



X1 Framing System

The PinnacleLGS X1 Framing System has been designed to accommodate Professional LGS manufacturing operations. It produces profiles for framing all types of LGS structured buildings from 1 to 4 stories. Equipped with state of the art SERVO MOTOR and world's leading HYDRAULIC ACCUMULATOR technologies, this totally integrated design to production LGS framing system deliver high productivity, top quality and 100% accurate output.

The PinnacleLGS X1 Framing System is designed for manufacturers of framing and trusses across many applications certified by International, American, British, and EU building codes, typically producing either 63mm, or 75mm, or 89mm or 140mm C profiles with a gauge range of between 0.55mm and 1.5mm (26g to 16g). Every output is accurately formed, cut, punched, dimpled and individually labeled, ready for assembly.

The PinnacleLGS X1 Framing System integrates the intelligence of the PinnacleCAD software, PinnacleCAD production software and PinnacleFRAMER manufacturing hardware to achieve a totally automated design to production building system.





- Residential and Affordable Housing from 1 to 4 stories
- Labor & Staff Accommodation Facilities from 1 to 4 stories
- Truss production
- Portable Cabins and Modular Buildings
- Commercial and Industrial Construction

PinnacleFRAMER X1 System - Specification:

SYSTEM FEATURES

Profile length and Punching Accuracy	100% Accuracy in assembling Wall panels and Trusses.
Screw hole	For quick, easy and accurate assembly.
Dimple	For smooth surface
Service hole	For electrical and plumbing.
Index hole	For bolts
Web notch	Studs pass through horizontally.
Lip notch	For easy fixing of studs / In-line truss
Crimp	For sitting swaged profile at bottom 100%
Swaged ends	For accurate fixing of studs
End chamfer	For precise and quick fixing of studs for truss configuration and bracing
Printing / each section ID label	For quick and easy assembling with accuracy
Post shear	Accurate cutting

PROFILES

Standard / Boxable C Section	
U Section	
Number of Profiles	1 C 1 U
Profile Size (web) – One Size Fixed	X1-63 (63mm) or X1-75 (75mm) or X1-89 (89mm), or X1-140 (140mm)
Flange	38mm for X1-63, 32mm for X1-75, 41mm for X1-89 & X1-140
Lip	11mm

CNC MACHINE SPECIFICATIONS

Model	PinnacleFRAMER X1
Country of Origin	Product of USA, Assembled in Taiwan
Design Software Options	PinnacleCAD (3D Modeling, Detailing, Structural Calculations)
Gauge Range	0.55mm – 1.5mm (26g -16g)
Gauge Adjustment	Semi Automatic Metric Dial
Roll forming Stations	Nine
Frame & Truss Tooling Punches	Eleven
Normal Production Speed (Output) Depend on design.	Walls – 900m/hr Joist – 300m/hr
Line Speed Standard C or U sections	Up to 2000m/hr
Length	2840mm
Width	756mm
Height	1572mm
Weight (Approx)	2500 kg
Power Supply / Consumption	380 VAC / 30 KVA
Printer	Inkjet Printer fully integrated
Controller	Windows Based PC Control
Powered De-Coiler with Sensor	3000 kg