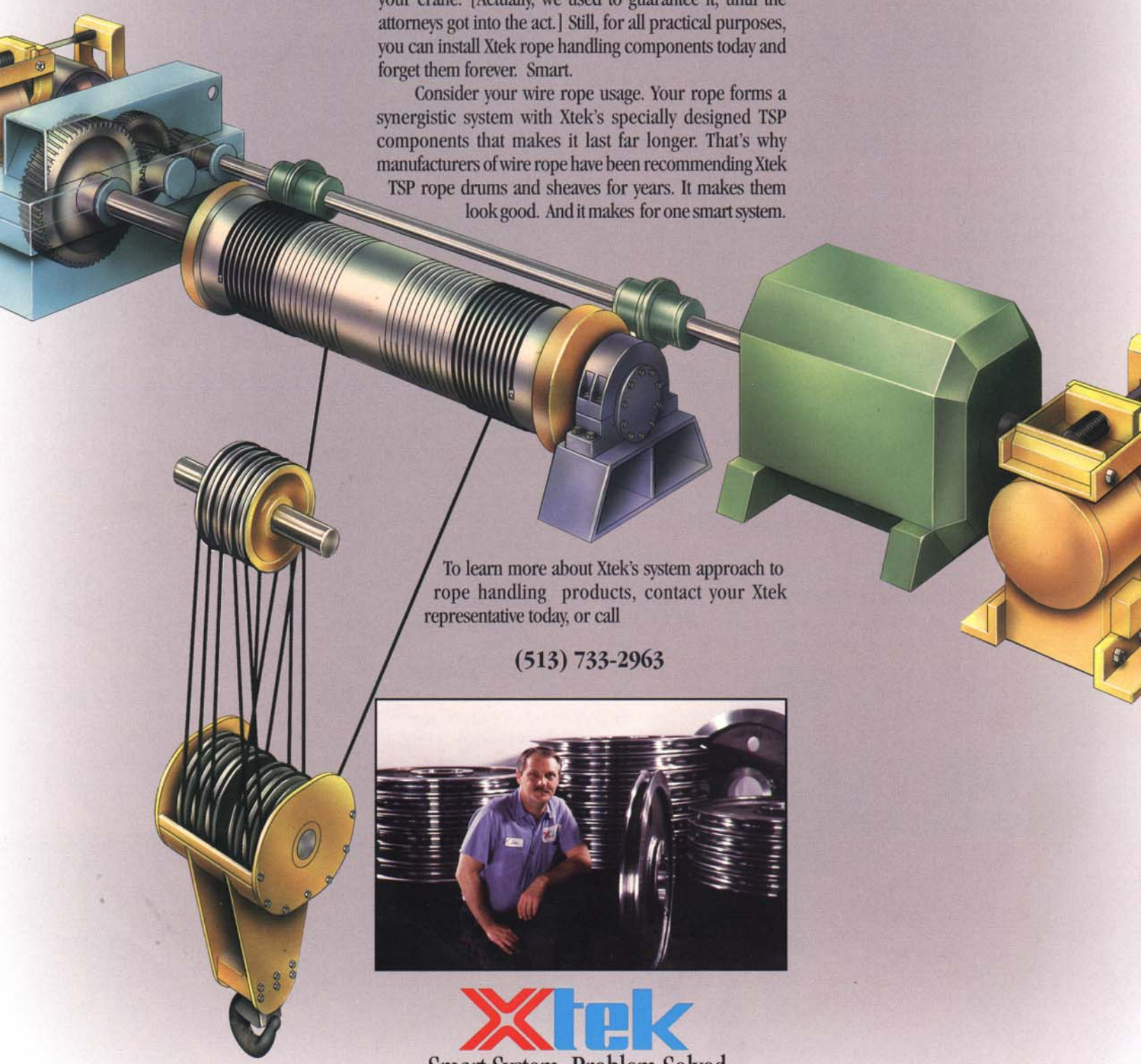


# Smart System.

## Xtek TSP™ Rope Handling Components

If you've ever had to replace a rope drum or sheave wheel on an overhead crane, that may have been once too often. It's an occurrence that would be considered an anomaly by Xtek. You see, it's not at all uncommon for an Xtek TSP carburized rope drum to last for the life of your crane. [Actually, we used to guarantee it, until the attorneys got into the act.] Still, for all practical purposes, you can install Xtek rope handling components today and forget them forever. Smart.

Consider your wire rope usage. Your rope forms a synergistic system with Xtek's specially designed TSP components that makes it last far longer. That's why manufacturers of wire rope have been recommending Xtek TSP rope drums and sheaves for years. It makes them look good. And it makes for one smart system.



To learn more about Xtek's system approach to rope handling products, contact your Xtek representative today, or call

(513) 733-2963



# Xtek

Smart System. Problem Solved.

11451 Reading Road • Cincinnati, Ohio 45241 • <http://www.xtek.com>

# If We Could TSP™ Carburize Your Entire Plant... The Purchasing Department Would Be Out Of A Job.



## TSP Carburizing & Hardening

TSP is a proprietary carburizing process that imparts an extremely hard (60Rc), wear resistant finish to the surface of a ductile, shock absorbent core. When this technology is applied to wire rope handling components, they assume powerful characteristics that counter the forces of rope strand imprinting and side-pulling which cause premature wear throughout the system. In fact, Xtek TSP components actually

become polished with continued use, reducing friction and dramatically prolonging wire rope life.

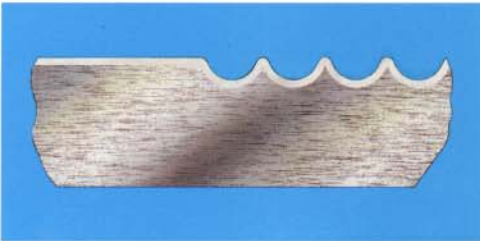
Xtek has built its reputation by consistently selecting the perfect heat treating technology for a given application — and for tough duty crane applications — TSP carburizing and hardening has proven ideal, both in the laboratory and in practice. Crush tests, bending fatigue tests, wear and toughness tests, plus years of empirical evidence, have proven TSP rope drums and sheave wheels superior to those produced by any other method.

## Synergy Between Technology And Design

Advanced metallurgy and special design features work together to multiply the effectiveness of Xtek crane components. The tough inner core beneath the grooves of Xtek TSP rope drums and sheaves resists breakage caused by flexing and side-swinging loads, which are a fact of life in any busy plant. The high surface hardness of Xtek's Smart System components virtually eliminates the corrugation patterns which cut short the life of wire ropes. And, rope clamping problems vanish with the improvements made in the mechanical design of Xtek rope drums.

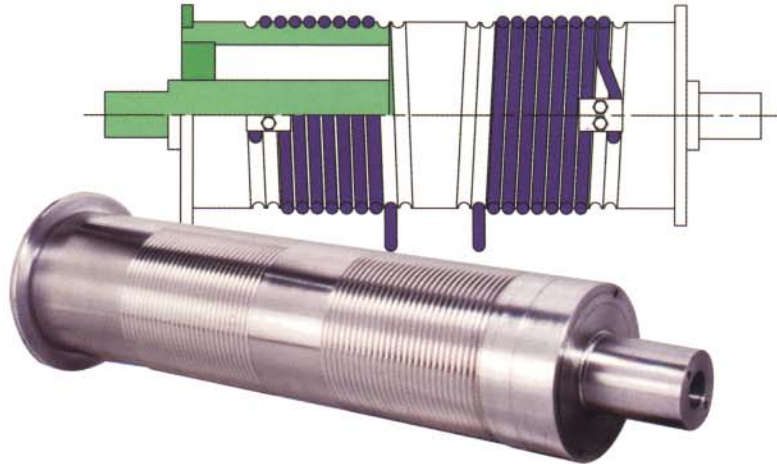
## Xtek TSP Carburized Rope Drums

Every TSP rope drum benefits from the application of Xtek's proprietary carburizing process to all surfaces where metal comes in contact with metal.



All Xtek drums are — by design — more robust and rigid, featuring: one piece through shafts, longer end hubs that are interference fitted and welded. And don't

forget, your new Xtek TSP rope drum will likely be the last you'll ever need. We can [almost] guarantee it.



## Xtek TSP Sheave Wheels

Xtek's TSP sheave wheels provide the perfect complement to long wearing TSP rope drums. Maximum resistance to surface stresses, wire rope corrugation and abrasion are achieved by the application of TSP carburization to sheaves manufactured from high quality steels. Xtek durability, reliability and safety are built into every TSP sheave wheel, providing substantial savings in replacement component costs, maintenance and downtime.

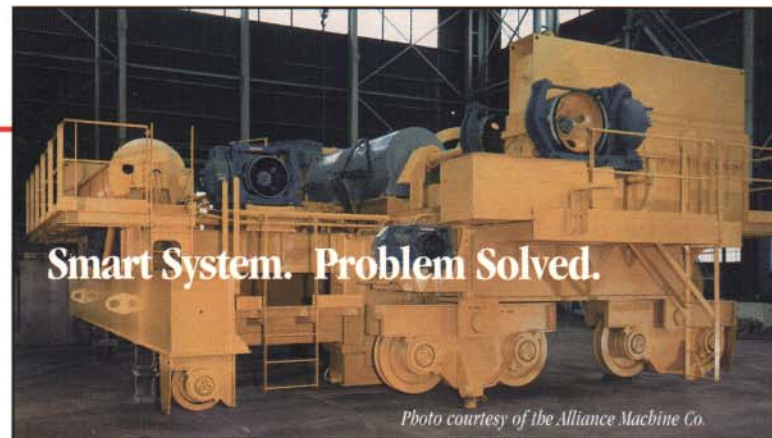


*Competitor's wheel (left) showing severe corrugation after a few month's service. An Xtek sheave wheel (right) still on the job after 3 years in the same application.*

## Performance

Endorsed by many manufacturers of wire rope for its startling effect on the longevity of their products, Xtek's Smart System of rope handling products is a proven way to upgrade the operation and maintenance of any overhead crane. Interchangeable with OEM components, Xtek wire rope handling components are TSP — Tough. Strong. Practical.

For crane operation and maintenance people, no combination of components offers more peace of mind. Install Xtek TSP rope drums and sheaves? Operate trouble free for years? Reduce wire rope expenses? You bet. Smart.



**Smart System. Problem Solved.**

*Photo courtesy of the Alliance Machine Co.*

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