideal conditions for sprinklers to apply, thereby maximizing application efficiency.

Customer Service

We maintain continuous specialized training programs for our technicians as well as our official Distributor network, to help you keep your WESTERN Micro systems operating correctly and efficiently.

When you purchase a WESTERN Micro Systems, our network of distributors will install your machine in accordance with our recommended standards in order to ensure maximum efficiency and durability.

Quality

WESTERN irrigation systems offer incomparable durability and reliability; this reputation can be attributed to the company's commitment to quality.

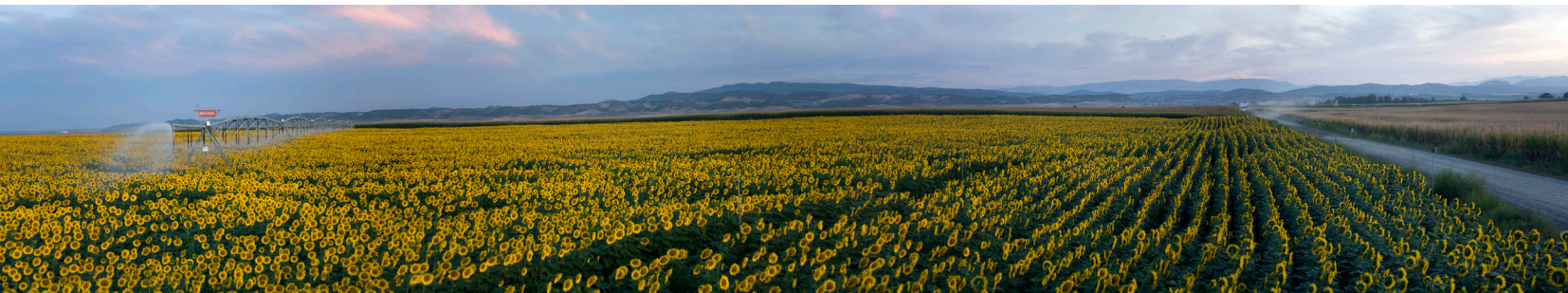
All WESTERN irrigation Systems are manufactured under the ISO 9001 quality standard to guarantee our efforts to maintain the highest levels of quality for our irrigation systems.

Warranty

All WESTERN systems including all electrical and mechanical features are guaranteed against any manufacturing defects for 6,000 hours or 2 years whichever comes first.



Our Affiliates



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Talk to your local Distributor to find out what we can offer you.



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