

Other Products Available



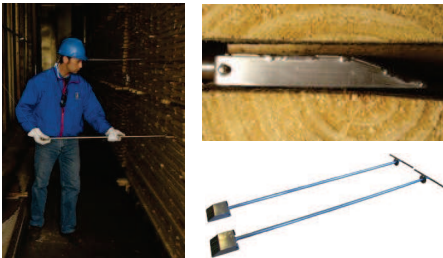
We offer in-line Meters:



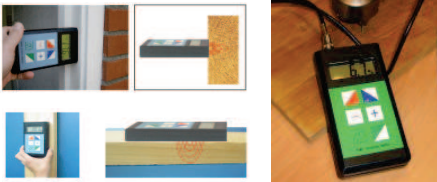
We offer Transversal Meters:



...and full line of Kiln control systems:



And Hand Held meters:



Please visit our sister company:
The Moisture Meter Company, LLC
For more information and details

For More information:



CS Industries

C.S.Industries LLC

2133 Lawrenceville-Suwanee Road
Suite 12-339
Suwanee GA 30024
USA

Toll Free:1- 877-785-0274
Phone: 404-520-0239
Fax: 603-720-5977

E-mail: info@csi-llc.com
www.csi-llc.com
www.hydro-thermotreatment.com

Also check our Sister Company at:
www.themoisturemetercompany.com



Dynamic Ideas...

***for optimizing your
Rough Mill***

***Hydro-Thermo
Treatment for***

Lumber



CS Industries

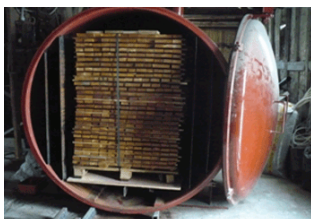


A lumber charge getting ready for the Hydro-Thermo treatment Process



The entire plant fits easily into existing production facilities

A picture from our testing and development laboratory



A completed load of treated hardwoods ready to exit the treatment vessel



Thermal Modification

Thermo modification of lumber is a newer process where the lumber is exposed to high temperature and low oxygen for controlled periods of time . The process results in structural changes offering dimensional stability, durability and weather resilient qualities while also darkening the wood throughout and 100% uniformly.

Moldrup Systems is a Danish Company who specializes in Drying and treatment of lumber and during it many years in the business has developed and patented a number of Innovative systems—among others is the original inventor of the Vacuum drying process!

The Moldrup process for TERMAL modification is one of the latest systems developed. Our system is much easier to control and results in much less drying defects compared with traditional curing systems available. Our systems are widely used in the flooring and window manufacturing industry but is making fast inroads into the components and specialty manufacturing environment.

IWT-Moldrup Process advantages:

- Upgrade of otherwise Rustic grades
- Ecologically Friendly process
- Improved dimensional Stability
- Resistant to rot and fungus
- Shorter Cycle times
- Lower initial investment costs
- Easy operation
- Complete Turn-Key installation
-

How does it work and why us?

By heating the lumber to 170-220° C (338-430° F) under controlled conditions you can upgrade your flooring (or other components) materials. Our process is done in a pressure vessel using superheated steam and pressure of 1-12 bar (14-175 PSI). The computer programmed process ensures that the moisture content of the lumber never goes below 4%. This is an important advantage over convectional systems that uses steam, Oil or inert gases at atmospheric pressure as at these temperatures, the air becomes very dry and let the lumber drop close to 0% which is where many of the traditional drying defect occurs. With pressurized steam in the chamber, we reduce the risk for such defects, significantly.

With our controlled pressure vessel design you will reduce the cycle time to only 6-8 hrs. versus 1-2 days in a conventional kiln set up. With the **shorter cycle time** and smaller vessel you have more flexibility and **much lower operating costs.**

A system from us typically offers 2-20 M³ ~ 800-8300 B.ft. Capacities and if using our oil fired boiler, uses about 100-300 Kwh.m³ ~ 0.25Kwh—0.75 Kwh/b.ft...

Normally used for lumber up to 4” thick

..for more technical details please call our sales department, our local sales contact or down load a brochure from our Web Site

**We proudly support Our Industry.....
Please support & buy from us!**

