

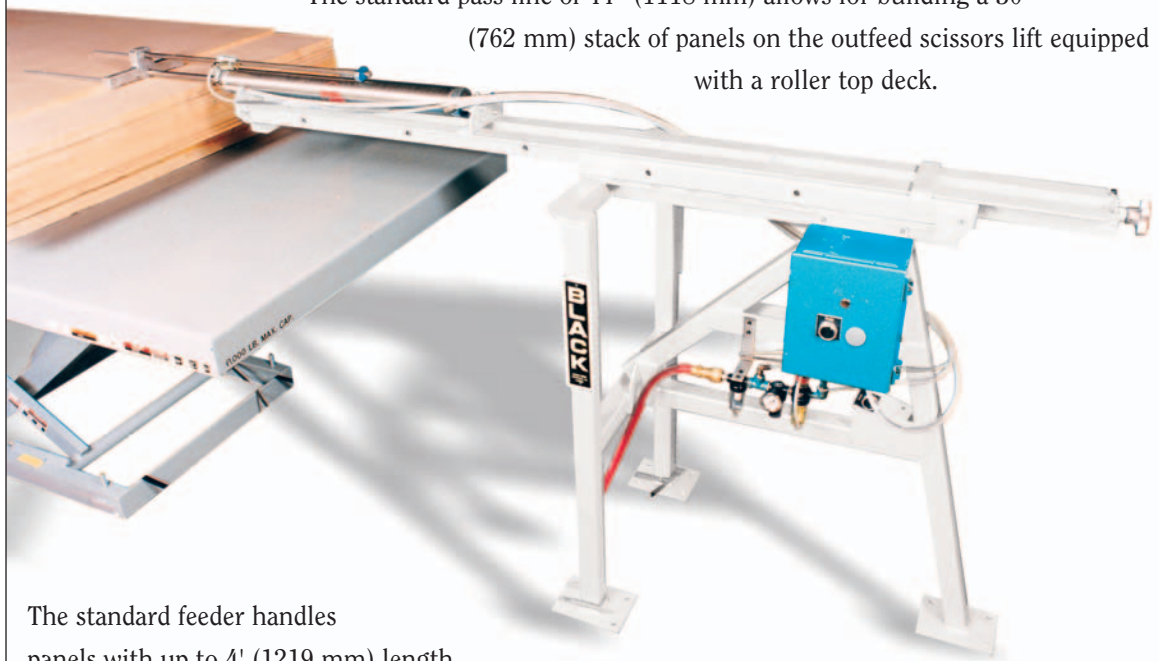
To maintain optimum productivity, Black Bros. Co. developed the Pneumatic Panel Feeder to streamline the infeed process. Activated by an operator down-line, the panel feeder provides precise and reliable operation on demand. And, its heavy-duty construction translates into a long and productive service life.

- *Smooth operating, long stroke (24" / 610 mm) air cylinder for quiet, dependable operation.*
- *Highly versatile, the standard unit will feed stock from 1/2" (12 mm) and thicker, up to 12' (3658 mm) long and 250 lb (113 kg).*
- *Larger units designed to handle heavier panels and auto cycle at speeds faster than 65 FPM are available and quoted on request.*

A typical laminating system positions an operator at the infeed to manually feed stock from a scissors lift into the first machine. The Black Bros. Pneumatic Panel Feeder eliminates the need for this operator, offering a highly productive and cost-effective solution for handling panels weighing up to 250 lb (113 kg).

The panel feeder is operated by a push-button located at the lay-up area. The operator simply presses the button on the adhesive spreader to feed the next panel. After each panel is fed, the scissors lift indexes upward, and the feeder is ready to load the next panel.

The standard pass line of 44" (1118 mm) allows for building a 30" (762 mm) stack of panels on the outfeed scissors lift equipped with a roller top deck.



The standard feeder handles panels with up to 4' (1219 mm) length deviation – such as 5' to 9' (1524 mm to 2743 mm) or 8' to 12' (2438 mm to 3658 mm) – in one foot increments. An optional 6' (1829 mm) adjustment is available, which allows feeding panels from 6' to 12' (1829 mm to 3658 mm) in length.



Remote Actuation

The operator activates the panel feeder by pushing a button mounted on the adhesive spreader. With the standard unit, panels 1/2" (12 mm) and thicker, up to 250 lb (113 kg), can be fed on demand or auto-cycled at speeds up to 65 FPM. Panel feeders can be ordered with larger cylinders and air lines to handle heavier materials with faster continuous speeds.

Dual Limit Switch

A dual limit switch arrangement, mounted on the front of the panel feeder or adhesive spreader, adjusts for board thickness and controls the upward travel of the infeed scissors lift. This ensures that each panel is fed at the correct pass line height and restricts lift movement until a panel clears the end of the stack.



Barrier Gate

A barrier gate can be mounted to the front of a panel cleaner or adhesive spreader to prevent feeding two panels at once. When either the barrier gate or scissors lift control is used with other brand machinery, some modifications may be necessary during installation.

Black Bros. scissors lifts are also offered as part of a total system package. These are properly specified at the factory to ensure optimum compatibility with the materials and components used in your operation.



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