

RoofTracker III™

The RoofTracker III press is the newest addition to MiTek's highly efficient line of trackless roller presses.

Built on years of expertise, rigorous testing, and top-tier design practices, this cutting-edge roof truss machine sets a new standard in performance.



There are no floor rails to create a trip hazard. Instead, the RoofTracker III runs on beams mounted to the tables and its walk-through aisles provide clear access to the jiggling area, and better ergonomics. Tables are 4.2 m high, 2.3 m wide and are Wizard automated tooling ready.

The RoofTracker III is a safer and more efficient press than its predecessors. It has a larger working area and with parking space reduced by 30% there is better use of the assembly area. In addition, the gantry head is shorter so the Finish Roller can be positioned closer to the gantry head.

The RoofTracker III press has a 15-hp single-speed gear motor that provides a travel speed of 50 m per minute, but it can stop the press within millimeters in case of emergency. Braking distance is monitored to ensure the press stops safely everytime. Standard electrical control designs include a fully integrated safety circuit with safety modules and redundant contacts for operator safety, complete compliance with the NEC and NEMA 4 enclosures.

FEATURES

- Trackless operation provides unobstructed floor space, increasing safety and worker efficiency
- Gantry head occupies less space
- 609.6 mm heavy-duty roller press with shrink-fit collar around a 101.6 mm shaft, has a proven long-life design for consistent plate embedment
- Extremely high load capacity double row, spherical bearings
- Take-up bearings allow for easy adjustment of roller height
- Drive wheels and pressure wheels carry the press head
- Dual press head parking zones
- Enhanced safety with light bars, bumpers and industrial brake
- Easier installation
- Trouble-free maintenance
- Standard side-eject lifters
- Operator platform and joystick controls

PHYSICAL DATA

Components	Roller is available in 3.8 m, 4.3 m and 4.9 m options, gantry head, assembly tables, and parking stands
Overall dimensions	6m L x 1.8m W (bottom-chord platform) 6m L x 3.0m W (top-chord platform)
Roller size	609.6 mm nominal OD
Roller wall thickness	19 mm
Roller bearing	944 mm
Roller height adjustment	1230 mm of adjustment
Shaft diameter	101.6 mm continuous shaf
Baffles per roller	4
Throat opening	4.3 m long
Wheels	Four drive wheels per side
Drive chain	#80
Drive system motor	12 kW (15 hp equivalence)
Overall weight	Approx. 4.5 T
Integration	<p>Integrates with RoofTracker™ and RoofGlider®</p> <ul style="list-style-type: none"> → Stand-alone system or can be integrated with RoofTracker or RoofGlider system. → RoofTracker and RoofGlider head can travel and press on AutoPress 14TL™ tables. → AutoPress 14TL™ head can travel on RoofTracker and RoofGlider tables, but can only press on AutoPress 14TL™ tables.

PERFORMANCE DATA

Speed of travel	Up to 3017 m/hr
Plate embedment	Approx. 80% on top and 50% on bottom (Finish Roller required)
Direction of travel	Left and right
Controls	Joystick and pushbuttons
Brake	Industrial brake for rapid stopping

FEATURES

- Laser scanners detect obstructions and trigger E-stops if necessary.
- Fully compatible with MatchPoint PDS™ tables.

ELECTRICAL DATA

Electrical specs	415 VAC 50 Hz 3-phase
FLA plus control amps	23 amps
Disconnect protection	35 amps

SAFETY DATA

E-stops	Pushbutton Laser scanners
Interlocks	For use with multiple press head option
Safety compliance	UL (panels), OSHA, NFPA
Indicators of movement	Horn and beacon

OPTIONS

- Multiple press heads with interlock
- Virtek® laser projection system
- Powered Stand-Alone Conveyors