arkitech

Innovative Automated Manufacturing Solution
for Light Gauge Steel / Cold Formed Steel Construction

Arkitech Framer
AF1600P
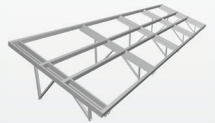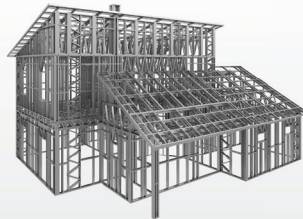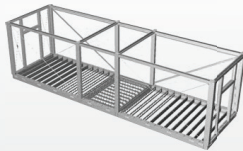## Technology Package

De-coiler DC2500

Applications

Residential Buildings, Prefabricated Offices, Bathroom Pods, Multi-Storey Buildings, Commercial Buildings, Industrial Buildings
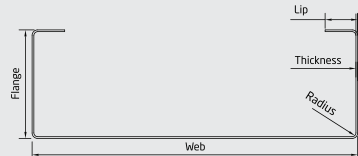
Technology Package

- Arkitech Design and Detailing Software
- Arkitech Framer Software
- Arkitech Framer AF1600P
- De-coiler DC2500
- 1 Spare Part Kit, 1 Pack of Consumable Parts, 1 Pack of Adjustment Tools
- Commissioning and Training for the AF1600P Framer
- Training for Arkitech Design and Detailing Software
- Software and Framer Technical Support

PROFILE SPECIFICATIONS

• Number of Web Sizes	Single Size
• Profile sections	U, C
• Web Size Range	63mm - 150mm (2½" - 6.0")
• Standard Web Sizes	63mm | 75mm | 90mm | 100mm | 140mm | 150mm
	2½" | 3.0" | 3½" | 4.0" | 5½" | 6.0"
• Profile Thickness Range	0.75mm - 1.6mm (22ga - 16ga)
• Flange Heights	41mm - 51mm (1⅝" - 2.0")
• Profile Lip	Up to - 16mm (Up to - 5/8")
• Steel Grade	S220 - S550
• Galvanization	Z180 - Z450
• Profile Operations	8 (2 free bays for additional stations)

FRAMER SPECIFICATIONS

• Line Speed	200m/h (11 ft/min) – 700m/h (38 ft/min), maximum 3000 m/h (164 ft/min)
• Printer	Double Head Printer
• Servo Drive Power	15kW
• Hydraulic Power	11kW
• Hydraulic Tank	80L. (21.2 gal)
• Ambient Temperature	5℃ - 35℃ (41°F - 95°F)
• Control Monitor	19"
• Length	4,816mm (15' 10")
• Width	1,100mm (3' 8")
• Height	1,667mm (5' 6")
• Appr. Weight	3,500kg (7,700lb)
• Power	3 x 400V – 50 Hz. Maximum 30 kW
• Connectivity	WiFi, W-Lan

DECOILER SPECIFICATIONS

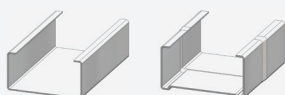|	
• Decoiler Capacity	2.5 ton (5,500lb)
• Length	1,260mm (4' 2")
• Width	1,465mm (5' 3")
• Height	1,180mm (8' 1")
• Maximum Coil Width	400mm (1' 4")
• Maximum Coil Diameter	1,800mm (5' 11")
• Appr. Weight	570kg (1,260lb)

FRAMER COMMISSIONING, TRAINING, SUPPORT

• Framer Technical Support	24 months after commissioning

- Manufacturing speed is subjected to change due to the count of operations on the frame.
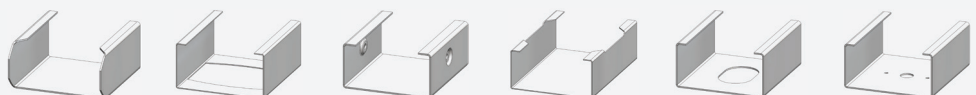- Framer dimensions are subjected to change due to design configuration.

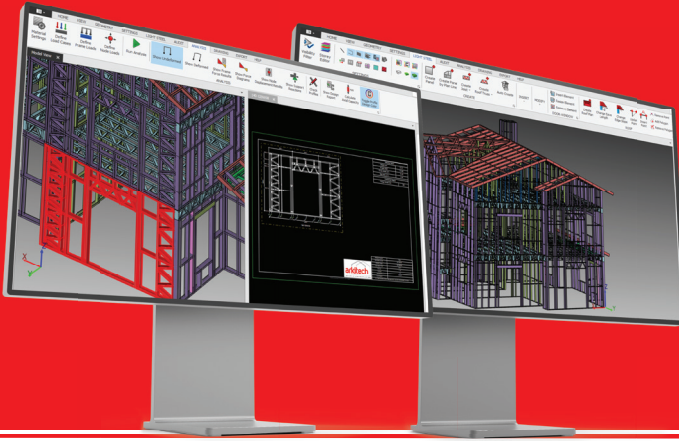| Post Punch Operations		Pre Punch Operations					
Cut	Swage	Chamfer	Notch	Dimpled Screw/Rivet	Lip Cut	Elliptical Service Hole	Web + Index Hole (2)

Best user-friendly Design Software for Light Gauge Steel / Cold Formed Steel Structures

Software Solutions

Design Software
Arkitech Design Software

Manufacturing Software
Arkitech Framer Software

- LGS building design and detailing
- Import of DXF files
- Integration of Hot Steel and concrete elements
- Individual settings as default
- 2D and 3D assisting tools
- Libraries for profiles, frames and steel materials
- Feasibility check function
- Drafting of labelled assembly drawings
- Analysis tool for Eurocode 3 and AISI
- Export of S2K files for comprehensive static analysis
- Export of Bill of Material of XLS or PDF files
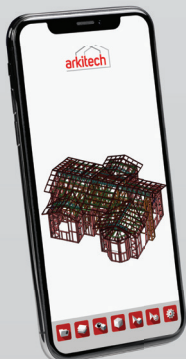- Export of IFC files for BIM software
- Export of ARK files for production with Arkitech Framer

- Framer Software: Arkitech Framer Software
- Compatibility with Arkitech ARK and CSV Files
- Operation of Arkitech LGS Manufacturing System
- Various possibilities for production of profiles
- Automatic creation of manufacturing files
- Activation of complete manufacturing processes
- Option for manufacturing of individual profiles
- Remote Failure Analysis
- Real Time Production Report
- Report production output in real time
- All production figures for production planning
- Option for online remote access
- Option for online failure analysis

• Software Support	12 months after software training

• Software Support	12 months after software training

Arkitech
Mobile Viewer App

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Advanced Construction Technologies

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