

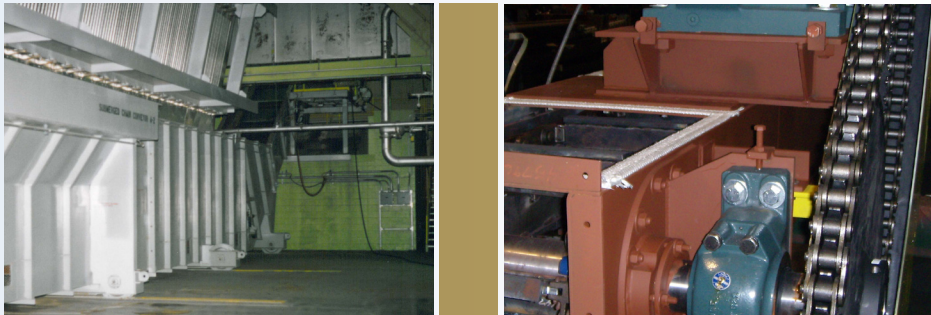
ASH HANDLING SYSTEMS

Customized, Efficient and Reliable Ash Handling Solutions

TLT-Babcock's mechanical conveyor systems bring simplicity, reliability and significant cost savings to utility and industrial furnace ash removal operations. Regardless of the solid fuel being burned, TLT-Babcock can design and build the most cost-effective and reliable ash handling systems available.

Submerged Chain Conveyors

TLT-Babcock's Submerged Chain Conveyors can be applied to pulverized coal fired boilers, cyclone fired boilers, Integrated Gasification Combined Cycle (IGCC) units, and stoker fired boilers.



Features and Benefits

- Various capacities to handle a wide range of generation rates, unit availability over 99%
- Collects, quenches, and dewateres furnace ash for direct disposal
- Eliminates the need for ash dewatering bins or ash settling ponds
- Continuous operation, low power consumption and low water consumption
- Custom design, optimized for furnace configuration, minimal field assembly required
- May be supported on travel wheels to permit quick, unobstructed access into furnace throat
- Long life, abrasion resistant components, few spare parts necessary
- Maintenance friendly, simple operation
- Can receive economizer ash and pyrites eliminating storage and unloading equipment for same
- Retrofit existing water-impounded ash hopper and sluice system to improve personnel safety, eliminate high maintenance, lower parasitic power consumption and avoid higher capital expenditures with in-kind replacement of crushers, piping & dewatering bins



TLT-BABCOCK
A New York Blower Company

260 Springside Dr. Akron, OH 44333
800.876.8582 • www.tltbabcock.com

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Dry Ash Chain Conveyors

TLT-Babcock's dry ash chain conveyors collect and transfer hot dry ash from circulating fluid bed boilers, PC fired boiler back-pass, economizer, air heater, and precipitator/baghouse hoppers.

Features and Benefits

- Various capacities to handle a wide range of generation rates
- Single and twin chain strands, designs available for steep incline conveying
- Gas-tight/low leakage construction
- Designs available for handling large particles
- Self-feeding designs available to eliminate material flooding at inlets
- Continuous operation, low power consumption
- Long life, abrasion resistant components, few spare parts necessary
- Minimal field assembly required, maintenance friendly and simple operation
- Retrofit existing high maintenance pneumatic systems

Complete Ash Handling Systems

TLT-Babcock understands the advantage of single sourcing and offers complete systems, including:

- Pyrites collection and sluice systems
- Closed loop cooling and water recirculation systems
- Furnace transition chutes
- Downstream ash conveyors, clinker grinders and interconnecting chutes
- Control Systems
- Structural steel supports and platforms
- Hopper isolation gates, expansion joints and airlock valves
- Economizer ash sluice systems
- Storage silos, tanks, and associated wet or dry unloading systems

TLT-Babcock also offers dedicated, around-the-clock field service support with a team of highly qualified service engineers for erection consultation, start-up support and emergency troubleshooting.

TLT-Babcock - Engineered to Order

As a pioneer in heavy-duty air handling equipment, TLT-Babcock specializes in offering custom-engineered designs to provide reliable, low maintenance equipment that optimizes a plant's performance.

Our team of highly experienced engineers and project managers have a reputation for innovative thinking and design and are completely accessible and responsive to you. Don't live with fan problems, for 24-7 support call 1.800.876.8582.



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