

RailRider Pro

MiTek’s RailRider Pro Trackless Floor Truss Machine gives you the ultimate in quality and convenience – and all the features you need for high production and safe reliable performance.

An air- powered clamping system holds truss members securely in place during the press cycle, ensuring complete plate embedment. Air cylinders are positioned under the table and off the floor, creating a clean, unobstructed work area.

Operators control the pneumatic clamps with a remote control. When using the Press head, operators are protected by safety laser scanners.



FEATURES

- Rigid lumber clamp operated by under-table air cylinders.
- Centralized grease fittings.
- Parking area for gantry at each end.
- VFD-controlled acceleration/deceleration to minimize shock and prolong life of machine.
- End-eject or side-eject available.
- Easy-to-maintain pneumatic system controls clamp and ejection system.
- Remote control operation for clamps, flippers, rollers, and ejectors.

SPECIFICATIONS

1. Physical data of table

Components	Gantry head, assembly table, and parking stands
Max. truss length	12.2 m
Tables/parking stands length	16.5 m
Camber	17 m
Approximate table weight (2.1 m Gantry)	~9 tonnes (20,000 lbs)
Table height	760 mm ± 44.5 mm
Tabletop material	20 mm

2. Physical data of gantry with 2.1 m roller

Roller length	2.1m (7 ft) Other sizes available.
Throat opening length	2.2 m
Roller size	6.1 m nominal OD
Roller material	25.4 mm (1") steel
Roller bearing	945 mm
Shaft diameter	102 mm continuous shaft
Wheels	4 drive wheels (steel) 4 pressure wheels (steel) 4 guide wheels (polyurethane over steel core)
Drive chain	#80
Motor	7.5 kW (10 hp)
Approx. gantry weight (2.1 m gantry)	2.8 tonnes (6100 lb)

PERFORMANCE DATA

Speed of travel	Up to 38.1 m (125 ft) per minute
Lumber capacity	2x4 and 2x6
Truss depths	305 mm – 760 mm (additional depths listed in Options)
Motor startup control	VFD
Direction of travel	Left and right
Controls	Pushbutton pendant (additional choices in Options) Pneumatics operated by remote control

ELECTRICAL DATA

Voltage	415V
FLA plus control amps	16.2
Overload connection protection	25A
Phase	3-50 Hz

SAFETY DATA

- **E-stops:**
 - Pushbutton
 - Laser scanners
- **Safety compliance:** UL (panels), OSHA
- **Indicators:** Horn and beacon light
- **Labels:** Bilingual or ISO

OPTIONS

- Overhead plate rack
- Additional truss depths of 235 mm to 610 mm or 191 mm to 565 mm
- Pendant on end opposite operator end
- Camber on side rail
- Powered conveyor for end-eject systems
- Pneumatics available in any combination of options below:
 - **Infeed Side:** Flippers
 - **Outfeed Side:** Side-eject lifters, End-eject lifters