

**specialists in  
engineered gearbox  
solutions**

# Powered by Custom-Engineering Expertise

For more than a century, Cotta has been a driving force in the design of heavy-duty transmissions. Charles Cotta engineered his breakthrough constant-mesh shifting transmissions in 1906, and soon supplied the emerging automobile and truck industries with main transmissions. Cotta shifted to industrial products and the off-highway vehicle market in the 1940's and then, two decades later, we added a line of high-speed gearboxes.

**Today, Cotta is the premier leading manufacturer of top-quality, precision-engineered gearboxes** for many specialized mobile and stationary applications such as: vocational trucks, defense, off-highway, aerospace, heavy industry, well-drilling, mining, marine and much more.

Cotta designs in accordance with SAE, AGMA, ISO, and API standards to ensure product quality and to support our zero-defect policy. **We have over 2,000 existing product designs available**, plus our experienced engineers and craftsmen can take any new transmission application from concept to delivery at our production facility here in Beloit, WI.

**You don't have to be a gearbox expert with Cotta as your source.** Whether you need a standard, modified standard, or a completely new design, our engineering team will work with you to meet your specific requirements, effectively and efficiently. Cotta's engineers and designers work with our customers to develop solutions, and then deliver drawings in virtually any CAD format to drop into the customer's own design.

**High-performance products.**

**Collaborative team of experts.**

**Solving problems and exceeding expectations.**

**We are Cotta.**





**Built to provide you with years of service, Cotta high-speed gearboxes are built in a variety of standard and customized designs.**

Cotta manufactures uniquely-designed, high-speed gearboxes that are widely used in R&D and production test stands for automotive and aerospace components, such as generators, constant-speed drives and pumps. Our high-speed gearboxes are also applicable to use for speed management in many non-aviation, industrial applications – from turbine reduction gears to centrifugal driers, to numerous other instances where a highly-specialized, powerful and reliable solution like our high-speed gearbox is needed.

**Cotta's long tradition of manufacturing the highest-quality gearboxes is exemplified in our extensive line of speed reducers and increasers.**

Cotta speed reducers and increasers will match the optimum engine speed to the optimum driven equipment speed, allowing your engine and your load to operate at ideal efficiency. Our heavy-duty gearboxes are designed for use with modern commercial diesel engines from major OEMs. If a pre-designed unit doesn't fit what you need, then our engineering team will create a custom solution specifically for your application.

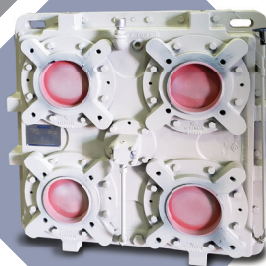
**Our high-capacity pump drives are constructed to provide the competitive edge needed to meet your most demanding of pumping challenges.**

Cotta pump drives provide a wide range of horsepower, and include extra-wide pump spacing to ensure easy maintenance. Our engineers at Cotta have been designing heavy-duty pump drives for many decades, so we can offer hundreds of proprietary designs to best match your power equipment requirements.

**Our dependable and versatile transfer cases are the choice to convert your truck engine power for a wide range of onsite work capabilities.**

Our heavy-duty transfer cases are optimized for vocational truck, custom chassis, well drilling, oil field service, and specialty truck applications. They offer modular concepts that help minimize your inventory and maximize application flexibility.

**All Cotta products are built to withstand the daily grind of prolonged operation, to work in the most extreme of environmental conditions.**



### **Customizing gearbox solutions for over 50 years.**

Cotta engineers will concept and design a specific gearbox for your application. Advanced design capabilities, such as rotor dynamics studies, establish our position as a truly complete transmission and gearbox supplier. Our custom transmissions and gearboxes are offered in both standard speed and high-speed designs. We combine our decades of prior experience with forward thinking to provide the exact product or service you require.

### **We offer expert remanufacturing and repair of your Cotta gearbox.**

Our service process begins with a thorough inspection, cleaning and complete evaluation. Then after our diagnosis, only Genuine Cotta Parts are used as replacements during our reassembly. Your finished transmission is then carefully tested to the same standards as new manufacturing specifications and it is fully supported by our factory warranty. For information on how we can meet your need, please contact us.

### **Genuine Cotta Parts are designed to our exact standards, tolerances and OEM specifications.**

Therefore, they will fit perfectly and work optimally in your Cotta brand of equipment. We maintain an extensive inventory of standard service parts, and any non-stock parts are made to order in our factory here at Cotta. We offer an expedited processing service as well, reducing your lead time. We make it very simple to find the part you need – just provide Cotta with the Stock List Number (P/N) or serial number on your transmission's nameplate, so we can match it to a correct Bill of Materials.



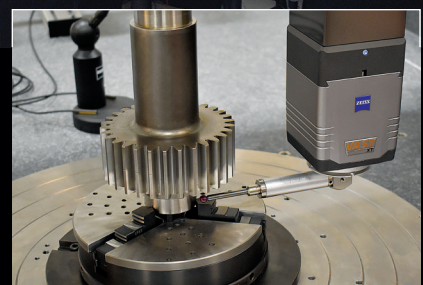
### **State-of-the-Art Testing Facility**

Cotta has earned our reputation as a preferred high-performance gearbox supplier by consistently improving our current products while developing new innovative ones. We comprehensively monitor the quality of all internal processes. First-piece inspection is conducted on every machining sequence, starting at the source to support our zero-defect policy, and then we assemble and test every product shipped from our plant.

**To further enhance these capabilities, we invested in a state-of-the-art gearbox test facility that includes three programmable cells for High-Speed, Low-Speed, and Special Purpose Testing.**

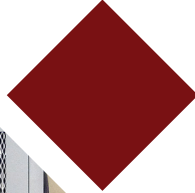
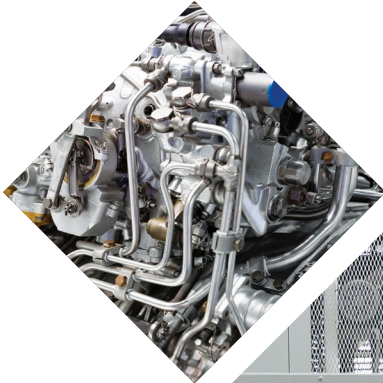
Our onsite test lab is just one more reason why customers choose to work with us.

**Schedule a visit to Cotta and see it!**





# Market Applications



We provide our customers with engineered gearbox solutions.

Cotta's complete product line supports a wide variety of industries and applications, where demanding performance is required under the most extreme working conditions and challenging environments. Where no excuses are allowed, it's just time to get the job done.

- ◆ High-Speed Test Stands
- ◆ Vocational
- ◆ Oil & Gas
- ◆ Construction & Mining
- ◆ Industrial Facilities & Maintenance

A Cotta gearbox that is crafted to meet your specific needs is one of the most reliable, durable, and powerful products available in our industry.

**We take great pride and care in designing a gearbox... your gearbox.** We work together to discover your specific needs, or uncover the issues causing problems, and drive ourselves hard to design the best possible high-speed gearbox, speed increaser or reducer, pump drive, or custom product that your situation requires.

**Cotta. It's Your Gearbox.**



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