

Coal fired power plants utilize a soot blower to remove the soot that is deposited on the furnace tubes of a boiler during the combustion / burning process. Soot blowers force compressed air and steam through a chain driven retractable hollow lance into the boiler tubes. The retractable lance will remove any soot, ash or slug accumulated in the tubes. If these accumulations are not removed, a reduced heat transfer and increase in the tube metal temperatures will occur leading to failure of the tubes. In some instances, the increased metal temperatures can lead to boiler fires.

The high humidity in soot blowers presents a tough environment leading to premature corrosion and wear of the chain. However, the combined strength of carbon steel chain and corrosion resistance of Tsubaki Neptune® Chain is the perfect fit to ensure you're getting the most out of your chain.



## Neptune® Chain Advantages:

- **Corrosion Resistant:** Special corrosion resistant coating provides improved corrosion protection resulting in reduced wear elongation.
- **Strength:** Unlike current chains being used, Tsubaki Neptune® chain utilizes all heavy link plates providing an even stronger chain compared to Stainless Steel.
- **Side Plates:** Neptune chain utilizes straight side bars allowing for even distribution of load weight in turn leading to improved wear life over current chain.



We have the perfect solution for you. In fact, put our chain to the test, we dare you!



## *KEEP YOUR NEPTUNE CHAIN RUNNING LONGER WITH OUR FULL LINE-UP OF COMPLIMENTARY PRODUCTS FOR SOOT BLOWER APPLICATIONS*

### **U.S. TSUBAKI SPROCKETS**

Our sprockets are manufactured from top-grade, heat treated steel to withstand heavy shock loading, resist abrasion, and provide long service life. Precision Manufacturing ensures that every U.S. Tsubaki sprocket stands up to critical design specifications and meets the highest quality standards. You get long service life and reliable performance, turn after turn, time after time.



### **U.S. TSUBAKI SMART TOOTH™ WEAR INDICATOR SPROCKET**

U.S. TSUBAKI SMART TOOTH™ sprockets offer the ability to identify and schedule drive system maintenance before critical component failure occurs. Strategic placement of our patented Wear Indicator pins on one or more sprocket teeth provides visual indication that a sprocket is still within the allowable wear tolerance, or that it needs to be replaced. When factoring in the cost of critical drive system components, implementation of Tsubaki Wear Indicator Technology makes sense for applications that are driven by capital equipment, or where non-scheduled downtime is simply not acceptable.



### **UNIFLEX ADVANCED CABLE CARRIER**

When application travel exceeds the self-supporting length of the carrier, UNIFLEX Advanced carrier systems are designed to glide on themselves in a guide channel. It is a cost effective, light, quiet cable carrier with an internal noise dampening system. The UNIFLEX Advanced cable carrier can be used in a wide range of applications due to its flexibility; offering many separation options, designs with inward or outward opening frame-stays and a robust, double stroke system for long unsupported lengths.

