

Featured Company: Beiter Moldmaking

European Moldmaker: “We Love Meta-Lax!”

Beiter Moldmaking in Sigmaringendorf, Germany, manufactures highly precise molds for the European automotive industry. Specifically, Beiter specializes in making molds with mirror-finished sculptured surfaces used for production of vehicle headlights.

Understandably, large injection molding dies, such as Beiter’s, are especially susceptible to hardening cracks. In these large molds, thick and filigree mold parts are situated very close to each other. During the hardening process, the filigree, or very thin walled sections cool off much faster than the thicker walls of the mold. Consequently, stresses build up which can result in hardness cracks and in some cases can lead to an explosive unloading and splitting of the mold. The mold is then completely destroyed and financial loss is tremendous.

Prior to using Meta-Lax, Beiter tried several different methods during each working step to reduce, if not eliminate hardness stresses, but most were expensive and time consuming. In search of some solution to costly cracking problems, August Beiter came across the Meta-Lax stress relief process during a business trip to a company in the United States.

Impressed by the results he saw there, Beiter soon ordered a Meta-Lax system for his own shop of 60 employees. As the first European user of Meta-Lax, Beiter Moldmaking has had continued success with the process for almost three years. “Since we began implementing the Meta-Lax process, no more hardness cracks have appeared,” reported Beiter.

“The most important parts of a mold are the hardened mold plates and cores,” Beiter explained. “Before using Meta-Lax, hardness cracks could not be



Specialty automotive headlight mirror-finished molds stress relieved with Meta-Lax have eliminated hardness cracking.

repaired in time for delivery. Renewed material purchasing and double production of molding parts caused tremendous financial losses.”

“Just the trouble with customers due to the appearing of hardness cracks is reason enough to think about using a Meta-Lax stress relief system, which for us guarantees satisfied customers and a high quality product,” stated Beiter.

Convinced of its effectiveness, Beiter warmly recommends Meta-Lax to colleagues. **“We love Meta-Lax!** A mold treated with Meta-Lax is more valuable because in production, it is safer.”

Thanks to Meta-Lax, Beiter’s demanding customers think even more highly of Beiter molds and rely on the efficiency and extended life Beiter products now provide.

Article was Customer Approved Prior to Initial Publication.
Published Article Appeared in: Meta-Lax Facts Volume 8, No. 1.