

PROVIDING SOLUTIONS FOR A
BETTER TOMORROW



DMCSTM

Dryer Moisture Control Systems

DMCSTM – COMPLETELY INTEGRATED CONTROLS

- ◆ Improve product quality by minimizing variability in product moisture content.
- ◆ Reduce energy consumption by preventing over drying of product
- ◆ Reduce process latency and overall system response time to production or operational changes.
- ◆ Fully integrated and backward compatible.

Our Partners:



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DMCS™ Dryer Moisture Control Systems

DMCS™ is a fully integrated, tested and proven control method which integrates seamlessly, utilizing your current control platform & will guarantee a farther more stabilized drying means, resulting in a reduction of outlet material moisture content & Ultimately, a savings in energy consumption.

Is your current Drying Control System operating with temperature control only? Are you experiencing response delays or variations within you current Drying System? Are you over drying your product to compensate for an improperly tuned Dryer control loops? These are just a few improvements that can be expected when implementing **DMCS™** to your new or existing Dryer Control System.

DMCS™ is a unique and fully integrated software package that with the addition of a few key control devices will take control of the incoming material and it's moisture content and instantaneously, via a closed loop control method, adjust the heat delivery to the Dryer System. This predictive control method eliminates delayed response from systems which operate solely on temperature measurement alone.

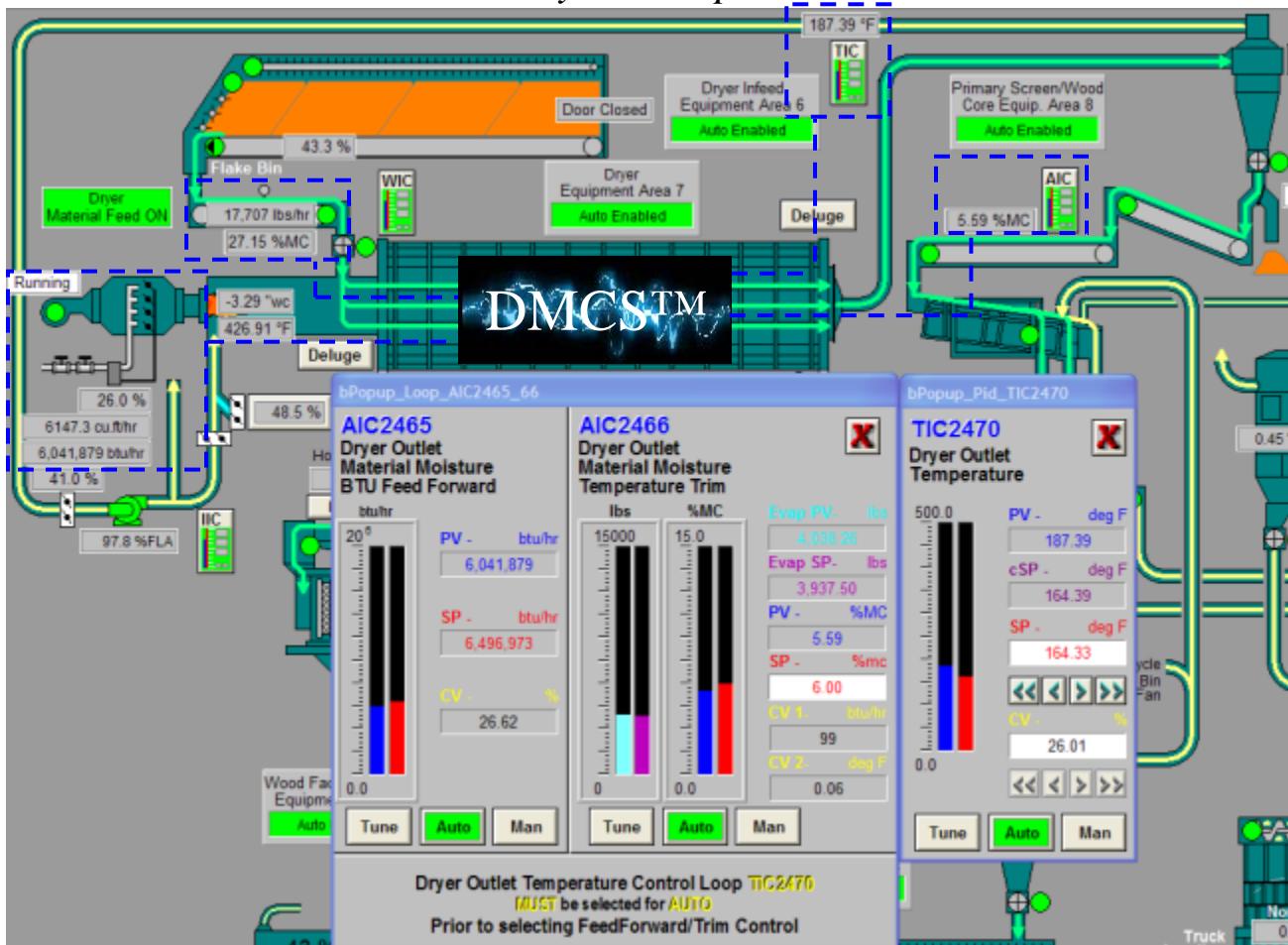
By the addition of an exit moisture meter, **DMCS™** automatically adjusts Dryer control set points to deliver a consistent product with extremely tight moisture content and will automatically adjust based on Operator and/or Process demands.

DMCS™ can be completely integrated into your existing PLC program and HMI application, and is suited for any control platform with no software, keys or licensing additions.

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Each system is unique in itself, some may have additional components, some less, a different heat source, drying method etc. But, by implementing **DMCS™**, a fully integrated, solid and tested Moisture Control System, you are guaranteed a higher resolution of control, a much more stabilized system which would overall result in Energy Cost Savings!

*Illustrated below is **DMCS™** incorporated in a Triple Pass wood dryer which utilized a gas burner as a heat source. **DMCS™** was fully integrated and assumed control of the incoming wet material, automatically adjust the heat source delivery, and closed loop controlled the outlet material moisture measurement and temperature, resulting in product delivery with extreme tight tolerances and maximum overall system response.*



For additional information, please contact us or visit www.itsautomation.ca to download a video illustrating DMCS™.

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