



In Collaboration with



Process optimization through simple automation.

Turn your design vision into a manufacturing reality.

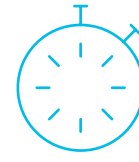


Collaborate with 3M and industry leading machine builders to take that next step in tape automation.

Basic tools, like hand-held j-rollers, are simple ways to improve the manual tape application process. The next step to improve production is using process assists — simple mechanical or electrical tools. Using a process assist, like a 3M™ Straight Line Laminator, can help to increase productivity of manual applications.



Precision



Speed



Quality

A 3M™ Straight Line Laminator can help improve the precision, speed and quality of the tape application in an assembly that:

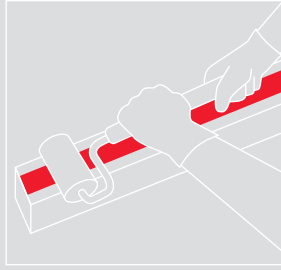
- Uses 3M™ VHB™ Tape on stiffeners or posts
 - Architectural panel stiffeners
 - Trailer or Specialty Vehicle posts or stiffeners
 - Metal enclosure stiffeners
 - Trailer, Truck or Specialty Vehicle roof bows
- Applies one or two rolls of 3M™ VHB™ Tape in a straight line



Take advantage of the combined tape expertise of 3M and industry machine building expertise of Vulkan Technic to attach stiffeners and posts with ease.

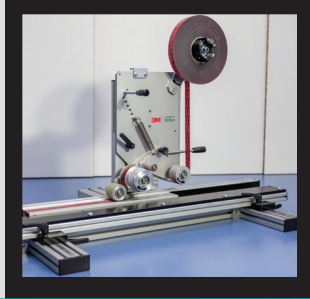
From simple to advanced automation solutions.

Four Levels of Process Support



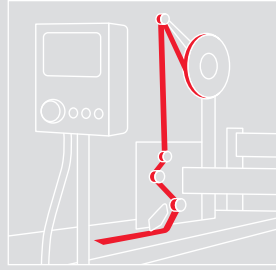
Basic Tools

Basic tools are simple ways to improve the manual application process, without automation.



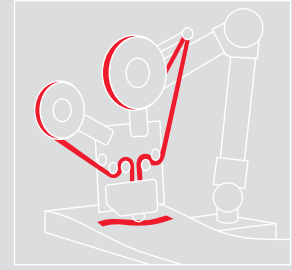
Process Assists

Process assists are simple mechanical or electrical tools to increase productivity of manual application.



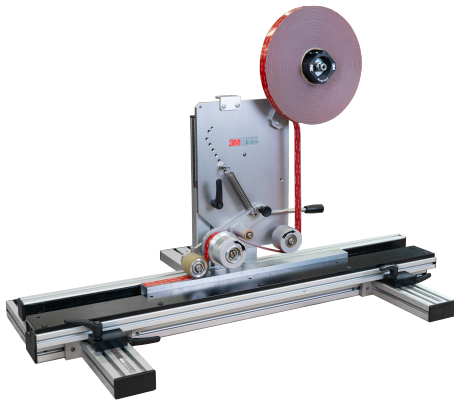
Fixed Automation

Fixed automation or “hard automation” is designed to perform a specific assembly process with the goal of improving accuracy, speed, or labor reduction.



Flexible Automation

Flexible automation is designed to be able to complete a specific assembly process, but may be re-purposed if the design or production needs change. Often incorporates robotics.



What is a 3M™ Straight Line Laminator?

Human operators push straight parts through a dispenser to apply 3M™ VHB™ Tape precisely while simultaneously applying final pressure. The laminator smoothly applies tape as a post or stiffener is guided through. Simply cut the tape at the end of the post or stiffener to complete the application.

Boost productivity on the assembly floor with the efficiency of 3M™ VHB™ Tape.

3M™ VHB™ Tape is a fast and easy-to-use method for attaching stiffeners and posts to panels in a variety of applications. The tough acrylic adhesive provides immediate strength with a long-lasting bond and can enhance the appearance of your finished product by eliminating rivets, screws and weld distortion. And now, the 3M™ Straight Line Laminator can even help further improve the accuracy and productivity of your application process.

- Strength and durability
- Thinner gauge materials
- Reduced noise and vibration
- Increased throughput
- Smooth finish

For more information about the 3M™ Straight Line Laminator, contact your preferred 3M distributor or your local 3M representative. For more information about tape automation and 3M™ VHB™ Tapes, visit 3M.com/VHB.



Industrial Adhesives and Tapes Division
3M Center, Building 225-3S-06
St. Paul, MN 55144 USA

Phone 1-800-362-3550
Web 3M.com/VHB

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