



**Messersmith**

Industrial Biomass Boiler System





## TECHNOLOGY AT WORK FOR YOU

The Messersmith traveling auger pulls fuel from the storage bin onto a conveyor which leads to the metering bin.

The metering auger conveys fuel from this bin to the stoker auger. The speed of the metering auger varies to control the boiler output. Our systems allow a 10:1 turn down ratio.

The stoker auger quickly moves the fuel onto the specially designed grates in the combustor to be burned.

**Save money on fuel costs while investing in your local economy!**





# INNOVATION IN ENERGY SYSTEMS

You can burn biomass fuels such as wood chips, sawdust, whole tree chips or other clean biomass with moisture contents from 3% to 50+%. High combustion temperatures and PLC control of combustion air results in clean, efficient combustion with low emissions and only a small amount of ash.

Messersmith Biomass Boiler Systems are able to deliver hot water, as well as low or high pressure steam. If there is a need for power generation, we can provide a combined heat and power system solution to fit your needs.

## The Messersmith control panel automatically:

- Responds to the heat load on the boiler by varying fuel feed and combustion air supply.
- Maintains a pilot burn when there is little or no heat load.
- Controls and monitors the operation of fuel handling equipment.
- Protects motors from overload and the boiler from low water conditions.
- Communicates with building Direct Digital Control Systems.
- Allows Messersmith technicians to remotely troubleshoot your system.
- Allows boiler operators to remotely monitor the system.

## Biomass System Safety features:

- Two stage fire prevention system.

## Options:

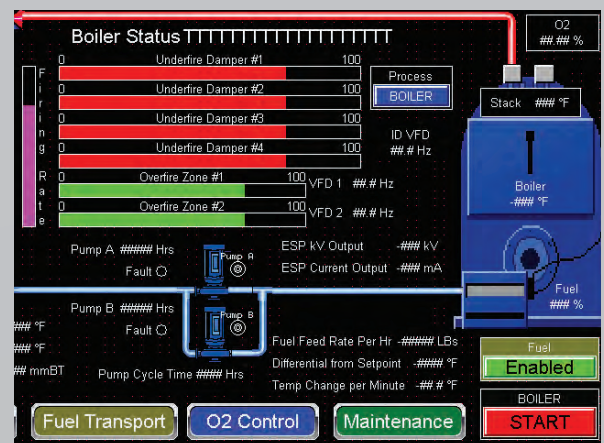
- O2 Trim Control
- Automatic Ash Removal

## Factory Installation, Startup and Operator Training:

- Our factory craftsmen that build your system will also install it.
- Startup by factory technicians ensures clean, efficient combustion and well trained operators.



## ALWAYS DEDICATED TO CUSTOMER SATISFACTION



**The Heat You Can Afford  
The Technology You Need  
The Reliability You Deserve**

**Biomass Boiler Systems**

Fuel Handling Solutions •

Emission Control Devices •

Dedicated Service & Support •

Boiler Room & Building Automation Controls •

Remote Monitoring and Diagnostics •

Available from 500,000 to 33,000,000 BTU/Hr •

**Satisfying  
customers  
for over  
35 years**



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