

X6 Framing System

The PinnacleLGS X6 Framing System has been designed to accommodate Intermediate Level LGS manufacturing plants. Typically it produces 6 + 6 C and U profiles from 89mm to 350mm. This system is being used for the framing of residential buildings from 1 to 10 stories. With high throughput, reliability, ease of maintenance and simple operation, this totally integrated design to manufacturing LGS solution will deliver high productivity, high quality and accurate output.

The PinnacleLGS X6 Framing System is designed for manufacturers of framing and trusses across many applications certified by International, American, British, and EU building codes. The machine is capable of producing all web size profiles between 89mm to 350mm. There are standard 6 web size tools come with each machine order, but any additional web size tools can be added at later stage if required. The standard web sizes come with machine are: 89mm, 140mm, 200mm, 250mm, 300, 350mm. This machine can handle material gauge from 0.7mm to 3.0mm (24g to 12g). It's capable of both C+C and C+U panel assembly framing capabilities. Every output is accurately formed, punched, dimpled, cut and individually labeled, ready for assembly. This system is ideal for construction of LGS residential buildings up to 10 stories height.

The PinnacleLGS X6 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.





- Hotel and Luxury Apartment Buildings from 1 to 10 stories
- Residential and Affordable Housing, from 1 to 10 stories
- Labor & Staff Accommodation Facilities from 1 to 10 stories
- Truss production
- Large span floor joist production
- Commercial and Industrial Construction

PinnacleFRAMER X6 System – Specifications:

SYSTEM FEATURES

Country of Origin	Product of USA, Assembled in Taiwan
Production Speed (Output)	450 – 900m/hr High Speed for high volume operation
Profile length and Punching Accuracy	100% Accuracy in assembling Wall panels and Trusses.
Pre-punched holes for Fastening	For quick, easy and accurate assembly.
Dimpled holes	For smooth surface
Punched web holes	Studs pass through horizontally.
Standard 50mm service holes and large lipped 170mm service hole	For electrical, plumbing and other utility pipes. Spacing according to design requirement
Notched lips	For easy fixing of studs
Swaged ends	For precise fixing of studs
End Chamfer	For precise and quick fixing of studs for truss assembly
Each section labeled	Quick and easy assembling with Accuracy.

PROFILES

Standard / Boxable C Section	
U Section	
Number of Web Size Tool Sets	6 sets (89mm, 140mm, 200mm, 250mm, 300mm, 350mm) Any additional web size tools can be ordered.
Profile Web Size (Automatic Adjustment)	Any C or U profile web size between 89mm to 350mm
Flange Size (Automatic Adjustment)	From 41mm – 75mm
Lip	15mm

CNC MACHINE SPECIFICATIONS

Model	PinnacleFRAMER X6
Country of Origin	Product of USA, Assembled in Taiwan
Design Software Options	PinnacleCAD (for 3D Modeling, Detailing, Structural Calculations)
Number of Web Size Tool Sets	6 sets (89mm,140mm, 200mm, 250mm, 300mm, 350mm) Any additional web size tools set can be ordered.
Profile Web Size Capable	Unlimited to produce any profile web size between 89mm to 350mm (Automatic Adjustment).
Gauge Range	0.7mm – 3.0mm (24g – 12g)
Gauge Adjustment	Semi Automatic Metric Dial
Roll forming Stations	Thirteen
Frame & Truss Tooling Punches	Eight
Normal Production Speed (Output) Depend on design.	480-950m/hr
Line Speed Standard C or U sections	Up to 3000m/hr
Length	10080mm
Width	1730mm
Height	1660mm
Net Weight (Approx)	10500 kg
Main Power Supply / Consumption	380 VAC / 70 KVA
Main Drive Power	20 HP
Hydraulic Power	15 HP
Printer	Inkjet Printer fully integrated
Controller	Windows Based PC Control
Powered De-coiler Capacity	5000 kg