



Leading Innovation

FRAMECAD has created the world's most efficient design and manufacturing technology for deep C floor joists. The FL650 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.

The FL650 Manufacturing System offers:

- The FL650 is the perfect solution for production of deep C floor joists for residential, mid rise and commercial applications.
- Automated high line speed up to 1,350m/hr results in highly efficient deep C floor joist outputs.
- Specialist tooling for the production of floor joists including an extruded service hole for easy installation of HVAC, plumbing and electrical services.
- A simple and intuitive gauging system allows for quick change of gauges between 18 - 12 gauge or 1.2mm - 2.5mm (47 - 97 mils) steel.
- Multiple flange heights possible on the one profile allowing the best 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.

FL650 System Specifications

Description	FRAMECAD Floor & Frame Equipment
Number of Profiles	1 x C & 1 x U
Profile Width (Web)	Range 250mm - 305mm or 10 - 12"
Profile Height (Flange)	Range 40 - 75mm or 1½ - 3"
Material Thickness	1.2mm - 2.5mm or 18 - 12 gauge (47 - 97 mils)
Roll Forming Stations	17 Forming stations
Punching Stations	7 Punching stations
Standard Tooling*	Web bolt hole, Flange screw hole, Tab punch, web/tab screw holes, flange bolt hole, large service hole (extruded) & small service hole.
Max Line Speed	1,350m/hr (4,430ft./hr)
Typical Production Speed (actual dependent on framing design)	250-600m/hr (820-1970ft./hr)

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

Design Software Options	FRAMECAD® Structure and FRAMECAD® Detailer
Main Drive Power	23kW (30.8hp)
Hydraulic Power	15kW (20hp)
Hydraulic Reservoir	250L (66 gal)
Ambient Temperature	0-40°
Width	1.55m (5.08ft)
Length	10.0m (32.8ft)
Height - to top of covers	2.05m (6.73ft)
Approx Weight	12,800kg (28,220lbs)
Mains Power Supply	400VAC, 60A
Printer	2 Printer Heads
User Interface and Connectivity	21.5" Touch Screen enabled with Mobile, Wi-Fi & LAN internet connectivity.
Decoiler Capacity	5,000kg (11,000lb) heavy duty powered Decoiler

For more information, details or a quote, please contact us at: framecad.com/contact-us