

# The New and Improved *powertransmission.com*



You may have noticed that we've spiffed up the website a bit. A clean, modern look was just the beginning, however. Our goal was to get you more quickly to the information you need.

We know you're busy. We also know you constantly need information about the latest technology. You're involved with specifying gears, bearings, motors, gearboxes and other mechanical power transmission components. So when you need that information, you need it now.

Our website has always been designed around the Buyers Guide—and helping you find the right suppliers is just as important to us today as it has been since *powertransmission.com* was launched in 1997. In fact, all of the Buyers Guide main categories and premium listing suppliers are available directly via the home page.

But over the past six years, we've accumulated a lot of great content in our magazine, and we needed a better way to help you find it. So one of the most significant changes we made was a complete revamping of our site search engine. Now all those articles in our archive are tied to the search engine via keywords. So if you want to see everything we have on gears, just type "gears" into the search engine and see what comes up.

We also recognize that the website and magazine go hand in hand, and that their tools are best used together. So important updates to the website will always be featured on our **PTE**Extras page (page 4). More importantly, when we run articles in the magazine, we'll do our best to point you toward related articles online. Just look for the search symbol throughout the magazine. It'll tell you just how to find what you're looking for.

This issue we've put together a great lineup of articles for you. Our focus on gears and gear drives includes a product focus (p. 20), a feature article by Associate Editor Matt Jaster on gear design software (p. 25), and a technical article by David Conrad of Master Power Transmission on the importance of the gearbox when calculating overall system efficiency. Our

industry spotlight on off-highway equipment includes articles from Thomson Actuators (p. 12) and Bosch-Rexroth (p. 30).

Also, we're pleased to present part one of a two-part series on the history and metallurgy of bearing steels (p.40). The article is written by Erv Zaretsky, one of the world's foremost authorities on bearings. We also have a follow-up to last issue's "Ask the Expert" column on ball screw sizing (p. 35) and Brian Langenberg's latest "Market Update" with his usual actionable insight about the global industrial economy (p. 8).

Finally, we hope you'll take the time to read our preview of Hannover Messe (p. 50), which takes place April 8-12 in Hannover, Germany. If you've never been to the show, it's an amazing collection of technology from the world's leading manufacturers. This year's show includes a pavilion dedicated to motion, drives and automation, and there will be plenty to see for buyers of mechanical power transmission components. Both Matt Jaster and Dave Friedman from our staff will be attending the show this year, so if you're going to the show, maybe you'll run into them over there. But if not, you can look forward to their follow-up coverage in the coming issues. **PTE**

P.S. We'd love to hear from you about what you think of our changes - both in the magazine and online. Please drop us a line at [publisher@powertransmission.com](mailto:publisher@powertransmission.com) to give us your feedback.

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