



Weasler®



Shift productivity into high gear with Weasler custom and specialty gearboxes.

Farmers work hard every day under demanding conditions. And they rely on your equipment to yield maximum productivity — all season long. That's why leading agricultural OEMs around the world trust Weasler Engineering to deliver smart gearbox solutions that optimize the performance of their machines. From application review and on-site field testing to the latest design modeling and prototype analysis, Weasler's experienced engineering team will work with you to develop a specialty or custom gearbox solution for your equipment.

Contact us today at 262.338.2161 or oemsales@weasler.com to discuss how a Weasler custom or specialty gearbox can add value to your machine.

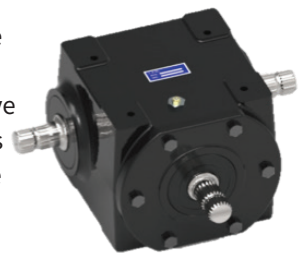
Learn more at weasler.com.

Weasler gearboxes convert the rotational energy supplied by your equipment into the energy level required by the application at the optimal speed and power needed.

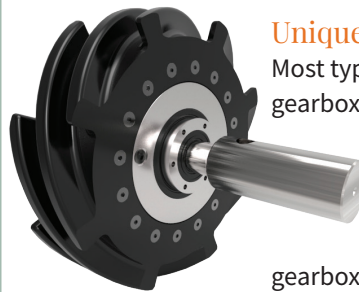
CUSTOM GEARBOXES

Stand Out in Your Field

Our custom gearboxes allow you to differentiate your machines from the competition. Weasler engineers will design and develop a custom drive solution that precisely meets your requirements and offers a mechanical edge to increase torque and deliver consistently better performance for your customers.



SPECIALTY GEARBOXES



Unique Needs Are Our Specialty

Most types of farm machinery require a specialty gearbox solution to optimize their performance.

Certain applications, such as grain bin wheel drives and grain carts, need a unique gearbox design to deliver the results your customers expect. Weasler's specialty gearboxes have been precision designed and rigorously tested to meet your most demanding requirements.

Powering the Ag Industry Worldwide

Weasler Engineering gearboxes help power agricultural equipment around the globe. Our high-efficiency components are widely used in a diverse range of farm machinery applications, including:

Aerators
Fertilizer Spreaders
Grain Augers
Grain Bin Sweeps
Grain Carts

Grain Conveyors
Grain Dryers
Grain Bin Sweep
Wheel Drives
Headers

Incline Augers
Mixers/Feeders
Rotary Hay Rakes
Round Balers
Tillers



Weasler Engineering is home to experienced engineers, innovative design tools, advanced testing protocols, and state-of-the-art manufacturing capabilities. Together, we'll design and deliver the optimal gearbox solution for your application.

Application Review and Field Testing

Design and Verification

A thorough understanding of your needs lays the groundwork for the best drive solution. Weasler's team of engineers are available to review your exact applications and provide on-site field testing. Our processes include:

- Torque/thrust/RPM recording - 5000 Hz (Field Load Cell)
- Strain gauge testing - 2400 Hz radio frequency telemetry
- Thermal imaging
- Field and lab testing capabilities

Gearbox Capabilities

A Full Product Range

Weasler designs and manufactures a complete range of gearbox options:

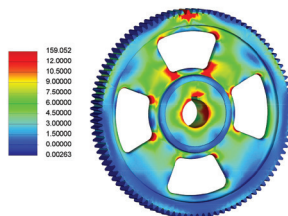
- Bevel
- Parallel shaft
- Chain case
- Spindles
- Worm
- Custom-designed

Design Engineering

Strong Design Tools

Weasler engineers are equipped with the latest design tools to minimize development time and risk, and maximize efficiencies and outcomes.

- 3D Modeling – Pro-E Wildfire
- FEA & motion analysis – Pro-E Wildfire
- Gear software – KISSsoft & PowerGear
- Bearing life software
- 3D printing & rapid prototyping



Manufacturing and Assembly

State-of-the-Art Capabilities

Our in-house processes include:

- Hobbed cutting of splined shafts
- Housing machining
- Induction heat treat
- Grinding
- Assembly benches for 1 pc. flow
- Process optimization and in-process inspection
- Electronic torque control
- Pressure test

Prototype Testing

Testing and Validation

Using an existing dynamometers or a custom-built test stand, we're able to accurately simulate use and verify design. Our capabilities include

- Custom stand fabrication
- Static torque testing up to 100,000 in-lbs
- Axial testing up to 50,000 lbs.
- Dynamometer testing up to 300 HP
- 4-square testing up to 60 HP
- Environmental testing (low temp, salt, dust, etc.)
- Servo-hydraulic fatigue testing up to 30,000 in-lbs
- Thermal imaging



Higher value. Smarter solutions.

Weasler Engineering is a global leader in the manufacture and distribution of mechanical power transmission solutions for all types of agricultural machinery. Our expert team will work with you to design a complete drive system or component to help you and your equipment stand out in the field. **Contact us today at 262.338.2161 or oemsales@weasler.com.**