

Free Knowledge Served Daily

Technical articles have been the hallmark of *Gear Technology* since we first started publishing, more than 34 years ago, in 1984. One of the achievements I'm most proud of is the development of the **GT LIBRARY** at geartechnology.com, where you can find every single one of those articles, going all the way back to the beginning.

In those early days, magazines were produced mechanically. Pages were printed from film, not digital files. The PDF didn't even exist. So, in order to make all our content available to you, we had to go back into our archives and scan the old issues. We had to create separate files for each article, tag the articles with keywords and enter them in a database. Then we built a search engine to help you find those articles.

Sure, at most of your companies there's probably some grizzled veteran who has every issue of *Gear Technology* on a shelf somewhere. Maybe he's even nice enough to let you browse through his collection (as long as you put everything back where it was). But if you're looking for something on a specific topic, it's a lot easier to go to the website and just type in "carburetor" or "bevel gear grinding."

Building the **GT LIBRARY** took a lot of work over several years, but it was worth it.

One of the reasons I'm most proud of that work is that we did it without any regard for financial gain. It was our gift to the industry—a repository of knowledge that is accessible to everyone, for free, anytime they want it. You can download any of our articles any time you want. And the only thing we get from those downloads is the satisfaction of having served the industry.

For me, that's always been enough.

In fact, that's the main reason I started *Gear Technology* in the first place. I saw a lot of really good technical content being produced, all over the world, on the subject of gears. Unfortunately, that content was only made available to a tiny, select few: those who attended the technical conferences where they were presented. None of that information was ever widely disseminated, at least not until we came along. We've always tried to choose the best of what was presented around the world and bring it to you.

That tradition continues with this issue as well. We have articles from several authors whose contributions to the knowledge base of the gear industry spans decades. They're some of the most prolific researchers and developers of the technology all of you rely upon. So don't miss out on any of these:



Publisher & Editor-in-Chief
Michael Goldstein

- **The Influence of a Grinding Notch on the Gear Bending Strength Rating**, by Dr. Ulrich Kissling and Ioannis Zotos (p. 64)
- **PentacMono-RT: High-Performance Face Milling Cutter Heads**, by Dr. Hermann J. Stadtfeld (p. 74)
- **Full Contact Analysis vs. Standard Load Capacity Calculation for Cylindrical Gears**, by Dr. Michael Otto, Uwe Weinberger and Dr. Karsten Stahl (p. 84)

In addition to all of our technical content, we also do our best to bring you the type of practical information you can use. This issue is also our annual Buyers Guide issue, so if you're looking for a supplier in the gear industry, your search starts on page 44.

On top of all that, our editors are always talking to the providers of technology in our industry, and you can read their articles to find out about the latest trends in grinding wheels (p.22) and gear steel (p.34) in this issue.

We're proud to be "The Gear Industry's Information Source" as well as its public library, and we're going to continue building on the industry's library of knowledge as long as we're able.

But we need your help. Although you don't need a library card to access the **GT LIBRARY**, we do need you to check in once in a while—and by that I mean we need you to subscribe. The only way we're able to do all of this is with the support of our advertisers, and the only reason they're willing to provide that support is because they know we're reaching the gear industry.

So even if you think you've already done so recently, please go to www.geartechnology.com/subscribe.htm and fill out the form. For most of you, all you have to do is enter your e-mail address and confirm the information that's already in our system. Give us 15 seconds, and we'll give you two years.

It's really important that you do so right away, because your help will allow us to keep the **GT LIBRARY** open and free forever.