



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

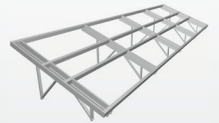
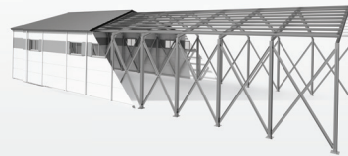
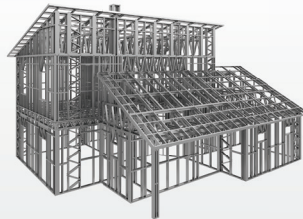
Arkitech Framers

## MF2500P Technology Package

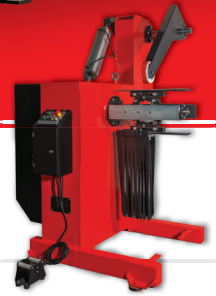


## Applications

Residential Buildings, Modular Construction, Multi-Storey Buildings, Bathroom Pods, Commercial Buildings, Industrial Buildings, Solar Panel Racks



De-coiler DC4000

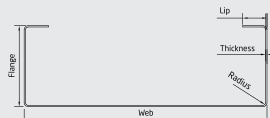


## Technology Package

- Arkitech Design and Detailing Software
- Arkitech Framers Software
- Arkitech Framers MF2500P
- De-coiler DC4000
- 1 Spare Part Kit, 1 Pack of Consumable Parts, 1 Pack of Adjustment Tools
- Commissioning and Training for the MF2500P Framers
- Training for Arkitech Design and Detailing Software
- Software and Framers Technical Support

### PROFILE SPECIFICATIONS

- Number of Web Sizes 8 (expandable on request)
- Profile sections U, C
- Web Size Range 63mm - 300mm (2½" - 12.0")
- Standard Web Sizes 63mm | 75mm | 90mm | 100mm | 140mm | 150mm | 200mm | 250mm | 300mm
- Profile Thickness Range 2½" | 3.0" | 3½" | 4.0" | 5½" | 6.0" | 8.0" | 10.0" | 12.0"
- Flange Heights 0.75mm - 2.5mm (22ga - 12ga)
- Profile Lip 41mm - 75mm (1½" - 3.0")
- Steel Grade Up to - 20mm (Up to - 3/4")
- Galvanization S220 - S550
- Profile Operations Z180 - Z450



### 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 22kW
- Hydraulic Power 22kW
- Hydraulic Tank 200 L (52.8 gal)
- Ambient Temperature 5°C - 35°C (41°F - 95°F)
- Control Monitor 19"
- Length 10,300mm (33' 10")
- Width 1,968mm (6' 6")
- Height 2,190mm (7' 3")
- Appr. Weight 22,000 kg (48,500lb)
- Power 3 x 400V - 50 Hz. Maximum 65 kW
- Connectivity WiFi, W-Lan

### DECOILER SPECIFICATIONS

- Decoiler Capacity 4.0 ton (8,800lb)
- Length 1,840mm (6' 1")
- Width 1,597mm (5' 3")
- Height 2,455mm (8' 1")
- Maximum Coil Width 600mm (1' 8")
- Maximum Coil Diameter 1,800mm (5' 11")
- Appr. Weight 1,940kg (4,280lb)

### FRAMER COMMISSIONING, TRAINING, SUPPORT

- Framers Technical Support 24 months after commissioning

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

#### Standalone Operations



Cut



Swaged Service Hole



Chamfer



Elliptical Service Hole



Lip Cut



Dimpled Screw/Rivet



Big Dimpled Screw



Swage



Pre-Cut



Web Hole + Index (2)



Notch



Flange Multi Connection



Bolt Hole



Double Tab

#### Cassette Systems Operations

#### Software Controlled - Auto Adjustable Operations



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

## Software Solutions

### Design Software

Arkitech Design 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 Frammer

• Software Support

12 months after software training



### Manufacturing Software

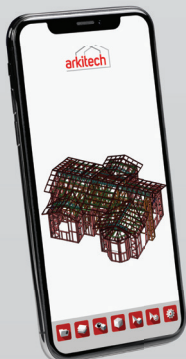
Arkitech Frammer Software



- Frammer Software: Arkitech Frammer 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



**Arkitech  
Mobile Viewer App**

