

FM-1400

Automated Frame Master



The Leggett & Platt Frame Master 1400 is an automatic machine for the production of rectangular frames made from round or flat section steel wire.

The wire is automatically taken from a former of coiled wire, then straightened, cut to length, and formed into a circular loop. The two free ends are then joined together via a clipped connection. The loop is then transferred to the bending station, where four 90-degree bends are added to create a rectangular frame of the required dimensions. During this bending process, a new wire loop is formed and clipped to maximise efficiency.

The finished frame is then ejected in a vertical orientation from the machine and dropped on to the special stacker provided. Existing customers are presently running up to four FM-1400 machines with only one or two operators.

A full operator interface is provided. The dimensions of the finished frame are entered in and the machine software automatically calculates the length of wire required and where to create the bends in the loop to give the correct finished frame. In addition, fine tuning of the wire feed and bending parameters can be made to account for some variations in wire quality.

Once a specification has been entered in, it can be quickly accessed from the memory for future use, thus minimising programming time.

Please contact our sales team at:

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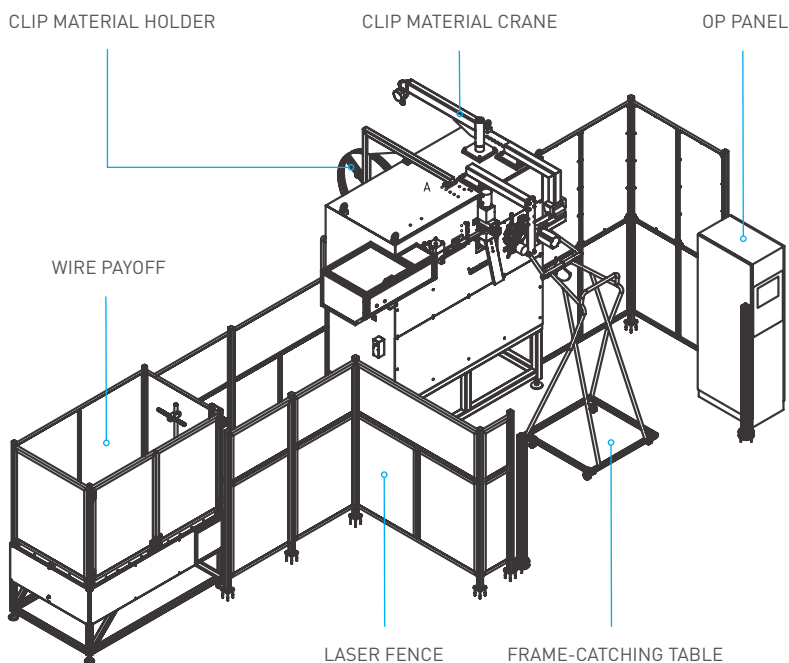
General Specifications:

- Wire Type – round or flat:
Wire diameter from 2.5 mm to 5 mm
- Frame Join Method – clip (round wire weld available on request)
- Production Output – up to 1400 frames per 8-hour shift depending on frame dimensions
- Machine Voltage – to customer specification
- Air Consumption – 20 litres/minute - 6 bar
- Nominal Power – 25 kw

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MACHINE FOOTPRINT: APPROXIMATELY 8.51 X 4.33 M (MAXIMUM HEIGHT – 3.33 M)

FM-1400 Available Options:

Round or flat wire option is to be specified at time of ordering. Retrofit conversion kits available later, if required.

- Additional frame-catching trolleys
- Round wire diameter change-over kits
- Details available on request

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