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# Power





The demand for reliability in the power industry is simple. The plant needs the system to be consistently reliable to produce power all the time. At DMW, we design our systems to withstand the affects of time, weather, and harsh operating conditions. On each system we take into account the current state of the industry and technical specifications. Our large project base allows us to utilize past experiences to ensure your project is a success. This is called true experience.

Our engineers have experience in coal handling, biomass, petroleum coke, limestone, gypsum, fly ash and bottom ash. We work with experienced vendors who are attentive to the project. After careful consideration and review we create an optimal design for your needs. We integrate auxiliary systems such as dust collection and suppression systems, weighing and sampling systems, complete protection and control systems, as well as fire protection and lighting. Some of these auxiliary systems are sometimes missed by others in the industry but our engineers are trained to know what is required.

Our objective is to assure our customers get a complete reliable system every time. When you push the start button it is going to work and work reliably for many years. We have spent 60 years developing this expertise. We evaluate each job to determine the exact type of machine and capacity needed for the material in question. We value engineer each and every job. We then arrive at the optimal design and associated budget for each project.

Our service and dedication to the project do not disappear once the project is commissioned. We provide service and spare parts assistance for all of our projects and customers. Our spare parts group is available full time and has the depth of skill to assure that the right part is being procured for the application.

## Our Products

Utilizing innovative technologies and designs we are able to optimize the use of our products. We are committed to providing products that are reliable and maximize long-term maintainability. We keep an open mind when determining the best products for the project requirements.

One product setting us apart from the rest is the pipe conveyor. It has proven valuable in moving materials long distances, over difficult terrain, and negotiating demanding curves and inclines. There are environmental benefits as well due to the reduction of dust being released into the air.

The products we offer include:

- Belt Conveyors
- Belt Feeders
- Rotary Plow Feeders
- Telescopic Chutes
- Storage Facilities
- Trippers
- Truck Dump
- Stackers/Reclaimers
- Ship Loading/Unloading
- Train Loading/Unloading
- Tubular Galleries
- Gates
- Pipe Conveyors



## Our Capabilities

### Coal & Petroleum Coke

DMW has vast experience in handling all raw and waste materials for new boiler additions or retrofits. Our capabilities include unloading, storage, blending, and reclaim systems. Some of our storage systems involve domes and silos. A series of belt conveyors are used to transport the material for crushing to size and then to the boiler house for firing. We determine the best solution for storage, blending, and reclaim configurations to optimize capital and operating costs.

### Flue Gas Desulfurization

DMW handles the incoming limestone from unloading facilities such as barge, truck, or rail. We evaluate each plant based on logistical advantages in order to determine the system that best fits the application. We have special products that provide an advantage in some cases such as the pipe conveyor and rotary plow feeder for reclaiming. Using the right product for the right application is always a better long term fit for the plant.

### Biomass

Biomass can be used to develop power through processes such as gasification, direct combustion, and conversion to liquid fuels. DMW provides solutions for material handling in each scenario. The changing times in the industry call for experts in handling difficult and fragile chips or pelletized fuel. Our team has the experience needed to ensure your project is a success. Our expertise includes the conveying of wood chips, bark, and other waste materials and examination of how to store and reclaim these materials.

### Ash & Gypsum Disposal

The combined cost of trucking gypsum and fly ash to landfills can be very costly. For this reason, DMW has installed many pipe conveyor systems for disposal of these products to offsite landfills or barge loading docks. Using a pipe conveyor to negotiate difficult terrain makes conveying more economical for long distances. The power cost per ton to convey with a pipe conveyor and the associated yearly maintenance costs are a fraction of the cost of more traditional systems.

### Cogeneration

Large plants periodically upgrade their power generation capabilities to have the ability to generate enough steam for their processes. Building substantial power generation capabilities to "cogenerate" both power and steam can be profitable as many of our clients have determined. DMW has engineered many such systems to handle coal, petroleum coke and the associated materials including limestone, gypsum and ash. In many cases we install a rail unloader to unload coal and limestone, storage systems such as a dome to store the coal, stacker reclaimer inside the dome to reclaim the coal, and conveying and crushing systems to process the coal before burning.