



Mechanized Irrigation Systems



"The Best in its Field"

LINEAR

LINEAR SYSTEMS

Field Optimizing
Irrigation Solutions
for Medium to
Large-Scale
Parcels





Linear Systems

Our engineers have developed a linear employing uniform components. By standardizing the machine's parts, we have simplified assembly and service, creating a more efficient system. Combine this with the most advanced manufacturing methods, parts and electronics, and the result is the Linear—unequaled when it comes to effective and reliable crop irrigation, chemigation and wastewater management... season after season.



Pierce—Engineering



FOUR WHEEL TOUGH

The Pierce Four-Wheel Cart is built to pull. With the largest drive tube available in the industry and its live axle suspension, this cart is capable of handling up to an eight inch hose for high flow requirements.

Rugged Construction & Features That Protect



POWER TRAIN

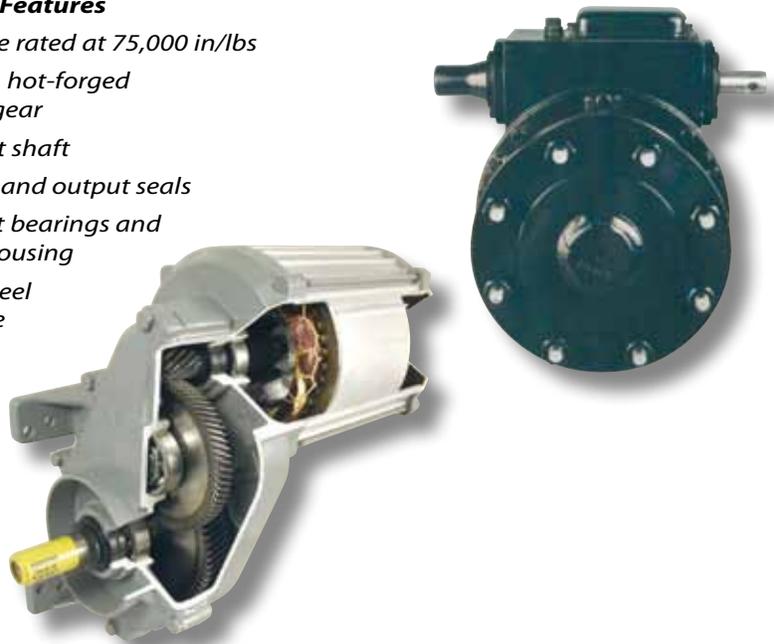
In addition to a wide selection of HP options, Pierce offers GPM and fuel capacity choices as well.

DRIVE TRAIN ASSEMBLY

The Linear'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



Successful Solutions



GUIDANCE SYSTEMS

FURROW • CABLE • BURIED WIRE

Guidance systems feature solid state components for dependability. Buried wire guidance puts you in control, allowing multiple turn rates and wire offset options, while the simplicity of furrow and cable guidance systems make adjustments logical.



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.



Innovative Alternatives



FOUR-WHEEL SWING-AROUND LINEAR

Pierce recognized a need to efficiently swing a 4-wheel cart and put their engineers to work. The hard work yielded the unique Pierce Swing-Around Linear. This novel machine has already proven itself worldwide.



DITCH-SUCTION SYSTEM

As an alternative to conventional water delivery for large acreage parcels, our Ditch Suction System can be custom-designed to meet a variety of applications.



POLY-LINE™

Our poly lined pipe is designed as an alternative to our standard hot-dipped galvanized pipe. POLY-LINE™ combines a tough galvanized exterior with a durable polyethylene liner to eliminate problems caused by acidic, corrosive or saline water.

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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