



Leading Innovation

FRAMECAD® has created the world's most efficient design and manufacturing technology for floor joist construction as well as steel trusses. The J325iT 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 J325iT Manufacturing System offers:

- The J325iT produces web joists for use in residential and commercial applications and manufacture the members for a webbed joist 40% faster than a standard F325iT which is significantly quicker than other equipment on the market.
- Smart integration of multiple punches into clusters of punches.
- 13 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.
- 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.

J325iT System Specifications

Description	FRAMECAD® Webbed Joist Plant
Number of Profiles	1 x C and 1 x U
Profile Width (Web)	Range 63 - 150mm (2.5" - 6") & 89mm or 3.625" Standard
Profile Height (Flange)	Range 34 - 50mm - 41/39 Boxable Section standard
Material Thickness	0.55 - 1.2mm (24 - 18 gauge)
Roll Forming Stations	13 Auto Gauging stations & 3 further forming stations
Punching Stations	13 Punching Stations
Standard Tooling*	Multi Flange Hole Tool, Single Web Hole Tool, Flat Dimple, Dimple, Web Notch, Chamfer, Lip Cut (left & right), Flange cut (left & right), Web Bolt Hole, Swage, Shear
Max Line Speed	2,880m/hr (9,950ft/hr)
Typical Production Speed (actual dependent on framing design)	400 - 600m/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	5.5kW (7.4hp)
Hydraulic Reservoir	80L (17 imp gal)
Ambient Temperature	0-40°
Width	800mm (2.65')
Length	3,700mm (12.15')
Height - to top of covers	1200mm (3.95')
Approx Weight	1,820kg (4,012lb)
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