Automatan

AutoFeed

Speed • Innovative • High-Performance

Our robotic solutions will increase productivity while reducing downtime.

YOUR PARTNER OF CHOICE

The ability to feed at speeds of over 26,000 /hr.*

VERSATILE

The AutoFeed is much more versatile than conventional pre-feeders. Difficult, tight layouts are possible. Operator side, drive side and custom layouts are available. It has the ability to load material into the board feeder, dispose of defective sheets, feed into multiple machines, and more.

VIRTUALLY ALL LAYOUTS AND OPTIONS AVAILABLE.

U.S. Patent No. 8,777,551

**Dependent on board size and flute.*

OPERATOR SAFETY

Reduces manual labor and eliminates the potential for operator injuries from board feeding.

FAST SETUPS

System sets up in seconds.

6 AXES OF MOTION

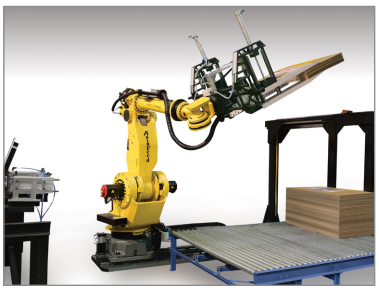
Capable of flipping product while feeding. Note: 7 Axes optional.

SMALL FOOTPRINTS

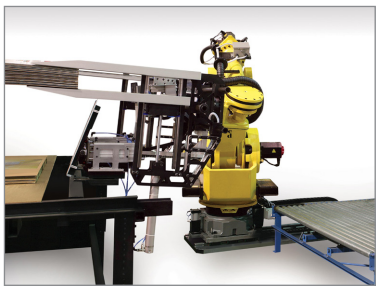
Save more than 50% floor space compared to conventional pre-feeders.

AutoFeed


PICK


LIFT


TRANSFER


PLACE

KEY COMPONENTS

ROBOT

Responsible for transferring the material from the inbound conveyor system to the board feeder (or other systems) utilizing the end of arm tooling.

END OF ARM TOOLING

Responsible for segregating and securing a predetermined stack of material. The end of arm tool consists of a mechanical structure, gripper(s), pneumatics for controlling the gripper, and/or peripheral devices, cable management and related engineering.

SAFETY SYSTEM

The system utilizes steel frame construction with wire mesh panels, interlocked access doors, remote e-stop located at the cell entrance, light curtains, operator awareness signs, system light tower and a complete safety assessment, ensuring that the manufacturing system meets with the current RIA safety standards.

ROBOT PROGRAMMING

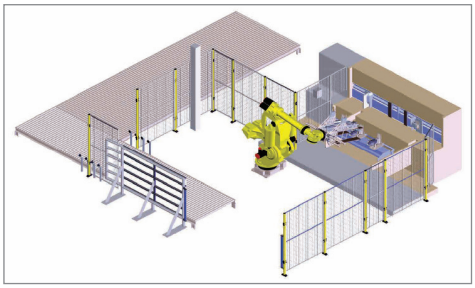
Consists of teaching positional points, integration of the I/O status of the independent elements, error handling, and operator requests along with teach pendant operator interface information.

SYSTEM CONTROLS

Consists of an automation system main control panel, operator interface and other total system control elements.

AutoFeed System Layouts

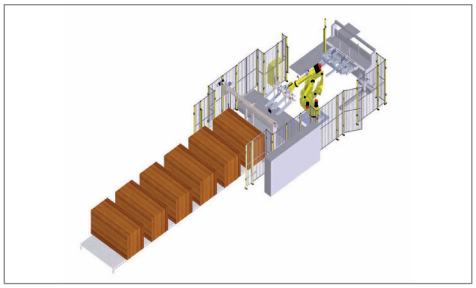
Any configuration - right angle or inline



FLEXO FOLDER GLUER

Minimum Format:
10” x 24” (250mm x 600mm)

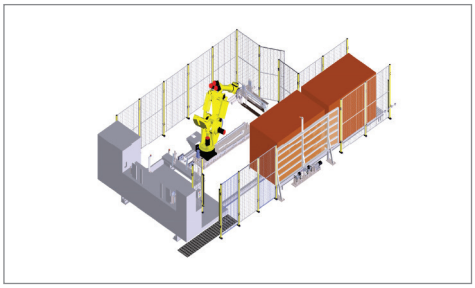
Maximum Format:
60” x 130” (1525mm x 3300mm)



FLATBED DIECUTTER

Minimum Format:
10” x 24” (254mm x 609mm)

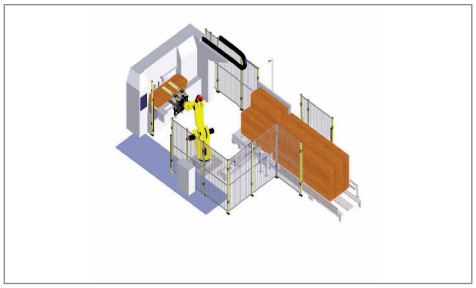
Maximum Format:
66” x 113” (1676mm x 2870mm)



ROTARY DIECUTTER

Minimum Format:
12” x 24” (300mm x 600mm)

Maximum Format:
66” x 130” (1675mm x 3300mm)



MINI FLEXO FOLDER GLUER

Minimum Format:
8” x 24” (200mm x 600mm)

Maximum Format:
25” x 74” (635mm x 1880mm)

INSPIRE AUTOMATION