



Leading Innovation

FRAMECAD® has created the world’s most efficient design and manufacturing technology frame, truss and joist construction as well as modular construction.

The ST825iT system is the intelligent solution for organizations 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® design software enables value-engineered design to maximize both profitability and robust building techniques. FRAMECAD® has proven to be the most cost-efficient way to be in the steel frame industry.

The ST825iT Manufacturing System offers:

- The ST825iT is the perfect solution for multi-profile construction methods for mid-rise residential and light commercial buildings. A flexible building system with up to four profiles which enables a wide range of construction options.
- Automated high line speed up to 5,400 ft./hr (1,680 m/hr) results in highly efficient framing and truss manufacturing output.
- 10 advanced precision punching functions for high productivity and versatile components production such as roof trusses, walls and floor joists*.
- A simple and intuitive gauging system allows for quick change of gauges between 22 - 16 gauge (0.75 - 1.6 mm) steel.
- The ST825iT comes as standard with an automated servo driven raft to quickly and easily change profiles.
- 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.

ST825iT System Specifications

Description	FRAMECAD® Multi-Profile Equipment
Number of Profiles	4 x C & 4 x U
Profile Width (Web)	Range 2 ½ - 6" or 60 - 152mm
Profile Height (Flange)	Between 1 ½ - 2" or 35 - 52mm
Material Thickness	22 - 16 gauge or 0.75 - 1.6 mm
Roll Forming Stations	13 Adjustable stations
Punching Stations	10 Frame and Truss Punching Stations
Standard Tooling*	Service Hole, Web Bolt Hole, Dimple, Web Notch, Chamfer, Lip Cut, Flange Cut (left & right), Swage and Shear.
Max Line Speed	5,400 ft./hr (1,680 m/hr)
Printer	2 Printer Heads
Typical Production Speed (actual dependent on framing design)	985 - 1,970 ft/hr (300 - 600 m/hr)

Design Software Options	FRAMECAD® Structure and FRAMECAD® Detailer
Machine Control Software	FRAMECAD® Factory 2
Main Drive Power	12.3 hp (9.2 kW)
Hydraulic Power	7.4 hp (5.5 kW)
Hydraulic Reservoir	21 gal (80 L)
Ambient Temperature	0-40°
Width	4.59' (1,400 mm)
Length	23.95' (7,300 mm)
Height - to top of covers	6.40' (1,950 mm)
Approx Weight	17,640 lb (8,000 kg)
Mains Power Supply	380 - 480 V, 50 A
User Interface and Connectivity	21.5" touch screen enabled with Mobile, WiFi & LAN internet connectivity.
Decoiler Capacity	6,600 lb (3,000 kg) 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