



New Manufacturing Solution

Delivers advanced design and build steel
frame construction equipment

Innovation Integration Sustainability

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FRAMECAD & FRAMEMASTER

The FRAMECAD design and sustainable building process incorporates the intelligence of the FRAMECAD system and FrameMaster manufacturing equipment.

Engineered for productivity and profitability

The new FRAMECAD F300i and F315i have been designed to be world leading light steel frame manufacturing plants. With high throughput, reliability, ease of maintenance and simple operation a focus of the design, these new integrated manufacturing plants will deliver high productivity, high quality and accurate output.

The FRAMECAD F300i and F315i systems are designed for manufacturers of framing and trusses across many applications, typically producing 89mm or 150mm C profiles. With a gauge range of between .55mm and 1.2mm, the new F300i and F315i machines offer flexibility as stand alone plants or in multiple machine configurations for a broader range of manufacturing options (profile and gauge ranges are model dependent).

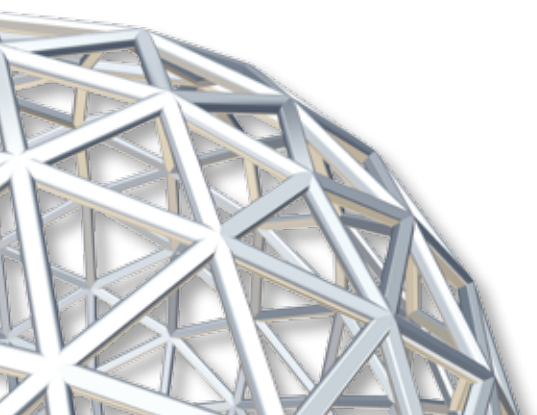


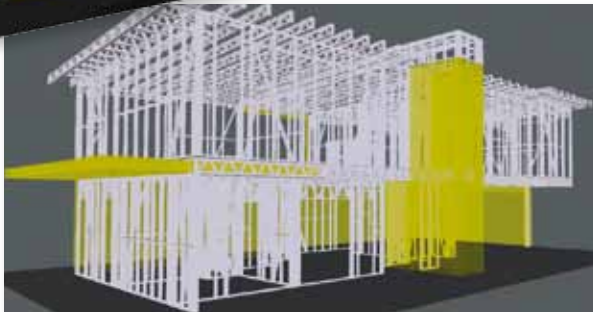
FRAMECAD now offers a better option for reliable, fast and flexible end-to-end steel frame design and build solutions across a wide range of construction applications:

- Residential and affordable housing
- Workforce accommodation
- Truss production
- Portable and modular buildings
- Commercial and industrial construction
- Internationally certified building system

Integration for perfect automation

By integrating FRAMECAD Factory machine control systems on the FRAMECAD manufacturing equipment with advanced FRAMECAD design software, we have achieved a building system that is automated in the most intelligent way.





OUTPUT FEATURE	BENEFIT
High output (depends on design)	400 - 750m/hr (1300 – 2,460ft/hr) providing output for high volume operations.
Component length and Punching accuracy ($\pm 0.5\text{mm}$ or $1/32''$)	Accuracy in assembly of panels, trusses and onsite construction while minimising waste.
Fastening holes pre-punched	Quick, easy and accurate assembly, minimising labour costs.
Fastening holes dimpled	Screws lie flush with stud surface and dimples assist in eliminating the need for jig assembly tables.
Swaged ends	Studs sit precisely in the track, achieving full load transfer for multi-level buildings and modular structures providing strength and reliability.
Notched lips	Easy to fit studs within track.
Punched web holes	Studs pass through horizontal blocking.
Service holes punched	Ready for electrical and plumbing installation.
Bolt holes punched	Ready for hold down bolts.
End chamfer cut	For faster assembly and higher quality trusses and joists
Individually labelled components	Clear and concise assembly, no guess work, ideal for kitset building.

PROFILES

Produce standard or boxable C profile



Plus a U profile



FRAMECAD

suite of software

By avoiding the inefficiencies of fragmented systems, FRAMECAD customers enjoy an immediate competitive advantage.

Building design, engineering, detailing, quoting, production planning, factory management, machine control and materials management are all seamlessly integrated by the FRAMECAD suite of intelligent software.

FRAMECAD ProDesign produces CAD designs for cold formed steel framing construction, complete with engineering calculations and structural analysis. With this capability, material usage can be optimised to reduce construction costs. FRAMECAD ProDesign enables a wide range of trusses to be designed, as well as wall framing.

FRAMECAD Architect quickly generates precise 3D architectural visualisation for FRAMECAD framing designs. FRAMECAD Architect is ideal for marketing finished designs to customers, as well as establishing a 3D model ready for FRAMECAD Detailer to frame and for quoting.

FRAMECAD Detailer is a totally versatile detailing package with world-leading design flexibility, making it possible to adhere to local building codes, standards and practices. Simply enter (or import) the dimensions and the type of frame you need, then use FRAMECAD Detailer to convert the information into detailed framing plans that are then transferred directly to the FRAMECAD manufacturing equipment via FRAMECAD Factory. With FRAMECAD Detailer, design and manufacturing processes are seamlessly integrated.

FRAMECAD Factory provides a powerful machine control system that drives the FRAMECAD manufacturing equipment. Data is transferred directly from FRAMECAD Detailer for automated production of every component. FRAMECAD Factory is fully networkable and internet enabled, a feature that offers outstanding opportunities for maximising productivity and remote diagnostics.

FRAMECAD FactoryPro provides factory management and reporting software to enable:

- production planning
- measurement of staff and manufacturing productivity
- tracking of materials and Quality Assurance
- preventative maintenance reports on production equipment
- remote diagnostics
- staff output and efficiency optimisation reporting
- production line benchmark reporting

FRAMECAD Detailer and FRAMECAD Factory are the essential software packages to get your framing business operational.

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F300i-F315i SPECIFICATIONS

Model	FRAMECAD F300i-F315i
Description	FRAMECAD Frame & Panel Plant
Design Software Options	FRAMECAD Detailer FRAMECAD ProDesign FRAMECAD Architect
Factory Software	FRAMECAD Factory
Number of Profiles	1 x C, 1 x U
Profile Size (dedicated) Range 63mm - 152mm	F300i - 89mm (3.5") (Standard) F315i - 150mm (6") (Standard)
Gauge Range	F300i - 0.55 - 1.2mm (24 - 18g) F315i - 0.75 - 1.2mm (22 - 18g)
Roll forming Stations	Eleven
Frame & Truss Tooling Punches	Six
Typical Production Output *1 (model & design dependent)	300m/hr (joists) 700m/hr (simple walls) 990ft/hr (joists) 2,300ft/hr (simple walls)
Max Line Speed Plain C or U Section	Up to 1,750m/hr (5,500ft/hr)
Main Drive Power	5.5KW (7.5HP)
Hydraulic Power	3.0KW (4.0HP)
Hydraulic Reservoir *2 AWG 46 - 28 °C	60L (16 gal)
Hydraulic Accumulator	One
Ambient Temperature Range	10 - 28 degrees celsius
Width	800mm (2.5ft)
Length	3430mm (11ft)
Height	1270mm (4.0ft) to top of covers
Approx weight	1,500kg (3,300lb)
Mains Power Supply *3	380 - 480V 32A
Printer	2 x 16 Point Print Heads
Controller	1 x Touch Screen Networkable Linux
Decoiler Capacity (Powered) *4	3,000kg (6,600lb) 1,500mm (60") diameter

*1 Estimated output depends on design complexity, component sizes and punching function. *2 Hydraulic Oil grade is dependent on ambient operating conditions *3 Please contact FRAMECAD for additional precautions when using a standalone power supply. *4 Decoilers using 1,500mm coils can restrict maximum production rates. Due to ongoing development specifications are subject to reconfirmation at time of ordering.

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