Delta T Moisture Control Technology

Inside-the-Dryer Moisture Sensing and Control

Total Solution Moisture Control for Panel Products

No Calibration Required
Auto Adjusts for Water Load Changes
Cruise-Control Startup
Narrows MC Variation 30—45%

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Benefits

Increased Production - reduce out-of-spec product due to moisture problems
Improvement in Quality - by narrowing MC distribution
Reduction in Energy Consumption - by eliminating overdrying
Chemical Savings - uniformity of MC can reduce usage

Unique Inside the Dryer Moisture Sensor: Moisture is sensed inside-the-dryer using two temperature sensors and a patented, first principles model relating moisture to the temperature drop (delta t) of hot air after contact with the wet product and the dryer speed or production rate. Calibration is not required. Uses cruise-control startup.

Continuous Optimization

The Old control method produces product with a wider moisture variation (left side of chart). Under Delta t control, the moisture variation is reduced 30% and sometimes up to 45% which produces a more uniformly dried product. Improvements in quality, production and energy conservation are the result. Over and under-dried product is eliminated. Chemical additives may be significantly reduced as a result of more uniform and positive control of the moisture content.

Applies to MDF, OSB, Ptclbd, Veneer

Control Systems
- MDF MC
- OSB MC
- Ptclbd. MC
- Veneer MC
- Plywood:
- Multi-booth Layup Line
- Block Conditioning

Selected Customers
- IPCo
- Potlatch
- Louisiana Pacific
- Georgia Pacific
- Boise. Hood
- Temple-Inland

Drying Technology, Inc was established in the mid 1980’s to serve the industrial drying community. The main office is located in the Silsbee, TX. Sales and technical support may be obtained at the main office.