



Mechanized Irrigation Systems



"The Best in its Field"

CORNER

CORNER SYSTEMS

Custom Configured
to Meet Your Field
and Crop Demands

PIERCE

Optimized Corner Systems

The new Pierce Corner System utilizes the latest mechanized control technology to increase yields and ultimately, profits.

Using variable frequency drives, Pierce Constant Move synchronizes the speed of the pivot with the corner span, reducing stress as it squares the parcel. Measured water flow from end tower to corner span is achieved by a unique flexible linear slide joint connector.

As the Corner moves through the field, the monitoring and control system determines how much water is required during acceleration or deceleration and adjusts the water application automatically to control under and over watering.

Increased Yields Are



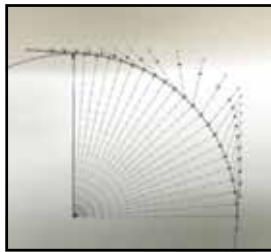
FLEXIBLE LINEAR SLIDE JOINT CONNECTOR

Unlike some other rigid designs on the market, Pierce's unique flexible linear slide design eliminates the unnecessary stresses placed on the end and corner spans as the system moves through the field.



Rugged Construction & Features That Protect

Pierce Corner System allows the user to custom configure the system allowing more of any given parcel to be irrigated.



DRIVE TRAIN ASSEMBLY

The FieldMaster's drive train assembly is specifically designed to meet the challenges of today's longer span lengths. Each component is engineered to deliver the torque requirements demanded by your soil and tire combinations.

Final Drive Features

- Peak torque rated at 75,000 in/lbs
- Dual input, hot-forged steel worm gear
- 2 1/4" output shaft
- Dual input and output seals
- Large input bearings and reinforced housing
- Stainless steel bellows-type expansion chamber



Just Around the Corner



High flotation ag tires are available in multiple sizes allowing for a maximum crop clearance of up 9'6".



CONTROL PANELS

NEMA 4X stainless steel enclosures, programmable logic controller based with LCD operator interfaces.



TOWER BOX

Heavy-duty construction, featuring a non-corrosive cam assembly and adjustable micro switch base.



SPRINKLER OPTIONS

Application of water to best fit your crop needs is critical. That's why Pierce offers the latest in sprinkler packages and end gun options. Products from Nelson®, Senninger®, and Komet® are custom configured to your needs and specifications.

Your Bottom Line



CENTER DRIVE

Hardened helical gear and all-aluminum gear case and motor housing provide years of reliable service. Also included:

- Available ratios 50:1, 40:1, 30:1 and 20:1
- Irrigation duty with 95% efficiency
- Class F insulation

DRIVELINE COUPLER

- Heat-treated aluminum construction, self-aligning design and UV/chemical resistant urethane inserts



HIGH FLotation AG TIRES

Multiple tire options are available to match your span requirements and soil conditions. Available in 11.2 x 24, 14.9 x 24, 16.9 x 24, 11.2 x 38.



Standard Features Others Charge For

- Constant Move End Tower and Corner Span
- Variable Frequency Drive for Motor Control
- Latest PLC Control
- Acceleration/Deceleration Sprinkler Package Optimizes Water Usage
- Buried Wire Guidance
- Unique Linear Slide Mechanism Couples the End Tower to the Corner Span
- 287.5' Maximum Span Length Including Overhang
- Inverter Rated 1.75HP Drive Motors
- Heavy-Duty Drive Train is Corner Rated
- Wide Stance Wheel Base
- 2HP Booster Pump

We invite you to find out more about Pierce-built quality by contacting your nearest Pierce dealer or visiting us online.

Pierce Regional Facilities:

Junction City, OR USA
Boardman, OR USA
Brisbane, Australia
Corowa, Australia

Pierce irrigation systems are operating in the following countries:

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| Argentina | Germany | Puerto Rico |
| Australia | Guatemala | Saudi Arabia |
| Brazil | Honduras | South Africa |
| Canada | India | Tunisia |
| Chile | Libya | Ukraine |
| China | Mexico | USA |
| Egypt | New Zealand | Venezuela |



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