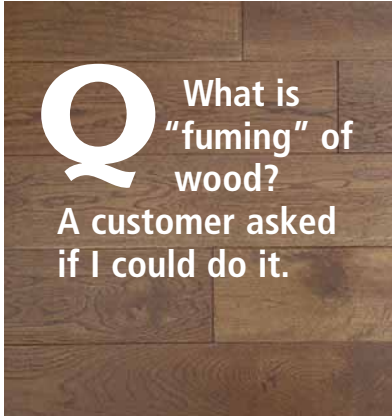


Ask@



S A W M I L L M A G . C O M



Q What is "fuming" of wood?
A customer asked if I could do it.

A Sometimes wood is fumed or smoked, which darkens the color, but still allows the wood grain and color variations to show through. It is done mainly with white oaks. The awesome coloring is enhanced after the process by using various oil-type finishes. Note that the final color will vary from piece to piece as part of the natural variation of color and grain in a tree. (Skip fuming if you want uniform color—use a standard wood staining procedure.)

Wood is fumed in a pressure chamber where the natural acids (mainly tannic acid) in the wood react with ammonia hydroxide solution (much stronger than household bleach). Overall, the process is carefully controlled. It is not a process for small mills due to the equipment expense and safety and environmental concerns. It is popular in Europe.

Q How much warp can we get when drying?



A Understand that warp in lumber is controlled 99% by the grain and characteristics of the wood itself, assuming that the lumber is stacked correctly. So, we might say that warp in drying is a natural event. The only warp that drying personnel can affect is cupping, and this cupping warp is due to slow drying at high MCs, rewetting partially dried lumber, or overdrying the lumber. Generally, we see more warp from lumber containing wood within 20 growth rings of the center of the log—this is mostly lower-grade lumber. For more details, see www.woodweb.com/knowledge_base/Warp_in_Drying.html.



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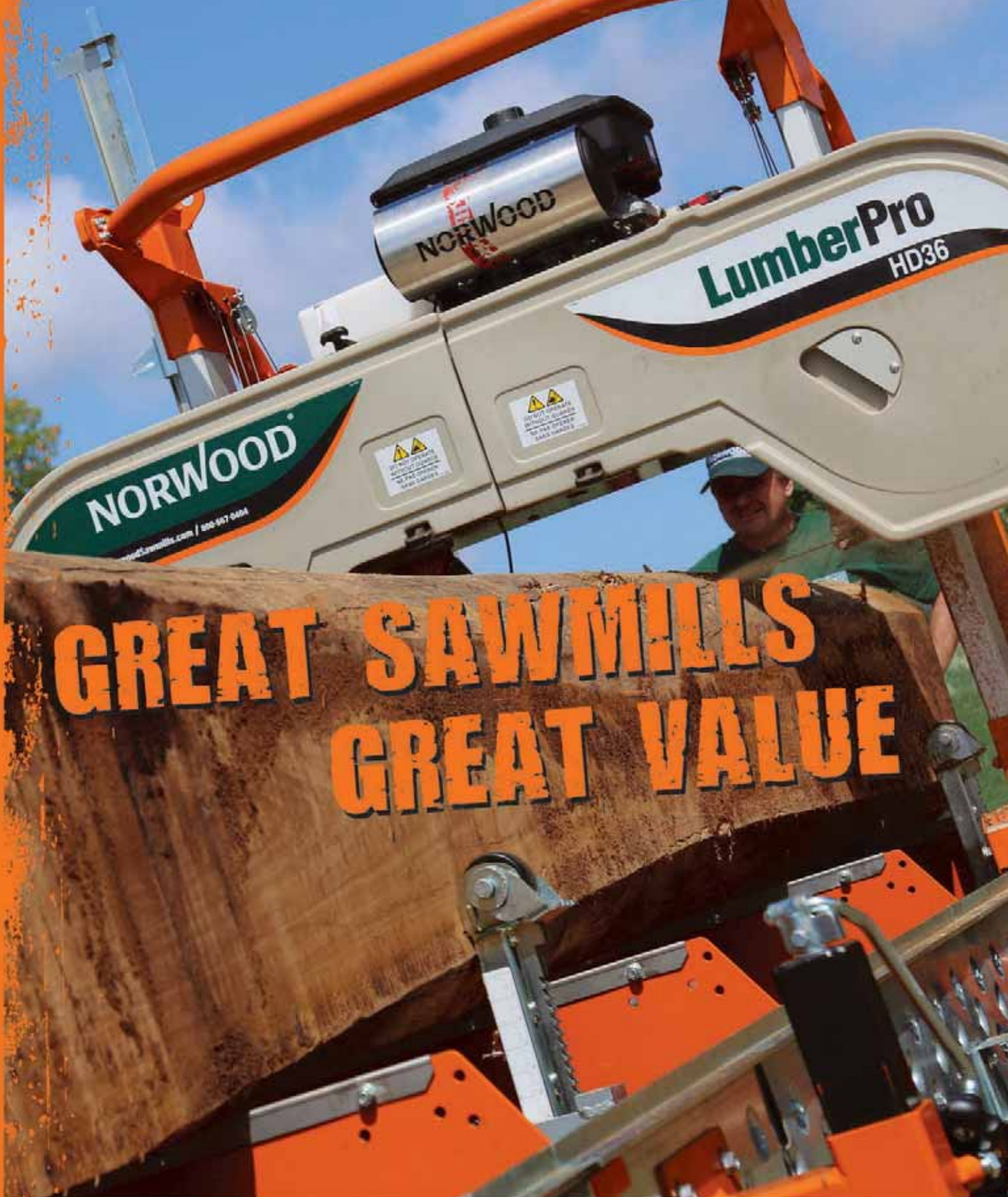
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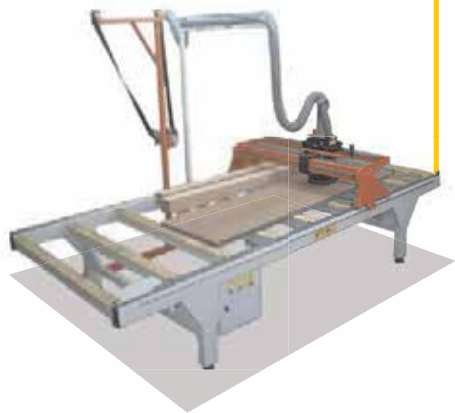
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 -6' wide capacity avail.
 -14'7" long capacity avail.
 -17'10" long capacity avail.
- Power Speed Control
- High Speed 3-HP motor (5-HP optional)
- Adjustable Leveling Legs
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