

■ *Xtek: Exact Technology*

From our beginnings in 1909 until today, Xtek has been recognized for its total command of the full spectrum of metal hardening technologies. In particular, the proprietary TSP carburizing process has gained acclaim as the premier method for imparting optimum wear and strength characteristics to heavily loaded gear teeth. This method of heat treating far surpasses induction hardening, flame hardening and nitriding in terms of strength, durability and wearability — producing the ultimate in long lasting products for heavy industry.

In recent years, Xtek's rivals have made attempts to catch up by adopting carburizing processes developed elsewhere, but Xtek's continuously improving TSP method, which utilizes the most advanced statistical process controls, has kept Xtek carburized gearing at the leading edge of heat treating technology.

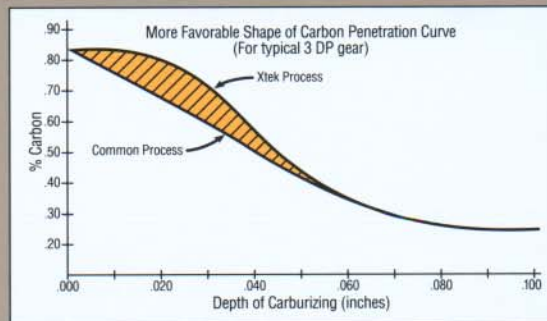
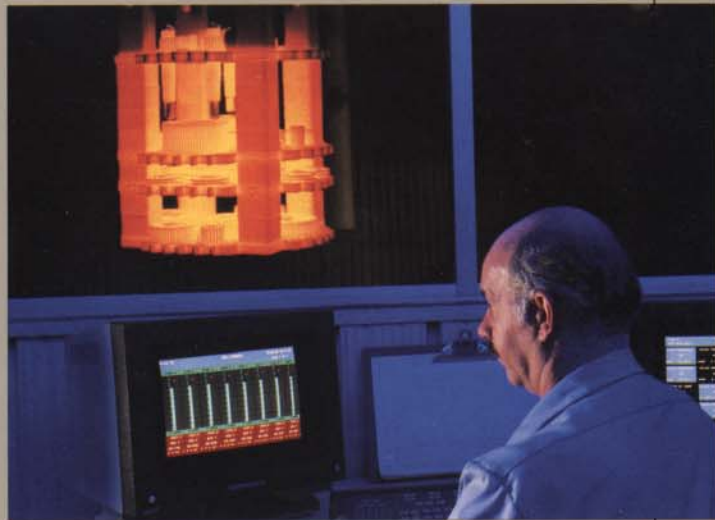
But it's not only carburized gearing where Xtek excels. The Company's broad range of experience and superior heat treat process control gives Xtek a distinct advantage in producing the kind of quality gearing most in demand by major industries around the world. By applying the best heat treating technology available, Xtek has always been able to satisfy the individual in-service demands of a customer's application.

XTEK CONTROL. Xtek's controlled atmosphere furnaces, which utilize three-gas analyzing equipment and centralized computer controls, are the most advanced and accurate in the business. Most companies can only control one of the critical gasses employed in carburizing,

while Xtek's system actively monitors and controls the three most important ones. What this means to Xtek's customers is a deeper, more uniform case — time after time.

XTEK VERSATILITY. Xtek can heat treat many different alloy steels with one of several different processes to ensure the right part for any specific application. Xtek process metallurgists pride themselves on designing the perfect match between application needs and heat treat processing solutions.

XTEK PEOPLE. The shared experience of our metallurgists, engineers and heat treat technicians totals many centuries. That kind of experience, combined with state-of-the-art technology and a total commitment to quality, makes Xtek the number one choice for all your gearing needs.



This graph represents the improved sub-surface carbon distribution achieved during the Xtek carburization process. This difference equates to improved compressive stresses resulting in greater strength and durability of the gear teeth.



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