

FRAMECAD® F450iT

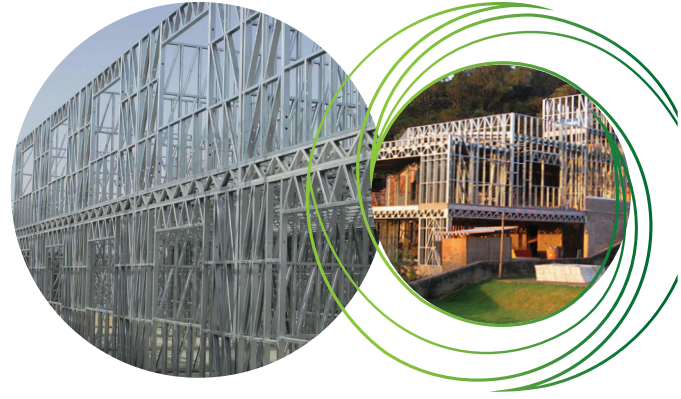


Leading Innovation

FRAMECAD® has created the world's most efficient design and manufacturing technology for steel trusses and frames. The F450iT system is the intelligent solution for organisations desiring to deliver large scale production and projects. It uses FRAMECAD® patented technology to give a smart lean design, engineering and fabrication process.

Advanced Computer Aided Engineering

The FRAMECAD® system integrates with BIM Design software including REVIT and TEKLA. Intelligence and know how built into FRAMECAD® Structure design software enables value engineered design to maximise both profitability and robust building techniques. FRAMECAD® has proven to be the most cost efficient way to be in the steel frame industry.



The F450iT Manufacturing System offers:

- The F450iT produces wall frames, trusses and joists for residential and light commercial building quickly and economically.
- Automated high line speed up to 2880m/hr results in the industry's best framing and truss manufacturing output.
- 12 advanced precision punching functions for high productivity and versatile components production such as roof trusses, walls and floor joists*.
- An auto gauging system that automatically adjusts gauge range to increase overall productivity and quality.
- Hot climate hydraulic cooling system to perform in high temperature operating environments and large scale production facilities.
- Smart Internet connectivity provides cloud-based data reporting to enable real time production management and technical diagnostics to improve efficiency.
- Qualified global technical support & training expertise.

F450iT System Specifications

Description	FRAMECAD® Frame & Truss Plant
Number of Profiles	1 x C and 1 x U
Profile Width (Web)	Range 75 - 152mm (3" - 6") with 150mm or 6" Standard
Profile Height (Flange)	Range 35 - 50mm (1.37" - 2") - 41/38 Boxable Section standard
Material Thickness	0.70 - 1.6mm (22 - 16 gauge)
Roll Forming Stations	11 Auto Gauging stations
Punching Stations	12 Frame and Truss Punching Stations
Standard Tooling*	Service Hole, Web Bolt Hole, Dimple, Web Notch, Chamfer, Lip Cut, Flange Holes (left & right), Swage, Shear. (options to add Flange cut left and right)*
Max Line Speed	2,880m/hr (9,950ft/hr)
Typical Production Speed (actual dependent on framing design)	Joists: 300 m/hr (985 ft/hr) Walls: 700 m/hr (2,300 ft/hr)
Printer	2 Printer Heads

Design Software Options	FRAMECAD® Structure and FRAMECAD® Detailer
Machine Control Software	FRAMECAD® Factory 2
Main Drive Power	7.5kW (10hp)
Hydraulic Power	7.5kW (10hp)
Hydraulic Reservoir	80L (17 imp gal)
Ambient Temperature	0-40°
Width	800mm (2.65')
Length	4,500mm (14.76')
Height - to top of covers	1200mm (3.95')
Approx Weight	3,000kg (6,600lb)
Mains Power Supply	400VAC, 25A
User Interface and Connectivity	21.5" Touch Screen enabled with Mobile, Wi-Fi & LAN internet connectivity
Decoiler Capacity	3,000kg (6,600lb) powered decoiler

*Subject to customer System specification. Due to FRAMECAD®'s ongoing innovation, system specification may change.

For more information, details or a quote, please contact us at: [framecad.com/contact-us](https://www.framecad.com/contact-us)