

Hogue Industries High Speed Dual Carriage Sticker Placer



The Hogue Industries High Speed Dual Carriage Sticker Placer is the only machine available today that is able to place and trap stickers in between the layers of material as they are being stacked---all at up to 20 Cycles per Minute or more.

The Dual Carriage Sticker Placer is free standing and is mounted either behind a lumber stacker, or beside a panel stacker. The stacking devices could be either a new machine, or an existing stacker—it really doesn't matter, as the sticker placer is an independent, stand alone unit with only structural and control tie-ins to the stacker.





The unit has sticker accumulation magazines that trap the stickers on edge, and are either manually loaded, or automatically fed by a pusher lug distribution system as shown.



What makes this sticker placer so unique is that it has two sets of sticker placing carriages.

Each carriage travels in the same horizontal and vertical planes, raising and lowering to accept stickers from the storage magazines and then charging the stickers into the layers of materials being stacked---all while the other carriage is being loaded with stickers and ready to charge.

One sticker carriage is being loaded with stickers while the other is placing stickers into the load, so it is remarkably fast and efficient.

The stickers are fed from the bottom of the storage magazines into the dual carriage sticker pans as shown.



The picture on the top shows grabbing a sticker from the bottom of the sticker storage magazine and the bottom picture shows the sticker being rotating into the sticker pan. Notice that the bottom picture shows a sticker being loaded into an awaiting sticker pan of the rear stickering carriage while the forward stickering carriage is charging a set of stickers into the material being stacked.

This is why the High Speed Dual Carriage Sticker Placer is so much faster than any other sticker placer made.

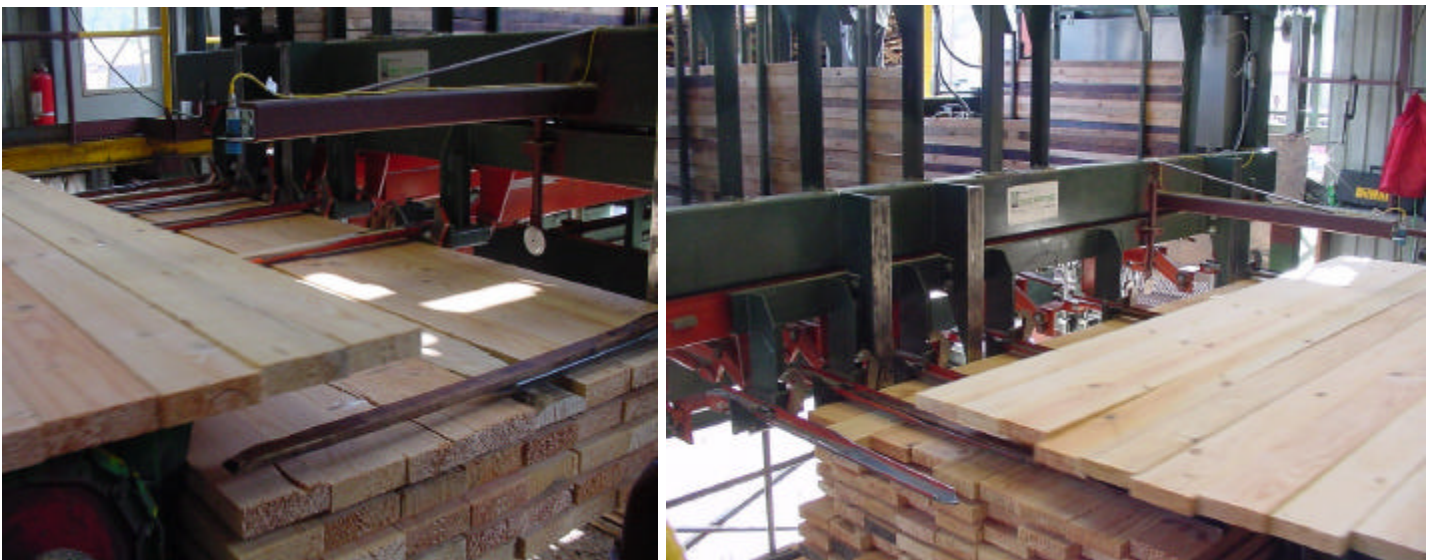
It is loading one set of sticker pans while the other set of sticker pans is placing a set of stickers into the load.

It is also out of the critical path of the stacker in that it is placing the stickers under the layer being stacked, so the stacking mechanism doesn't have to wait for the stickering mechanism to clear before it stacks yet another layer. By the time the stacker is laying that next layer, the set of pans that were being loaded are out with a set of stickers, charging them into the load.

The original set of sticker pans are now back being loaded with stickers for its next charge.

So there are two carriages, one that gets loaded and then advances that set of stickers into the package while the second carriage moves into position to receive the next batch of stickers from the accumulation magazines. As the first carriage retracts, depositing its stickers, the stickers are trapped under the layer being stacked, assuring excellent sticker position and alignment.

Now the second set of sticker's advances, repeating the process again and again until a finished stickered package is completed in a very short period of time.



Optional Automatic Infeed with Scanning for problem Sticker Drop-Out



Loose bundles of stickers are placed into the bulk chains of the automatic infeed.



The stickers are unscrambled and singulated to be fed through the sticker scanning system where they are either confirmed as an acceptable sticker, or dropped out. This feature will greatly increase up time and production by eliminating the costly shut downs due to a broken sticker, or one that is too bowed, twisted, or simply too thick.

The scanning system is also capable of checking for stickers that are too thin that inhibits the quality of drying or treating the products. All of the reject parameters are adjustable.



Once the stickers pass the quality control scanning section, they are fed to the pusher lug distribution chains where they are loaded into the sticker storage magazines.



While the above automatic sticker loading system will eliminate the need for an operator, the sticker storage magazines may also be loaded manually.

There are several options to be considered such as manually loading the stickers directly into the magazines, or manually loading the lugged chains prior to the pusher lug distribution chains. The magazines will accept individual or multiple pieces within each lug space, so it is easier on the operator to just load the lugged chains. This is all a factor of the system speeds required and needs to be determined.

For a video of the system look on our web site at www.hogueindustries.com

Additional drawings and pictures are also available by contacting Gary Hogue at Hogue Industries, 503-656-5100, or ghogue@hogueindustries.com

The Hogue Industries High Speed Dual Carriage Sticker Placer is protected by US Patent #7,547,182.
The Canadian Patent is pending.