



Leading Innovation

FRAMECAD has created the world's most efficient design and manufacturing technology for floor joist and wall frames construction as well as steel trusses.

The TF650H 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 as well as with other design software. 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 TF650H Manufacturing System Offers:

- The TF650H produces heavy duty wall frames, trusses and joists for commercial & residential buildings quickly and economically.
- Automated high line speed up to 4,430ft/hr (1,350m/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*.
- Heavy duty system that rolls up to 2.5mm or 97mils material enabling the manufacture and construction of mid rise buildings & industrial.
- With multiple flange heights possible on the one profile enabling the right profile to be selected based on the engineering requirements for the construction job.
- 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.

TF650H System Specifications

Description	FRAMECAD® Frame & Truss Plant
Number of Profiles	1 x C and 1 x U
Profile Width (Web)	Range 3½ - 6" or 89 - 150mm
Profile Height (Flange)	Range 1½ - 2½" or 41 - 63mm
Material Thickness	47 - 97mils or 1.2 - 2.5mm (18 - 12 gauge)
Roll Forming Stations	15 Stations
Tooling Stations	12 Frame and Truss Punching Stations
Standard Tooling*	Service Hole, Web Bolt Hole, Dimple, Web Notch, Chamfer, Lip Cut, Flange Cut (left & right), Swage, Shear. (Options to add 2 other tools)
Max Line Speed	4,430ft/hr (1,350m/hr)
Typical Production Speed (actual dependent on framing design)	985ft/hr - 1,970ft/hr (300m/hr - 600m/hr)
Printer	2 Printer Heads

Design Software Options	FRAMECAD® Structure and FRAMECAD® Detailer
Machine Control Software	FRAMECAD® Factory 2
Main Drive Power	20hp (15kW)
Hydraulic Power	13.5 HP (10kW)
Hydraulic Reservoir	32 imp gal (120l)
Ambient Temperature	0-40°
Length	22' (6,700mm)
Width	4.7' (1,400mm)
Height - to top of covers	4.7' (1,400mm)
Approx Weight	11,465lb (5,200kg)
Mains Power Supply	400VAC, 40A
User Interface	21.5" Touch Screen enabled with Mobile, Wi-Fi & LAN internet connectivity.
Decoiler Capacity	11,000lb (5,000kg) powered Decoiler with heavy duty upgrade

*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