

DynaFeeder® Ram Fuel Feeder

VØLUND® SYSTEMS TECHNOLOGY

Feeding of waste onto the combustion grate of a waste-to-energy plant must be continuous and adapted to the grate's transport capacity. The DynaFeeder® fuel feeder from Babcock & Wilcox Renewable (B&W) provides a continual and even fuel layer across the entire DynaGrate® combustion grate for steady energy output and maximum efficiency.

The continuous, slow movement of the DynaFeeder is readily adaptable to changes in energy production and combustion requirements. Our DynaFeeder fuel feeder features innovative designs to improve performance, lengthen time between normal maintenance and reduce unplanned outages.

Steady energy output

Reduced maintenance

Service feeder ram during operation



High availability

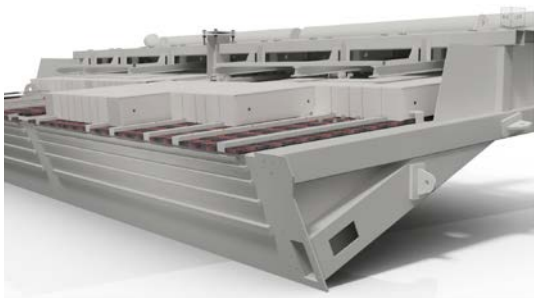
Maximum efficiency



Features

- Feeder rams can be taken offline one at a time while the others remain in operation, enabling replacement and maintenance of hydraulic cylinders without shutting down the plant.
- Wide feeder rams reduce the number of hydraulic cylinders, reducing the overall costs for the hydraulic system.
- Air-cooled feeder rams minimize wear and tear of the rams.
- Changeable wear plates cover the front and top of the feeder rams, lowering maintenance costs.
- Hydraulic cylinders are located outside the main fuel feeder mechanism to avoid heat exposure and increase the lifetime of the cylinders.
- External manual central lubrication is included as a standard feature (automatic lubrication is available as an option).
- Scrapers on top of the feeder rams prevent fine-grained waste from being dragged back and deposited behind the rams, reducing maintenance of the rams.
- Cooling air pipes with cast wear bushings minimize maintenance.

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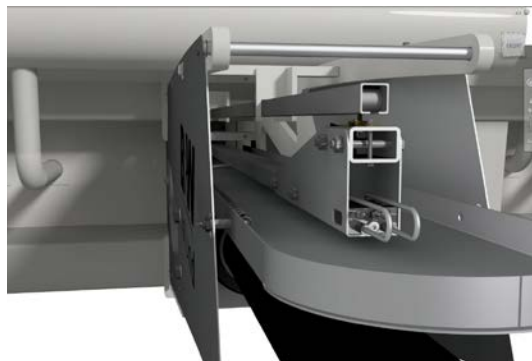
Changeable wear plates on feeder rams lower maintenance costs



Hydraulic cylinder location outside feeder mechanism avoids exposure to heat



Feeder scrapers inhibit waste buildup behind rams



External manual central lubrication included as standard (automatic lubrication is optional)



Cooling air pipes with cast wear bushings for reduced maintenance



The DynaFeeder fuel feeder is available for new boiler installations or as a retrofit upgrade on existing units.

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