

invited to submit comments and proposed amendments and to actively participate in the discussion sessions).

Lesnaya promyshlennost'  
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New Invention: A Triboelectric Hygrometer for Monitoring Wood shavings

The existing method of determining the moisture content of a wood shaving on the production line by means of a VDS-201 hygrometer is proving expensive for the enterprises. This is because of the intricate optical and electronic equipment embodied in it. Also, instances occur when its measurements are not consistently precise.

Why not develop a fundamentally new testing method for this type of production?

Such a method has in fact been developed at the Voronezh Institute of Wood Technology. It is based on a well known phenomenon in physics: the triboelectric effect. The effect is due to the generation of electric charges when friction is created between two dissimilar bodies. A triboelectric hygrometer developed by scientists provides for continuous monitoring of the moisture content of a wood shaving, without interfering with the production process.

The first comparative trials of the hygrometer were assayed in the Yermolovo branch of the Checheno-Ingushskaya "Terek" Furniture and